

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060756.D
 Acq On : 15 Nov 2018 19:43
 Operator : VA/AP
 Sample : J5911-02
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FDSB-09(16-18)

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\82F111318S.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	2.235	159	163	170	rVV4	15606	54616	5.36%	0.310%
2	3.862	321	328	335	rBV	12214	36257	3.56%	0.206%
3	4.010	338	343	347	rVV	9798	29793	2.92%	0.169%
4	4.109	347	353	364	rVB	91773	285304	27.98%	1.618%
5	4.859	421	429	442	rBV2	237667	834289	81.81%	4.730%
6	5.598	497	504	514	rVV	280106	746399	73.20%	4.232%
7	6.595	599	605	608	rBV2	14359	40787	4.00%	0.231%
8	7.019	643	648	657	rBV5	9116	42073	4.13%	0.239%
9	7.483	690	695	698	rBV2	33305	81260	7.97%	0.461%
10	7.552	698	702	710	rVV	276284	653983	64.13%	3.708%
11	8.282	772	776	780	rVB	27333	62675	6.15%	0.355%
12	8.459	789	794	799	rVB2	29465	70116	6.88%	0.398%
13	8.617	806	810	820	rBV3	19592	64527	6.33%	0.366%
14	8.972	840	846	850	rBV3	36988	106876	10.48%	0.606%
15	9.110	855	860	867	rVB2	80932	211701	20.76%	1.200%
16	9.219	867	871	874	rBV4	15892	36685	3.60%	0.208%
17	9.288	874	878	883	rVB	70958	151337	14.84%	0.858%
18	9.416	888	891	895	rVB5	11092	25766	2.53%	0.146%
19	9.524	898	902	907	rBV6	9515	24853	2.44%	0.141%
20	9.702	910	920	922	rBV6	21130	80863	7.93%	0.458%
21	9.771	922	927	936	rVV	437063	1019728	100.00%	5.781%
22	9.889	936	939	944	rVB3	22386	52119	5.11%	0.295%
23	9.978	944	948	952	rBV3	11307	25888	2.54%	0.147%
24	10.235	968	974	982	rBV6	40981	154201	15.12%	0.874%
25	10.353	982	986	991	rBV2	35932	83296	8.17%	0.472%
26	10.521	996	1003	1006	rBV4	53547	188185	18.45%	1.067%
27	10.669	1014	1018	1026	rBV	237572	523897	51.38%	2.970%
28	10.777	1026	1029	1031	rBV2	22951	42385	4.16%	0.240%
29	10.827	1031	1034	1037	rVB	46464	74631	7.32%	0.423%
30	10.955	1042	1047	1051	rVB5	23792	73900	7.25%	0.419%
31	11.044	1051	1056	1059	rBV3	78894	201447	19.75%	1.142%
32	11.122	1059	1064	1066	rVV2	162091	387346	37.99%	2.196%
33	11.152	1066	1067	1071	rVV	114964	193128	18.94%	1.095%
34	11.231	1072	1075	1076	rVV2	41325	80201	7.86%	0.455%

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35	11.270	1076	1079	1084	rVB	189629	341182	33.46%	1.934%
36	11.409	1089	1093	1099	rBV	287697	594490	58.30%	3.370%
37	11.497	1099	1102	1105	rVV4	36496	73436	7.20%	0.416%
38	11.557	1105	1108	1110	rVV2	171043	281570	27.61%	1.596%
39	11.596	1110	1112	1117	rVV2	88168	215013	21.09%	1.219%
40	11.675	1117	1120	1122	rVV3	28112	52256	5.12%	0.296%
41	11.724	1122	1125	1128	rVV3	46533	94657	9.28%	0.537%
42	11.774	1128	1130	1133	rVV2	44054	61704	6.05%	0.350%
43	11.823	1133	1135	1138	rVB2	40367	57640	5.65%	0.327%
44	11.882	1138	1141	1144	rBV4	31642	52164	5.12%	0.296%
45	11.951	1144	1148	1150	rVV3	60714	129281	12.68%	0.733%
46	11.991	1150	1152	1157	rVB2	197689	384901	37.75%	2.182%
47	12.069	1157	1160	1165	rBV2	43915	88760	8.70%	0.503%
48	12.158	1165	1169	1170	rBV3	75133	149260	14.64%	0.846%
49	12.208	1170	1174	1177	rVV2	197705	404012	39.62%	2.291%
50	12.296	1177	1183	1185	rVV4	69611	175351	17.20%	0.994%
51	12.336	1185	1187	1189	rVV4	23061	39159	3.84%	0.222%
52	12.385	1189	1192	1194	rVV2	78008	130197	12.77%	0.738%
53	12.425	1194	1196	1198	rVV2	67074	120083	11.78%	0.681%
54	12.454	1198	1199	1205	rVV3	90221	173523	17.02%	0.984%
55	12.553	1205	1209	1212	rVV	620136	984933	96.59%	5.584%
56	12.602	1212	1214	1218	rVB2	123940	183046	17.95%	1.038%
57	12.681	1218	1222	1224	rBV4	20009	47183	4.63%	0.268%
58	12.740	1224	1228	1230	rVV3	85028	211066	20.70%	1.197%
59	12.790	1230	1233	1236	rVV2	69114	172615	16.93%	0.979%
60	12.839	1236	1238	1242	rVB2	91778	164962	16.18%	0.935%
61	12.938	1245	1248	1253	rBV5	46953	102951	10.10%	0.584%
62	13.007	1253	1255	1259	rVB2	47850	95484	9.36%	0.541%
63	13.076	1259	1262	1264	rBV	60233	93632	9.18%	0.531%
64	13.115	1264	1266	1268	rVV2	35699	49898	4.89%	0.283%
65	13.155	1268	1270	1272	rVV	197455	257158	25.22%	1.458%
66	13.224	1275	1277	1282	rVV2	107141	211088	20.70%	1.197%
67	13.293	1282	1284	1287	rVV2	66576	107693	10.56%	0.611%
68	13.342	1287	1289	1291	rVV2	34063	44315	4.35%	0.251%
69	13.381	1291	1293	1295	rVB2	79632	102262	10.03%	0.580%
70	13.421	1295	1297	1302	rBV3	37823	60190	5.90%	0.341%
71	13.500	1302	1305	1307	rVB2	99881	145598	14.28%	0.825%

