

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062642.D
 Acq On : 17 May 2019 16:59
 Operator : FY/SY
 Sample : K2851-01
 Misc : 5.90g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-COMP

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\82F051619S.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	1.050	50	52	55	rVB4	13985	24917	3.30%	0.555%
2	1.129	58	60	62	rBV2	19743	31469	4.17%	0.701%
3	1.159	62	63	65	rVV2	9999	12967	1.72%	0.289%
4	1.228	68	70	71	rVV2	12204	15595	2.07%	0.348%
5	1.297	75	77	80	rVB3	9508	17143	2.27%	0.382%
6	1.366	80	84	87	rBV6	13333	37766	5.00%	0.842%
7	1.415	87	89	92	rVV	29010	27106	3.59%	0.604%
8	1.533	99	101	103	rBV3	11359	17641	2.34%	0.393%
9	1.642	110	112	114	rBV3	7798	9250	1.23%	0.206%
10	1.671	114	115	117	rVB2	9811	9228	1.22%	0.206%
11	2.253	172	174	175	rBV2	8267	10897	1.44%	0.243%
12	2.352	181	184	190	rVB3	22081	42176	5.59%	0.940%
13	2.785	226	228	229	rBV2	7199	10099	1.34%	0.225%
14	3.071	256	257	259	rBV2	9519	13242	1.75%	0.295%
15	3.101	259	260	264	rVB2	26617	36505	4.84%	0.814%
16	3.209	270	271	274	rVB3	8969	9111	1.21%	0.203%
17	3.327	281	283	286	rVB2	12077	14285	1.89%	0.318%
18	3.554	305	306	308	rBV2	6986	9237	1.22%	0.206%
19	3.761	325	327	331	rVB5	5914	11007	1.46%	0.245%
20	3.870	337	338	342	rBV4	7201	10054	1.33%	0.224%
21	3.978	347	349	351	rBV3	6973	11109	1.47%	0.248%
22	4.047	354	356	357	rBV2	9017	11924	1.58%	0.266%
23	4.146	365	366	369	rBV3	6835	12274	1.63%	0.274%
24	4.205	369	372	373	rBV3	17287	27040	3.58%	0.603%
25	4.313	378	383	392	rVV	146888	458737	60.78%	10.225%
26	4.678	417	420	423	rVB5	6726	13832	1.83%	0.308%
27	4.727	423	425	427	rBV3	6948	10970	1.45%	0.245%
28	4.836	429	436	440	rVV	34392	90390	11.98%	2.015%
29	4.905	441	443	447	rVV4	5539	9227	1.22%	0.206%
30	5.052	450	458	468	rVB2	227559	754771	100.00%	16.824%
31	5.338	484	487	488	rBV	43965	38514	5.10%	0.858%
32	5.358	488	489	494	rVB4	11129	23071	3.06%	0.514%
33	5.447	494	498	500	rBV5	9172	22814	3.02%	0.509%
34	5.634	511	517	518	rBV6	10149	25696	3.40%	0.573%

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35	5.664	518	520	523	rVB4	5570	9703	1.29%	0.216%
36	5.782	526	532	543	rBV	230335	630026	83.47%	14.043%
37	6.048	555	559	560	rBV4	4696	9538	1.26%	0.213%
38	6.462	599	601	602	rBV	21189	17650	2.34%	0.393%
39	6.620	614	617	620	rVB5	5779	10143	1.34%	0.226%
40	7.103	663	666	670	rBV5	5598	10878	1.44%	0.242%
41	7.201	670	676	677	rBV6	4666	11109	1.47%	0.248%
42	7.714	723	728	733	rBV	133544	318552	42.21%	7.101%
43	7.783	733	735	739	rVB	28046	59631	7.90%	1.329%
44	7.842	739	741	744	rVB4	6667	13887	1.84%	0.310%
45	8.059	759	763	764	rBV4	3459	9133	1.21%	0.204%
46	8.167	771	774	775	rBV3	4713	9646	1.28%	0.215%
47	8.315	785	789	794	rBV8	8976	25007	3.31%	0.557%
48	8.424	796	800	802	rVB5	5067	12226	1.62%	0.273%
49	8.532	807	811	812	rBV4	5162	10102	1.34%	0.225%
50	8.759	831	834	835	rBV3	8215	13542	1.79%	0.302%
51	8.788	835	837	838	rVB2	10868	11630	1.54%	0.259%
52	9.015	859	860	866	rBV2	11060	17859	2.37%	0.398%
53	9.094	866	868	870	rBV3	6018	10930	1.45%	0.244%
54	9.193	875	878	880	rVV	17951	29911	3.96%	0.667%
55	9.232	880	882	886	rVV5	6278	12993	1.72%	0.290%
56	9.331	890	892	895	rBV3	5136	10735	1.42%	0.239%
57	9.380	895	897	899	rVV3	8834	14482	1.92%	0.323%
58	9.419	899	901	903	rVV3	7786	13454	1.78%	0.300%
59	9.636	919	923	926	rVV6	7749	17064	2.26%	0.380%
60	9.764	934	936	940	rVB5	5849	10389	1.38%	0.232%
61	9.912	947	951	958	rVB	106437	249694	33.08%	5.566%
62	10.267	985	987	993	rVB6	13735	27588	3.66%	0.615%
63	10.366	993	997	1001	rBV3	8992	20913	2.77%	0.466%
64	10.612	1020	1022	1023	rBV	6766	10729	1.42%	0.239%
65	10.642	1023	1025	1027	rVB3	6910	9513	1.26%	0.212%
66	10.809	1036	1042	1046	rBV8	9772	34392	4.56%	0.767%
67	10.898	1050	1051	1053	rVV2	10001	10044	1.33%	0.224%
68	10.947	1053	1056	1060	rVB4	20074	39348	5.21%	0.877%
69	11.164	1075	1078	1079	rVB3	7307	11005	1.46%	0.245%
70	11.213	1082	1083	1087	rBV4	7421	12930	1.71%	0.288%
71	11.312	1091	1093	1095	rVV3	10020	11823	1.57%	0.264%