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72	13.579	1307	1313	1316	rVB5	62279	162651	15.95%	0.922%
73	13.638	1316	1319	1323	rBV	40432	63572	6.23%	0.360%
74	13.707	1323	1326	1329	rBV	144056	217217	21.30%	1.232%
75	13.806	1334	1336	1338	rVV	59231	93792	9.20%	0.532%
76	13.855	1338	1341	1345	rVV3	240193	560804	55.00%	3.179%
77	13.924	1345	1348	1350	rVV2	71704	127937	12.55%	0.725%
78	13.963	1350	1352	1355	rVV2	28678	47072	4.62%	0.267%
79	14.082	1358	1364	1367	rBV	114521	237329	23.27%	1.346%
80	14.151	1367	1371	1375	rVV4	125555	353111	34.63%	2.002%
81	14.220	1375	1378	1384	rVV2	127344	265937	26.08%	1.508%
82	14.299	1384	1386	1389	rVV2	63617	93426	9.16%	0.530%
83	14.358	1390	1392	1396	rVV3	32525	44183	4.33%	0.250%
84	14.427	1396	1399	1400	rVV2	25228	35551	3.49%	0.202%
85	14.457	1400	1402	1404	rVV2	48796	81882	8.03%	0.464%
86	14.496	1404	1406	1409	rVV3	45343	89255	8.75%	0.506%
87	14.545	1409	1411	1414	rVV	174571	262218	25.71%	1.487%
88	14.595	1414	1416	1423	rVB2	44856	88242	8.65%	0.500%
89	14.743	1427	1431	1434	rVB2	62593	101044	9.91%	0.573%
90	14.822	1436	1439	1441	rBV4	16983	34018	3.34%	0.193%
91	14.871	1441	1444	1450	rVB4	45391	117713	11.54%	0.667%
92	14.950	1450	1452	1454	rVB3	18999	25264	2.48%	0.143%
93	15.019	1454	1459	1462	rBV2	47278	105865	10.38%	0.600%
94	15.167	1471	1474	1477	rBV4	29097	58119	5.70%	0.330%
95	15.285	1482	1486	1489	rBV	351050	541026	53.06%	3.067%
96	15.404	1495	1498	1506	rVB	155551	258716	25.37%	1.467%
97	15.561	1512	1514	1517	rBV	38747	56991	5.59%	0.323%
98	15.818	1537	1540	1542	rVV4	20151	32992	3.24%	0.187%
99	15.847	1542	1543	1544	rVV	41184	25616	2.51%	0.145%
100	15.995	1555	1558	1561	rVB	37491	63353	6.21%	0.359%

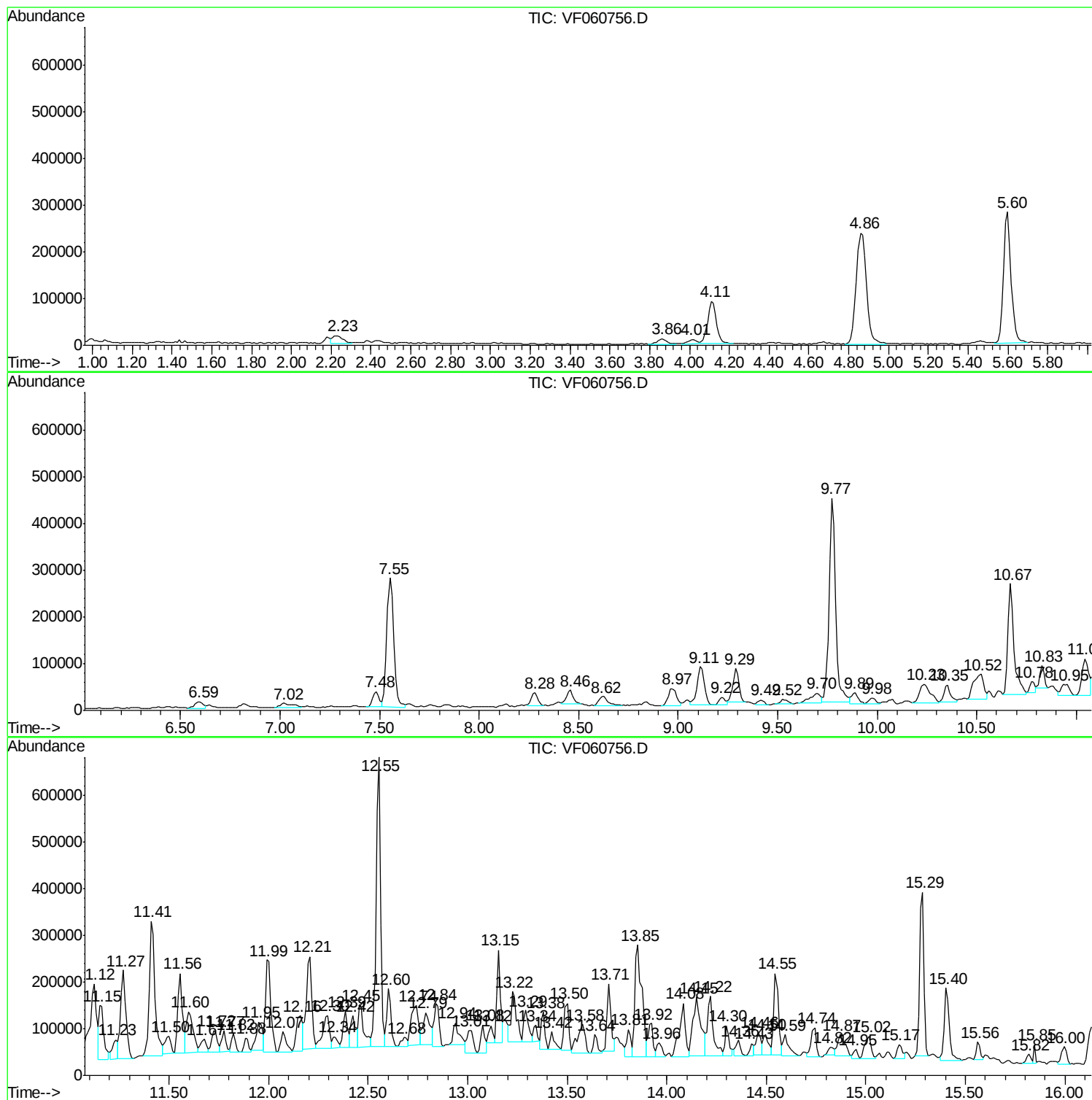
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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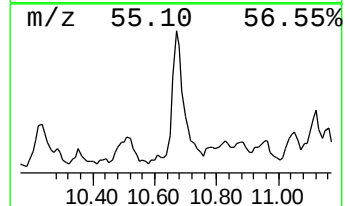
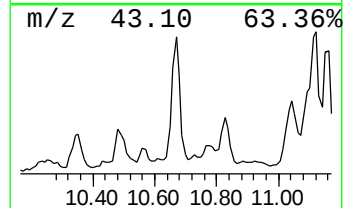
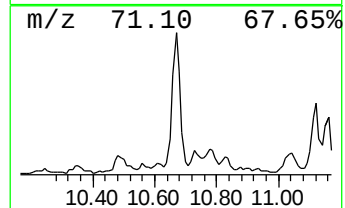
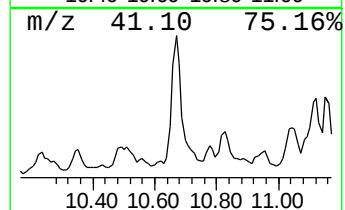
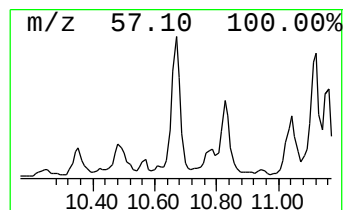
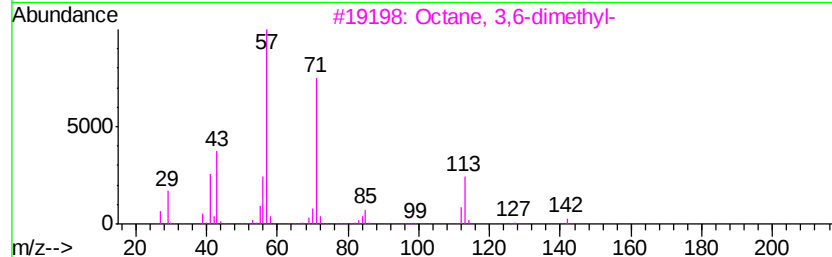
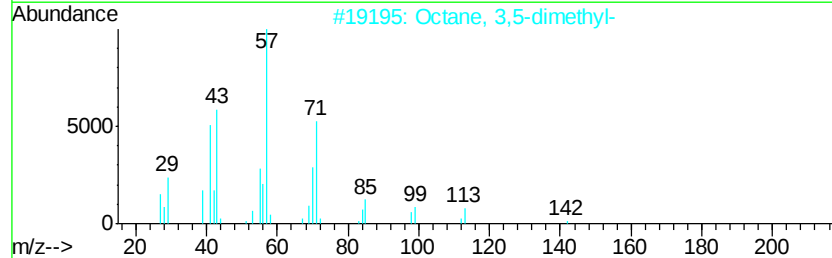
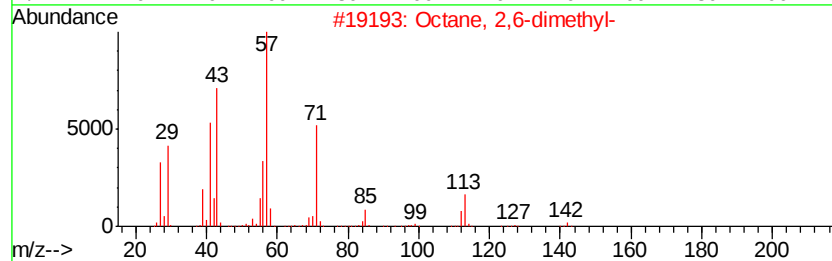
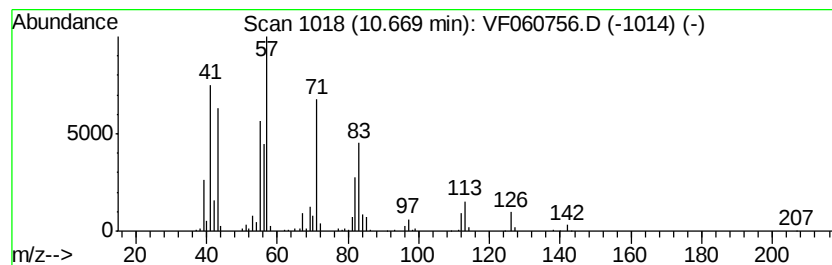
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	25.69 ug/l	523897	Chlorobenzene-d5	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	30
4		Oxirane, pentyl-	114	C7H14O	005063-65-0	30
5		3-Bromooctane	192	C8H17Br	000999-64-4	27