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72	11.499	1108	1112	1115	rBV	34539	60030	7.95%	1.338%
73	11.637	1122	1126	1128	rBV	22123	47095	6.24%	1.050%
74	11.677	1128	1130	1132	rVV3	12508	18079	2.40%	0.403%
75	11.736	1134	1136	1140	rVB5	24846	45575	6.04%	1.016%
76	11.893	1149	1152	1155	rBV5	8626	19032	2.52%	0.424%
77	12.061	1167	1169	1174	rBV6	12325	26488	3.51%	0.590%
78	12.199	1181	1183	1186	rBV4	9203	14851	1.97%	0.331%
79	12.278	1189	1191	1193	rVB3	13206	16197	2.15%	0.361%
80	12.367	1199	1200	1202	rVB2	24939	18698	2.48%	0.417%
81	12.445	1206	1208	1212	rVB4	9645	17049	2.26%	0.380%
82	12.514	1212	1215	1216	rBV3	10236	21011	2.78%	0.468%
83	12.613	1222	1225	1228	rBV	37934	61835	8.19%	1.378%
84	12.899	1252	1254	1259	rVB6	13542	23620	3.13%	0.526%
85	13.017	1264	1266	1268	rBV3	7643	11909	1.58%	0.265%
86	13.273	1289	1292	1293	rBV3	17967	38447	5.09%	0.857%
87	13.480	1310	1313	1314	rBV3	27348	51814	6.86%	1.155%
88	14.121	1377	1378	1381	rBV3	12348	21173	2.81%	0.472%
89	14.368	1399	1403	1405	rBV5	17931	44326	5.87%	0.988%
90	14.496	1414	1416	1419	rVB	20409	24512	3.25%	0.546%
91	14.644	1428	1431	1438	rVB2	23299	55563	7.36%	1.238%
92	14.722	1438	1439	1443	rBV4	7009	11952	1.58%	0.266%
93	15.146	1480	1482	1486	rVB5	12007	22077	2.92%	0.492%
94	15.205	1486	1488	1489	rBV2	8125	9595	1.27%	0.214%
95	15.314	1497	1499	1506	rVB3	28007	55684	7.38%	1.241%
96	15.442	1510	1512	1518	rVB4	22132	41106	5.45%	0.916%
97	15.511	1518	1519	1523	rBV4	6668	11267	1.49%	0.251%
98	15.807	1547	1549	1551	rVV3	6684	10953	1.45%	0.244%
99	15.846	1551	1553	1555	rVB3	5453	9253	1.23%	0.206%
100	16.033	1569	1572	1576	rVB2	18739	38866	5.15%	0.866%

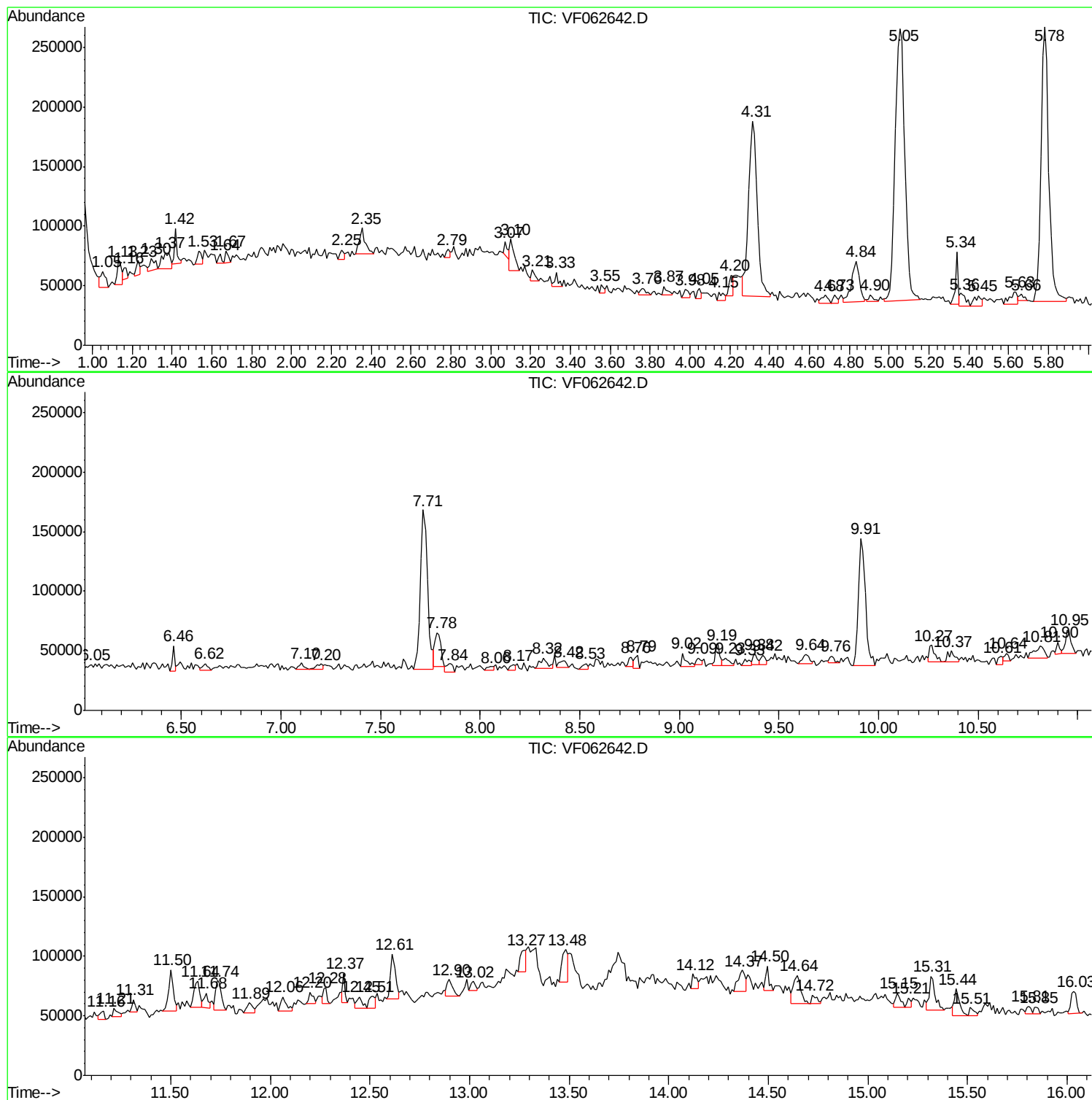
Sum of corrected areas: 4486320

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



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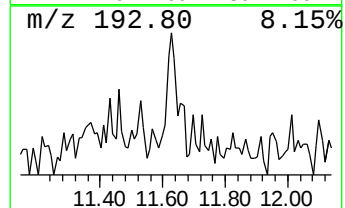
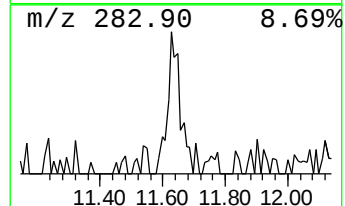
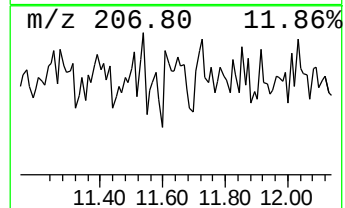
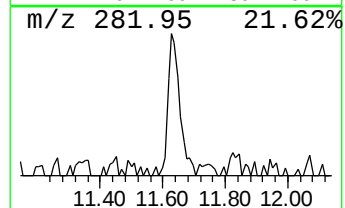
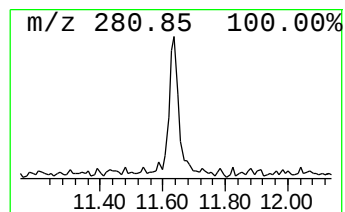
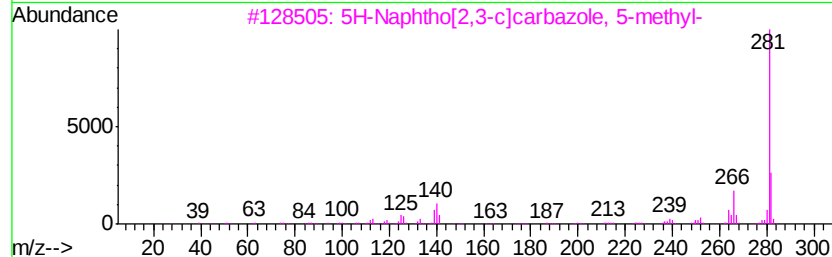
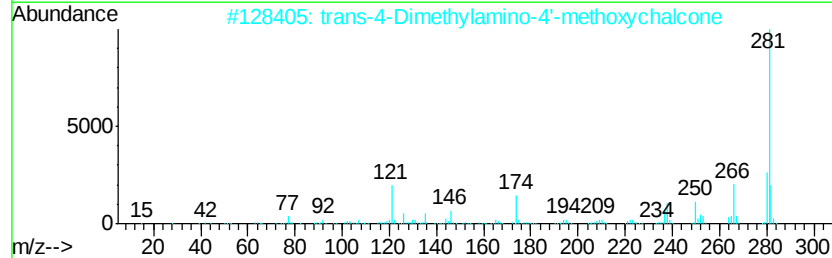
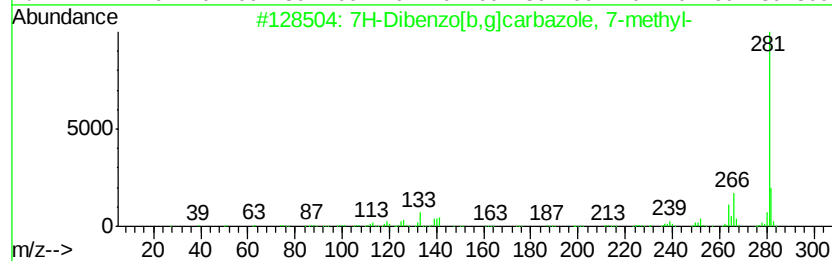
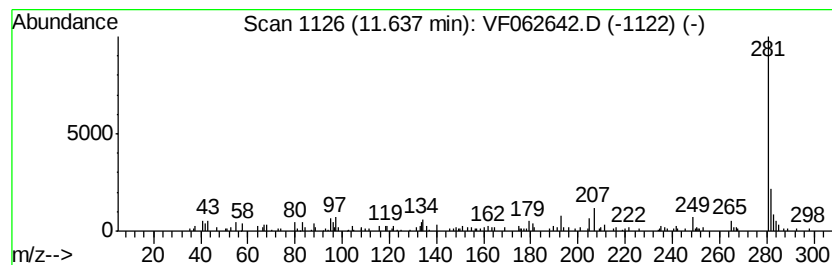
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 1 7H-Dibenzo[b,g]carbazole, 7... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	38.08 ug/l	47095	1,4-Dichlorobenzene-d4	12.61

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	72
2		trans-4-Dimethylamino-4'-methoxy...	281	C18H19NO2	052119-37-6	64
3		5H-Naphtho[2,3-c]carbazole, 5-me...	281	C21H15N	100025-44-3	64
4		6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11N02S	001225-11-2	64
5		Benzene, 1-phenyl-4-(2-cyano-2-p...	281	C21H15N	027869-56-3	64