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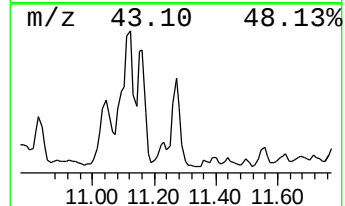
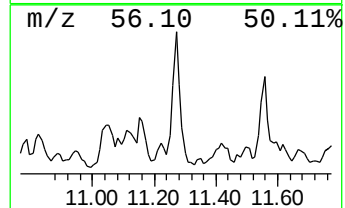
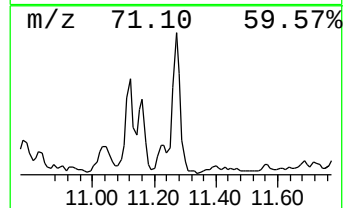
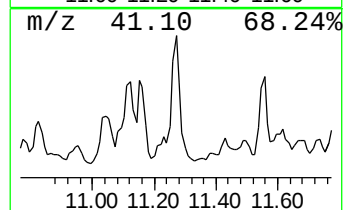
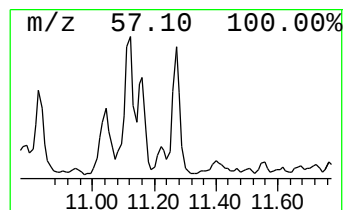
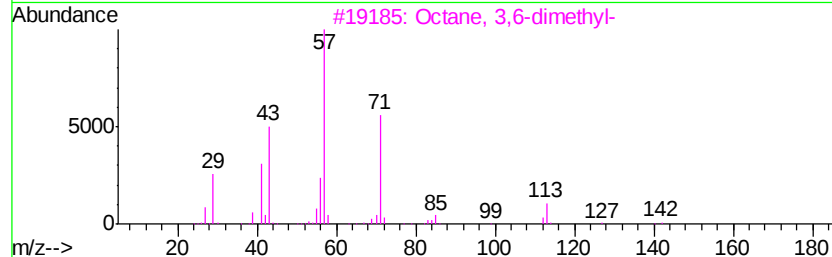
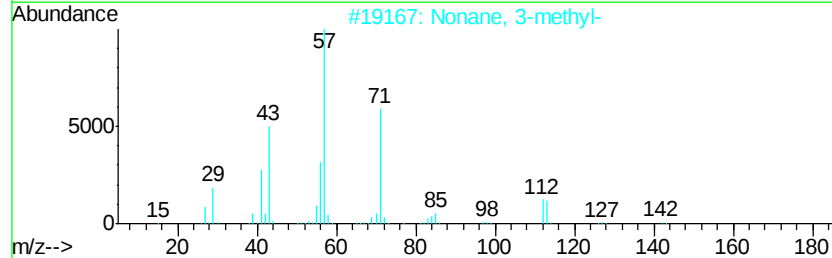
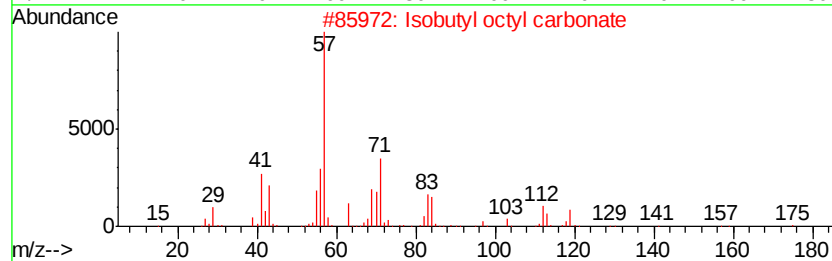
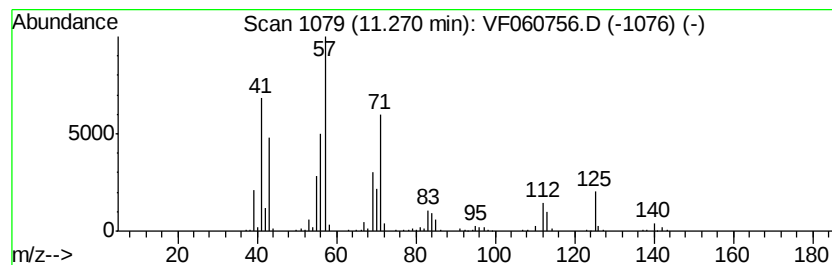
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Peak Number 2 Isobutyl octyl carbonate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	17.32 ug/l	341182	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Isobutyl octyl carbonate	230 C13H26O3	1000372-74-6	53
2	Nonane, 3-methyl-	142 C10H22	005911-04-6	50
3	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	47
4	Decane, 5,6-dipropyl-	226 C16H34	119209-20-0	47
5	2-Ethylhexyl mercaptoacetate	204 C10H20O2S	007659-86-1	47