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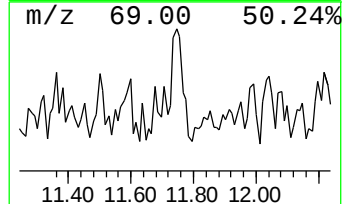
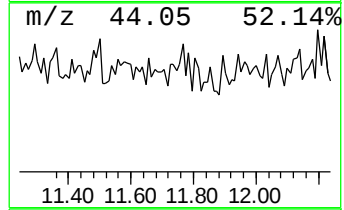
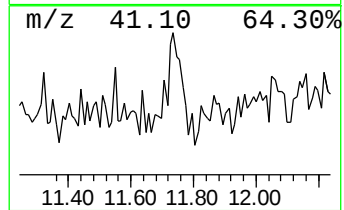
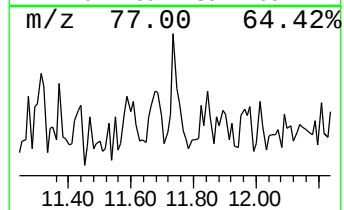
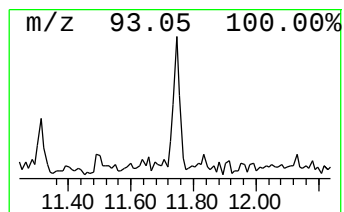
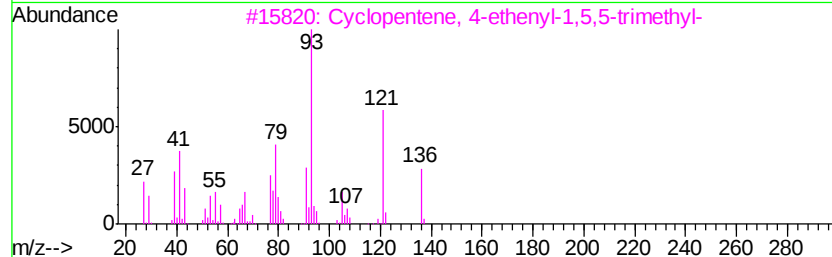
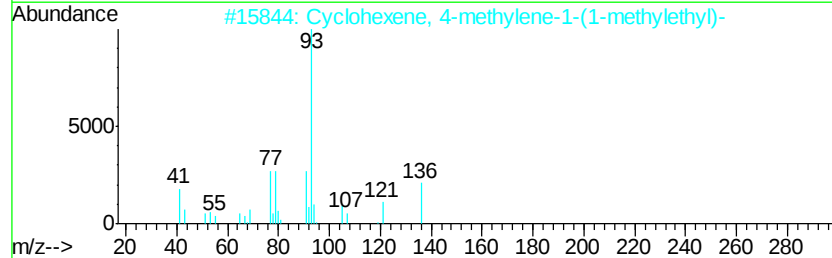
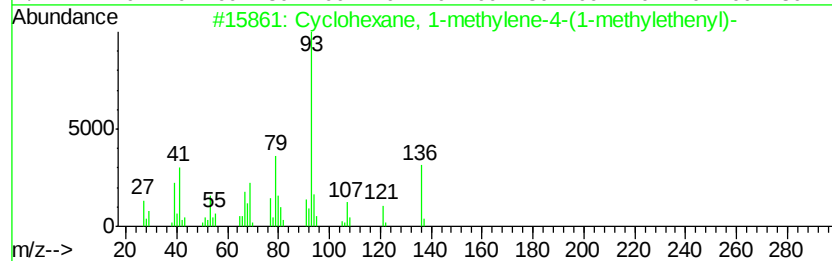
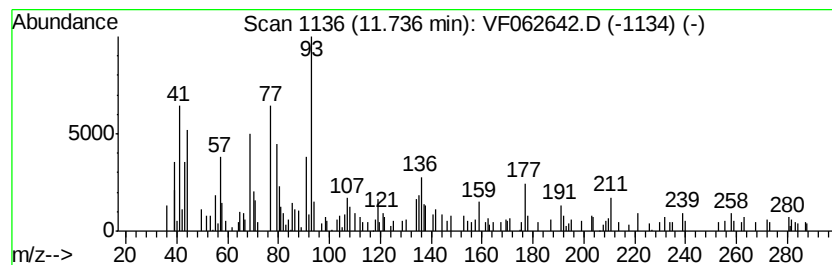
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-methylene-4-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	36.85 ug/l	45575	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	53
2		Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	52
3		Cyclopentene, 4-ethenyl-1,5,5-tr...	136	C10H16	001727-69-1	49
4		.alpha.-Farnesene	204	C15H24	000502-61-4	43
5		3-Octen-5-yne, 2,7-dimethyl-, (Z)-	136	C10H16	028935-76-4	43



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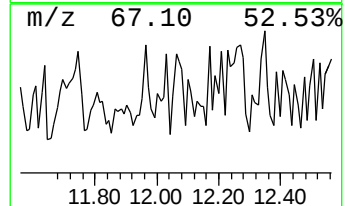
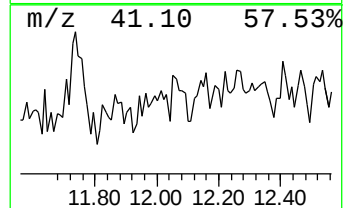
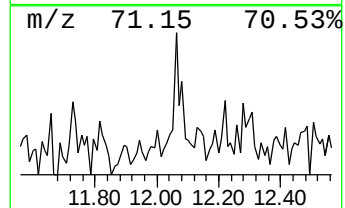
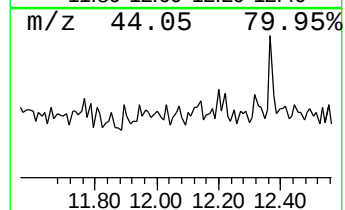
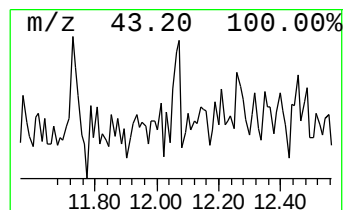
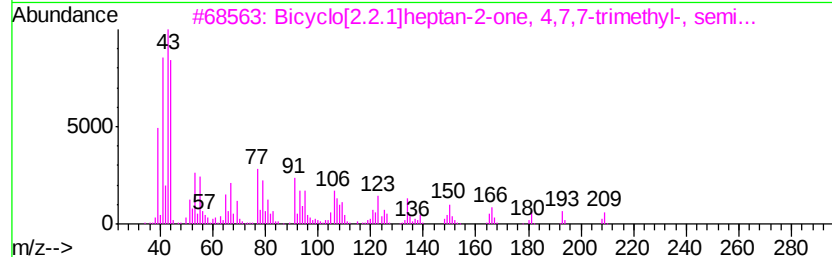
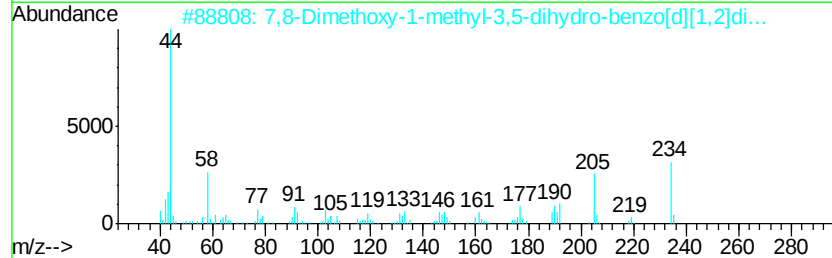
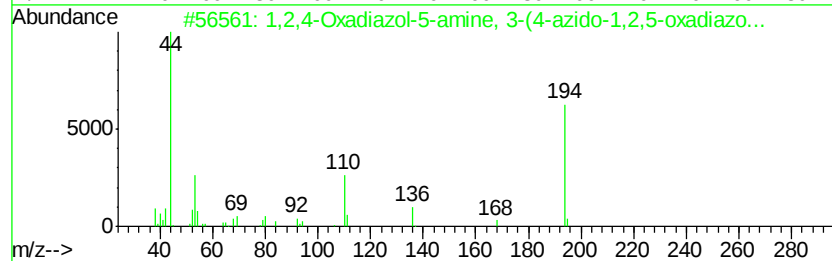
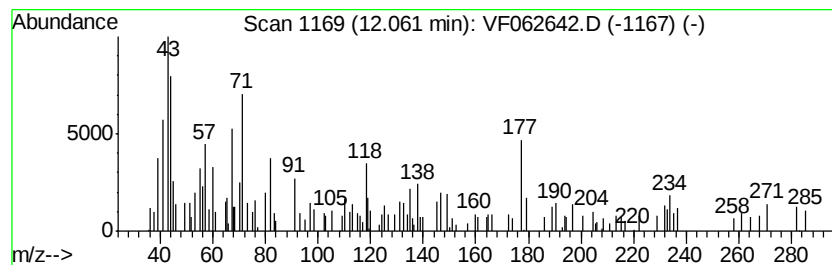
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Peak Number 3 unknown12.06 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	21.42 ug/l	26488	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4-Oxadiazol-5-amine, 3-(4-az...	194	C4H2N8O2	1000277-19-2	35
2		7,8-Dimethoxy-1-methyl-3,5-dihyd...	234	C12H14N2O3	1000296-23-5	32
3		Bicyclo[2.2.1]heptan-2-one, 4,7,...	209	C11H19N3O	024230-79-3	27
4		3,3-Dimethylpiperidine	113	C7H15N	001193-12-0	27
5		1,2,4-Thiadiazole, 3,5-bis(carba...	264	C6H8N4O2S3	1000294-69-2	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90µ/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