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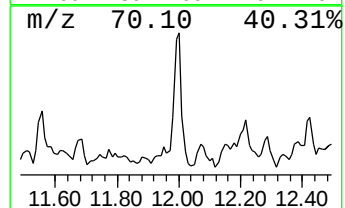
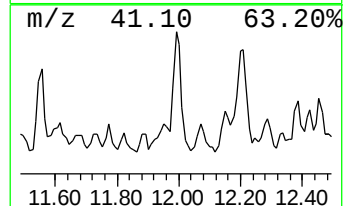
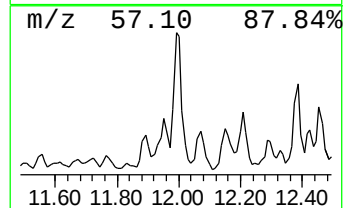
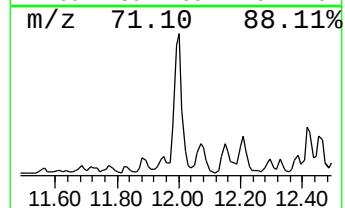
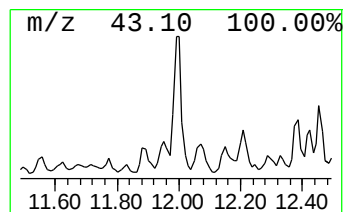
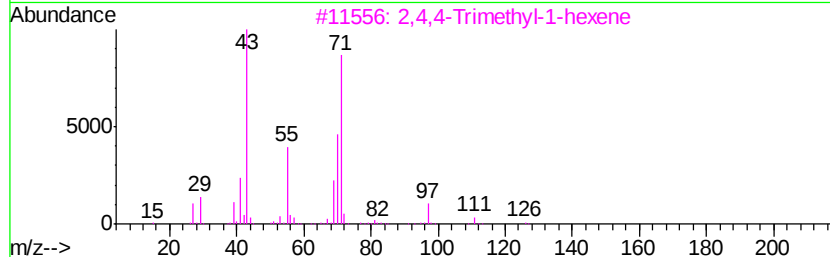
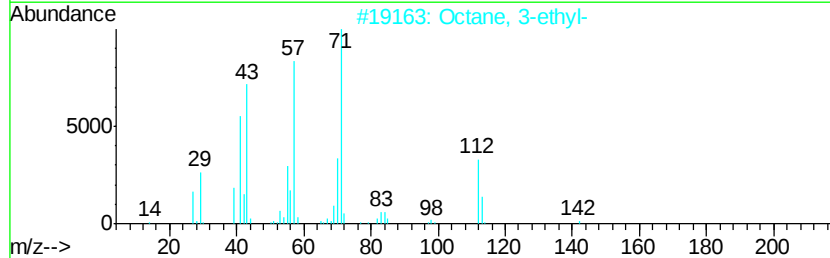
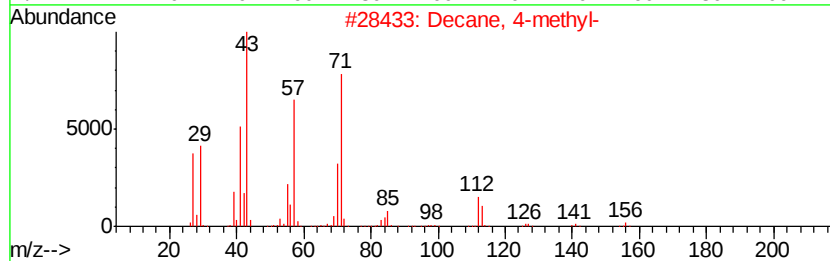
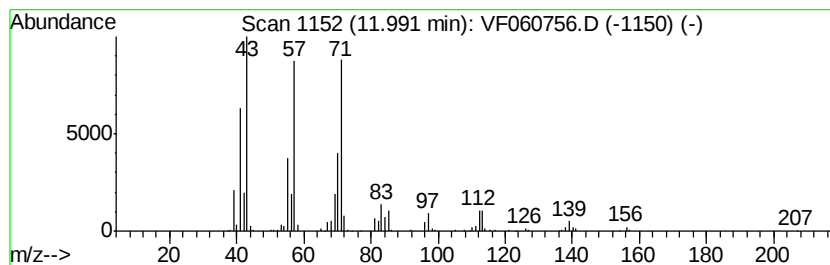
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Peak Number 3 Decane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	19.54 ug/l	384901	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	87
2	Octane, 3-ethyl-	142 C10H22	005881-17-4	64
3	2,4,4-Trimethyl-1-hexene	126 C9H18	051174-12-0	64
4	Nonane, 4-methyl-5-propyl-	184 C13H28	062185-55-1	59
5	4-Methyl-3-heptanol, trifluoroac...	226 C10H17F3O2	1000365-51-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