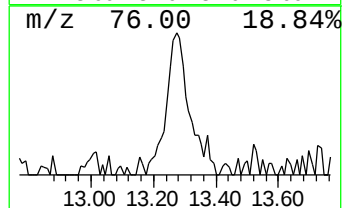
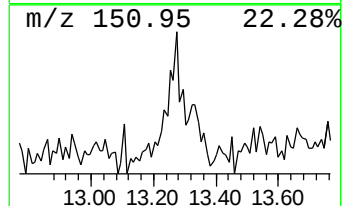
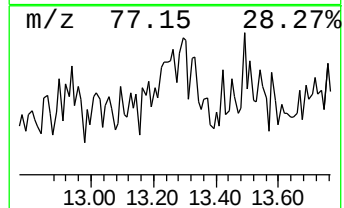
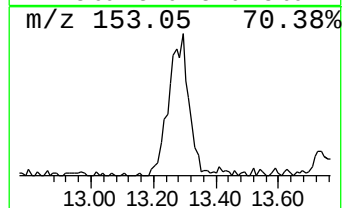
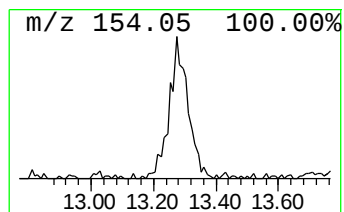
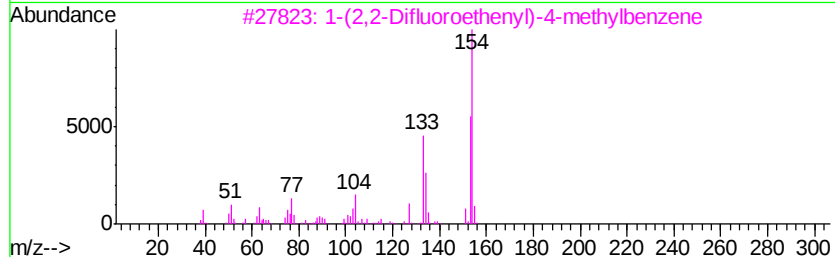
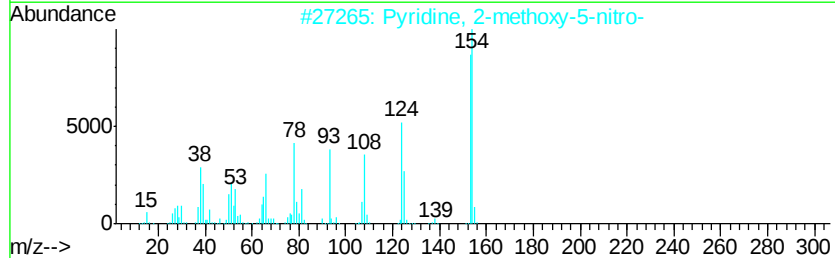
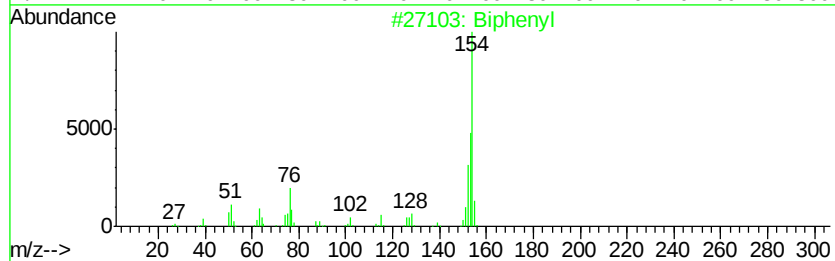
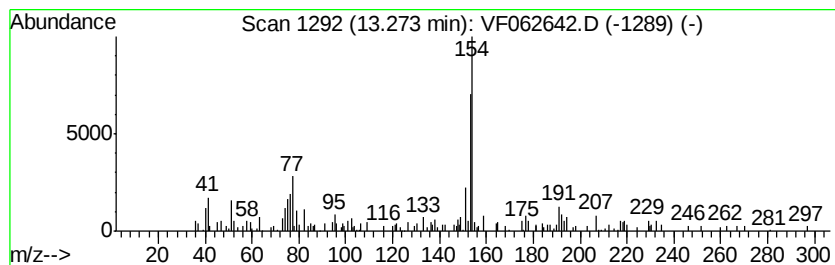
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Quant Title : SW846 8260

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

Peak Number 4 Biphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	31.09 ug/l	38447	1,4-Dichlorobenzene-d4	12.61

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl		154	C12H10	000092-52-4	53
2	Pyridine, 2-methoxy-5-nitro-		154	C6H6N2O3	005446-92-4	50
3	1-(2,2-Difluoroethenyl)-4-methyl...		154	C9H8F2	1000305-64-2	42
4	Acenaphthene		154	C12H10	000083-32-9	42
5	Naphthalene, 2-ethenyl-		154	C12H10	000827-54-3	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90q/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