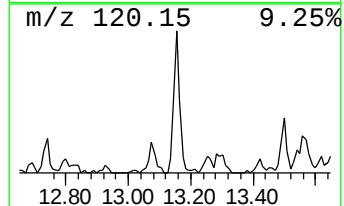
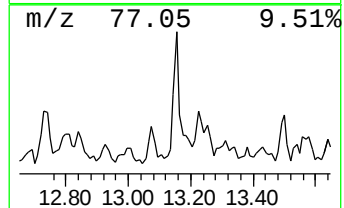
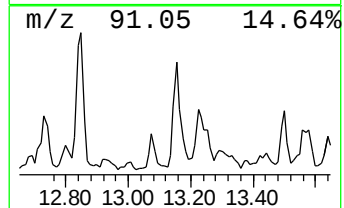
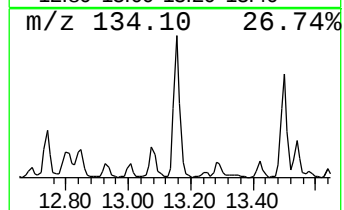
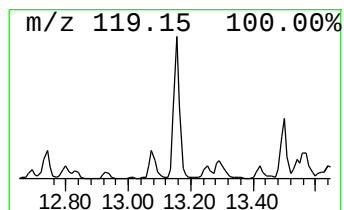
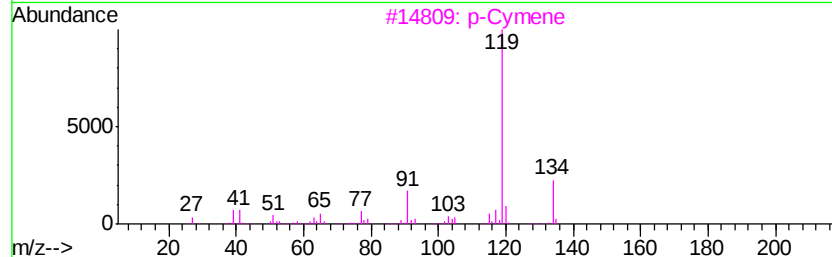
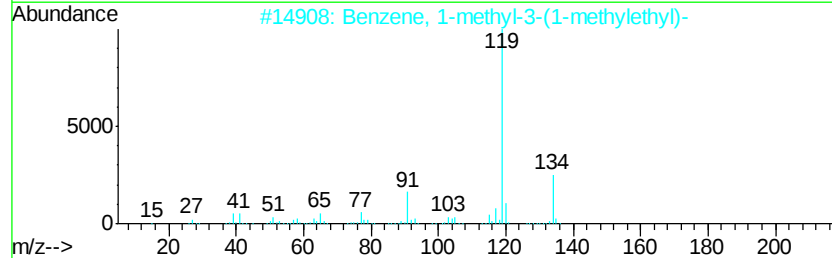
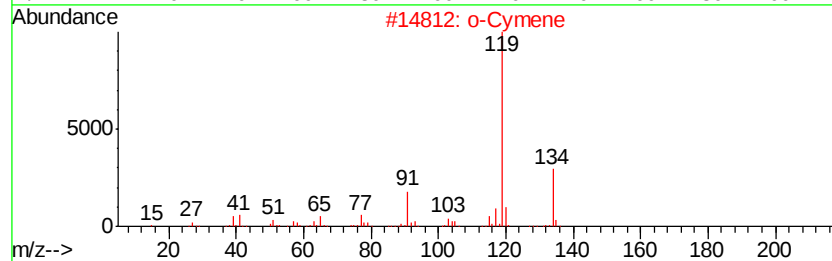
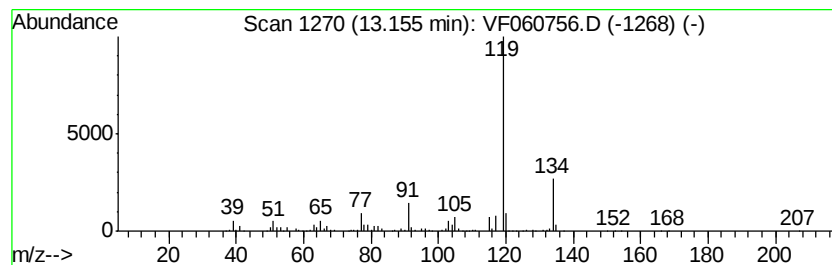
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Quant Title : SW846 8260

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

Peak Number 4 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	13.05 ug/l	257158	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3		p-Cymene	134	C10H14	000099-87-6	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

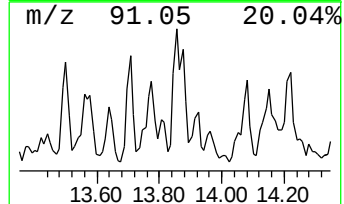
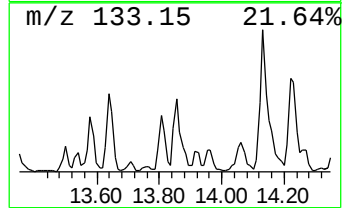
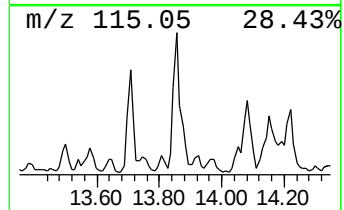
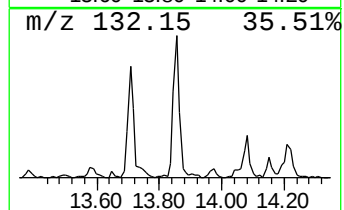
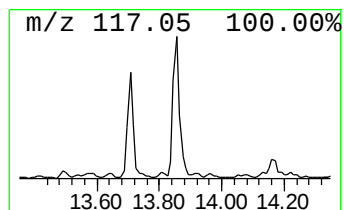
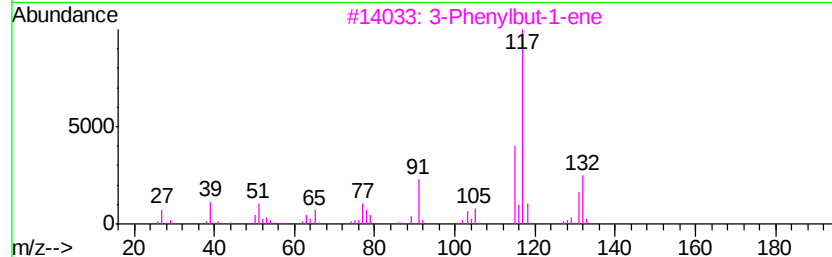
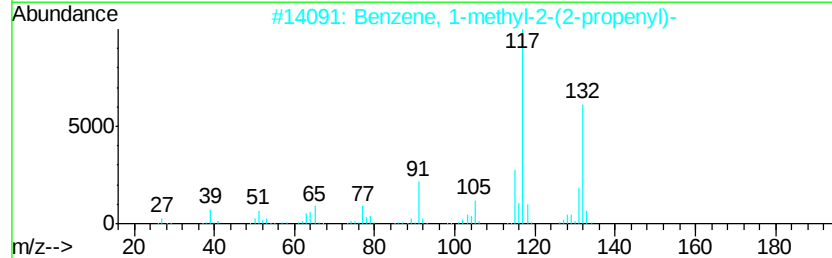
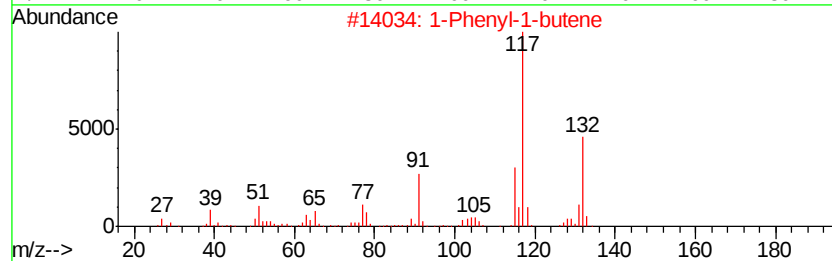
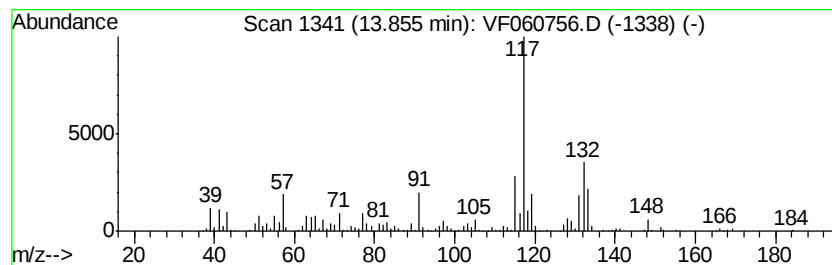
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Quant Title : SW846 8260

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

Peak Number 5 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	28.47 ug/l	560804	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
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\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