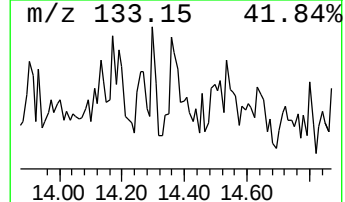
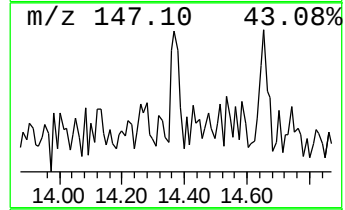
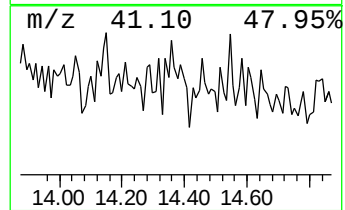
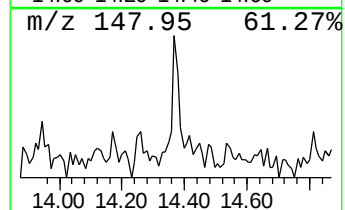
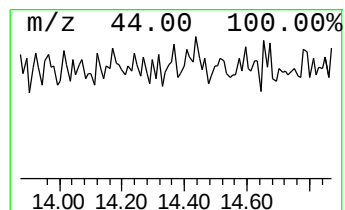
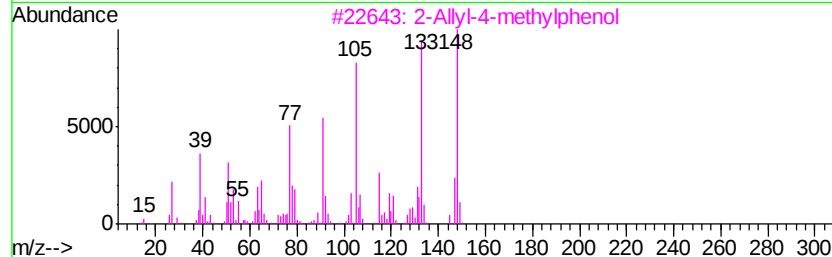
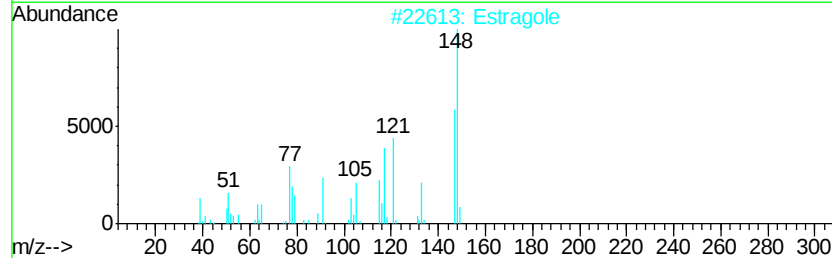
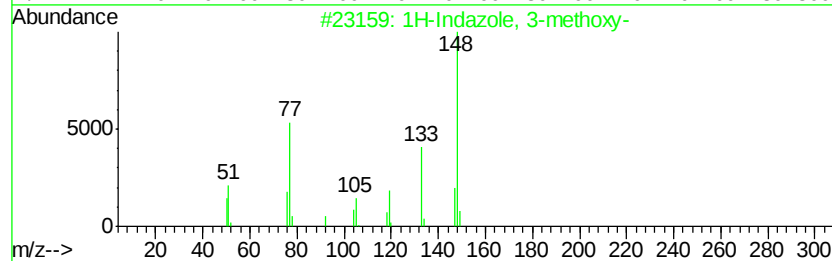
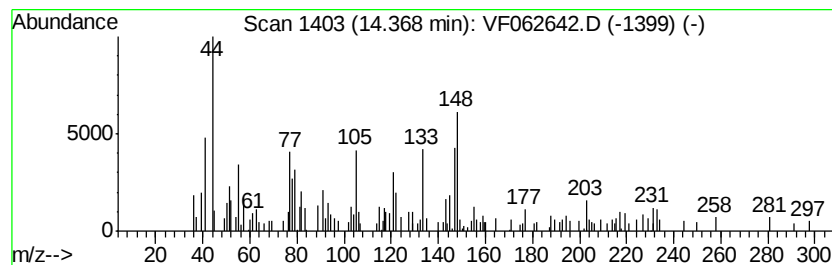
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Quant Title : SW846 8260

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

Peak Number 6 unknown14.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	35.84 ug/l	44326	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indazole, 3-methoxy-	148	C8H8N2O	001848-41-5	43
2		Estragole	148	C10H12O	000140-67-0	30
3		2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	30
4		2H-Benzimidazol-2-one, 1,3-dihyd...	148	C8H8N2O	005400-75-9	27
5		Piperidin-4-ol, 1,3,3-trimethyl-...	219	C14H21NO	018436-89-0	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90q/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

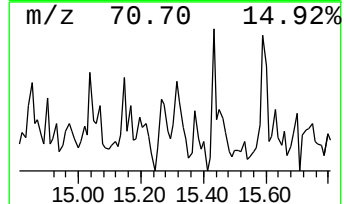
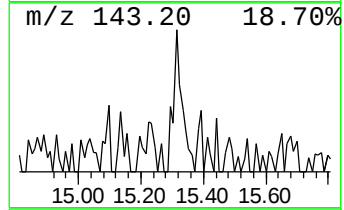
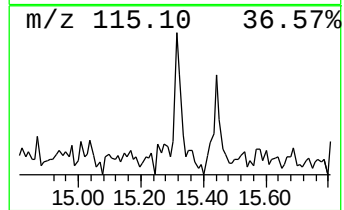
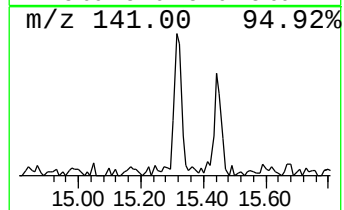
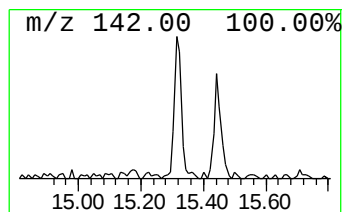
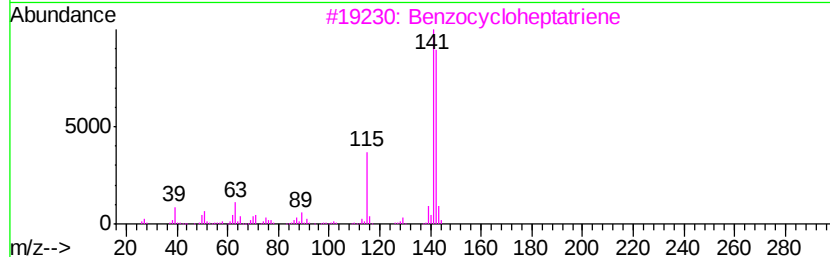
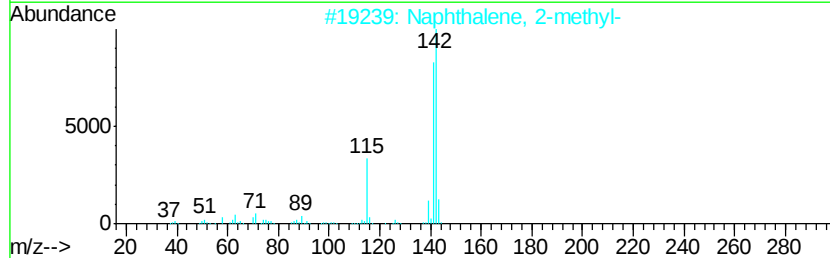
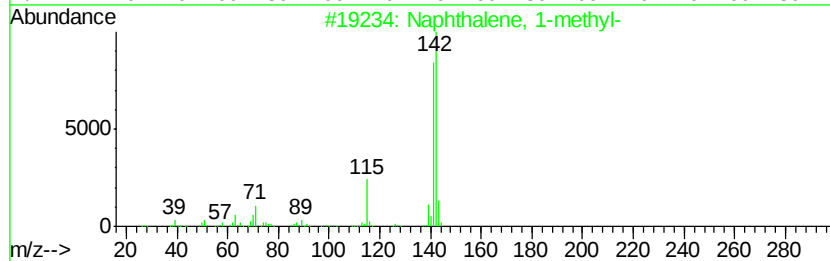
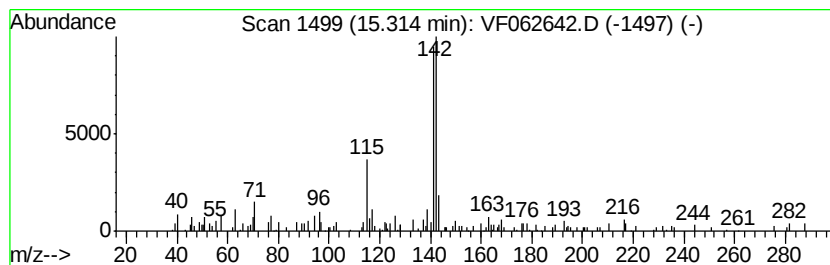
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	45.03 ug/l	55684	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	74
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	74
3		Benzocycloheptatriene	142	C11H10	000264-09-5	74
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	72
5		1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90µ/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

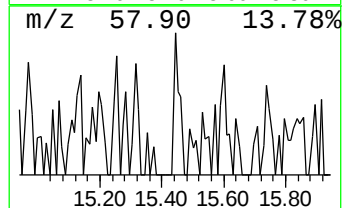
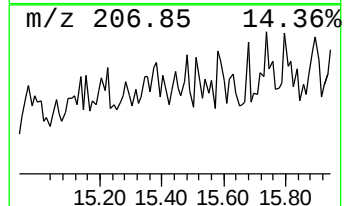
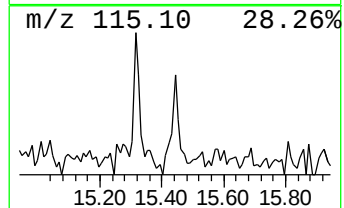
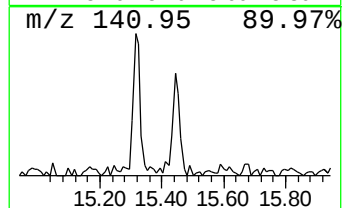
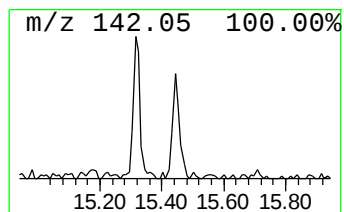
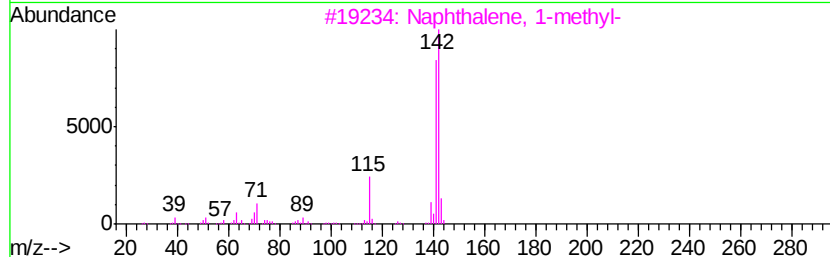
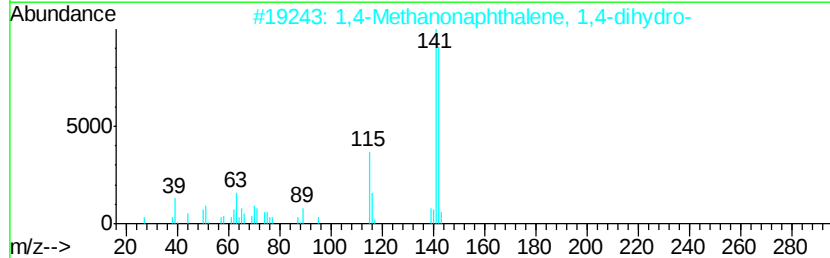
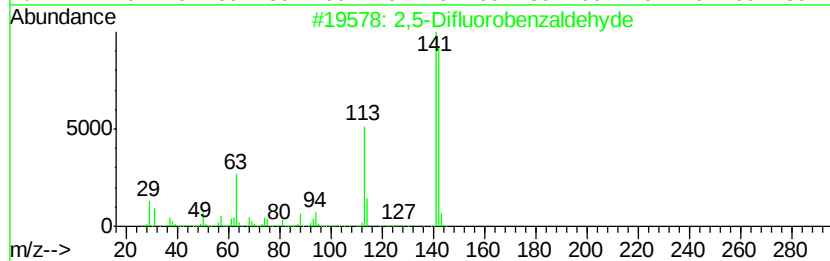
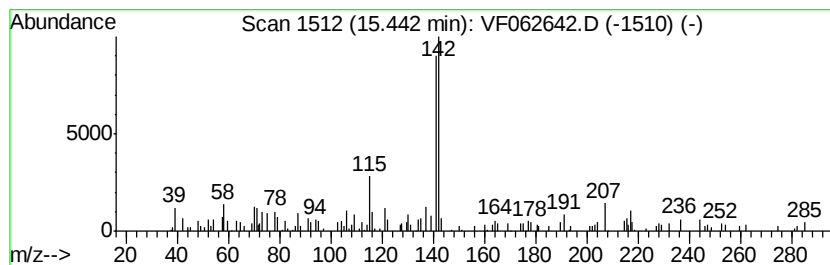
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Quant Title : SW846 8260

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

Peak Number 9 2,5-Difluorobenzaldehyde Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	33.24 ug/l	41106	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Difluorobenzaldehyde	142	C7H4F2O	002646-90-4	64
2		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	59
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	59
4		Benzocycloheptatriene	142	C11H10	000264-09-5	45
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90a/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-COMP

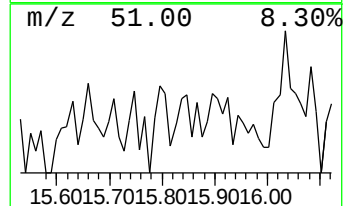
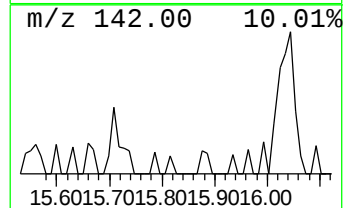
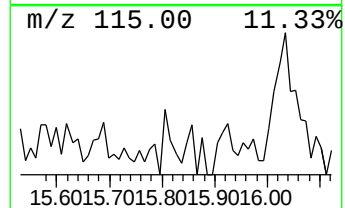
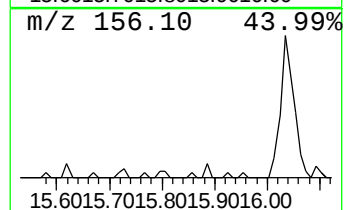
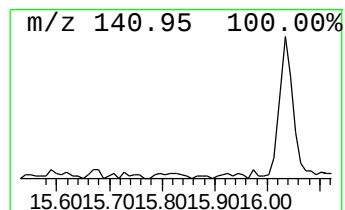
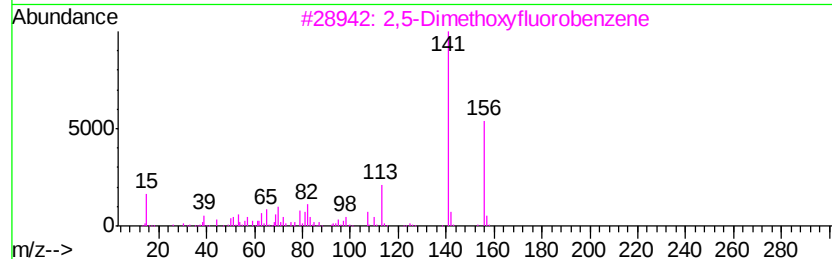
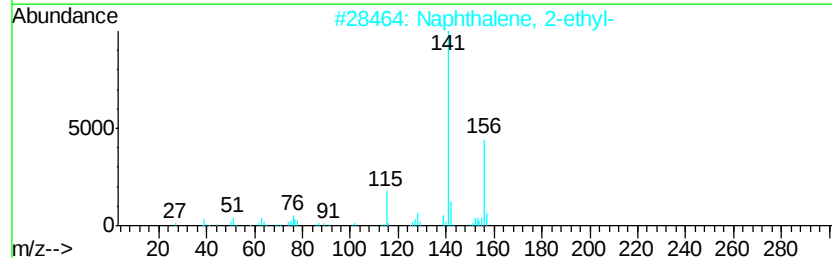
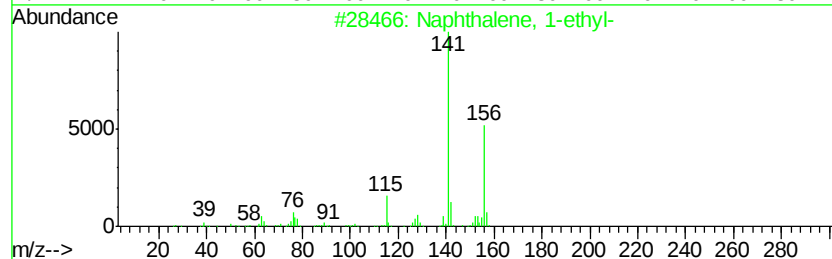
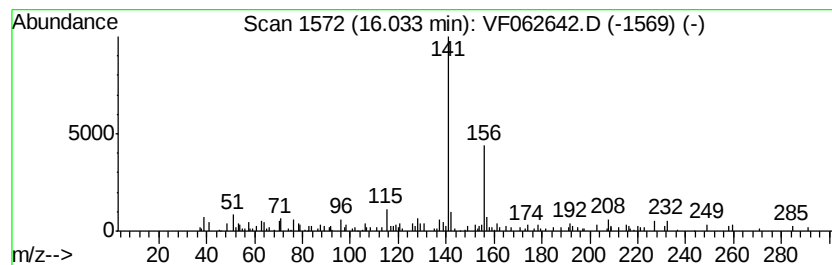
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	31.43 ug/l	38866	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	76
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	76
3		2,5-Dimethoxyfluorobenzene	156	C8H9F02	082830-49-7	59
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5		Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051719\
Data File : VF062642.D
Acq On : 17 May 2019 16:59
Operator : FY/SY
Sample : K2851-01
Misc : 5.90g/5mL/MSVOA_F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.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
7H-Dibenzo[b,g]ca...	11.64	38.1	ug/l	47095	4	12.61	61835	50.0
Cyclohexane, 1-me...	11.74	36.9	ug/l	45575	4	12.61	61835	50.0
unknown12.06	12.06	21.4	ug/l	26488	4	12.61	61835	50.0
Biphenyl	13.27	31.1	ug/l	38447	4	12.61	61835	50.0
unknown13.48	13.48	41.9	ug/l	51814	4	12.61	61835	50.0
unknown14.37	14.37	35.8	ug/l	44326	4	12.61	61835	50.0
Naphthalene, 1-me...	15.31	45.0	ug/l	55684	4	12.61	61835	50.0
2,5-Difluorobenza...	15.44	33.2	ug/l	41106	4	12.61	61835	50.0
Naphthalene, 1-et...	16.03	31.4	ug/l	38866	4	12.61	61835	50.0