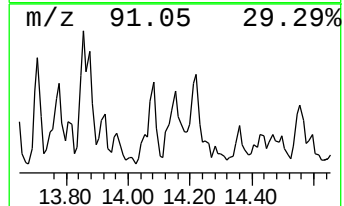
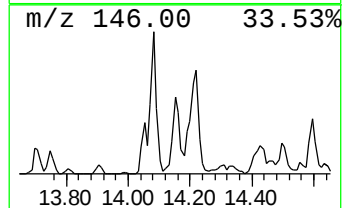
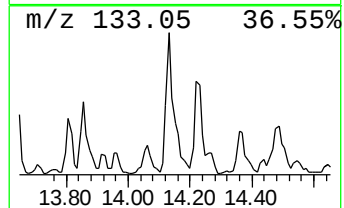
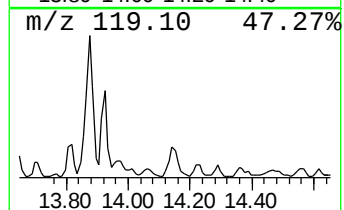
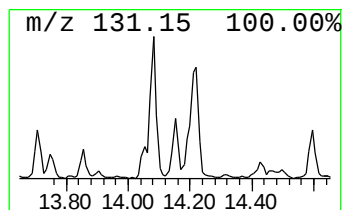
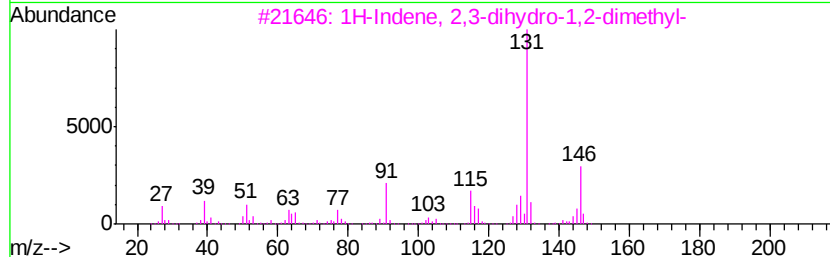
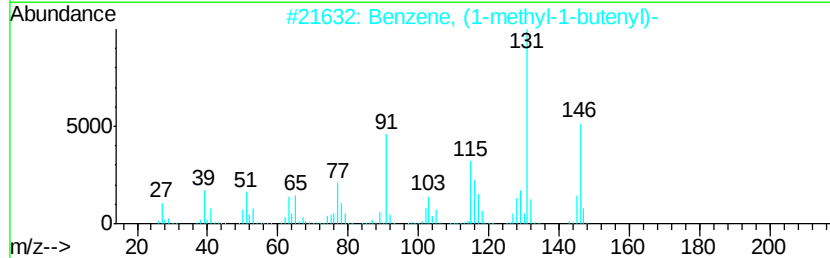
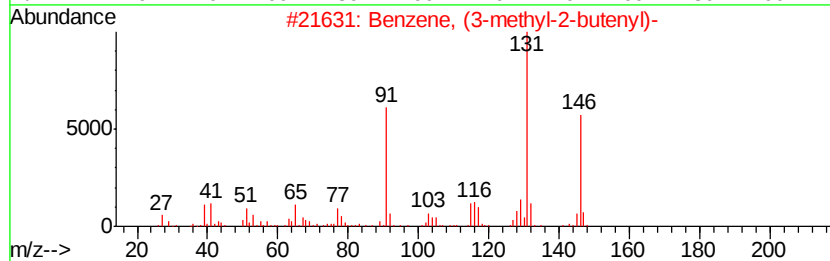
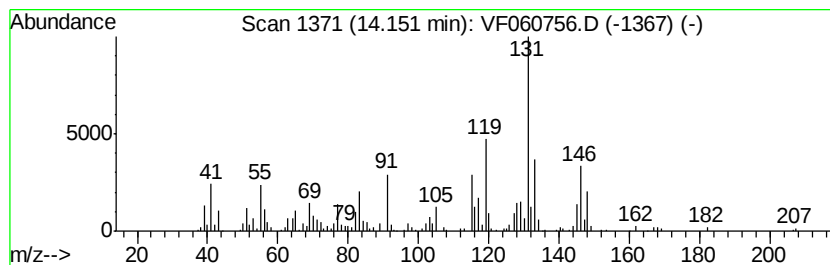
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, (3-methyl-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	17.93 ug/l	353111	1,4-Dichlorobenzene-d4	12.55

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	80
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	78
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FDSB-09(16-18)

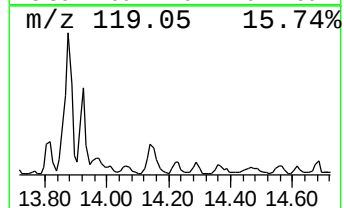
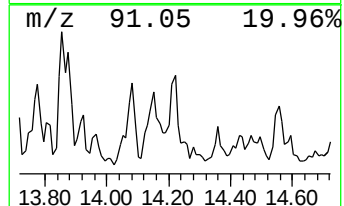
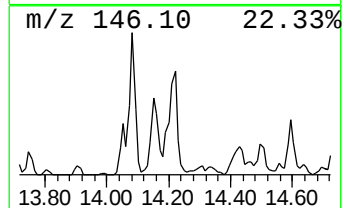
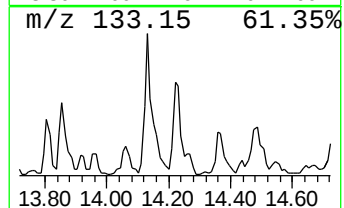
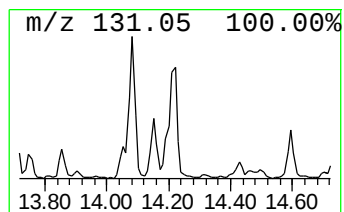
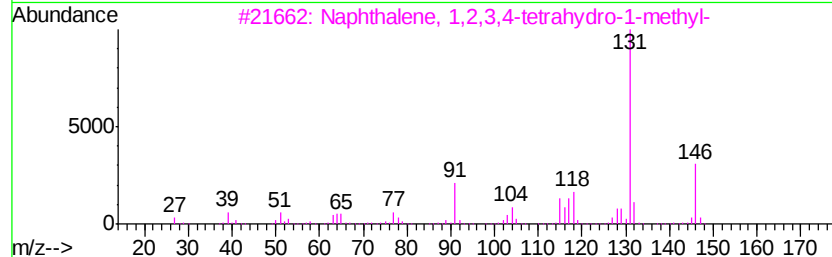
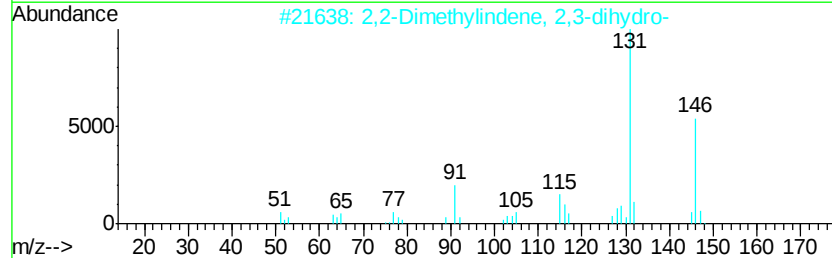
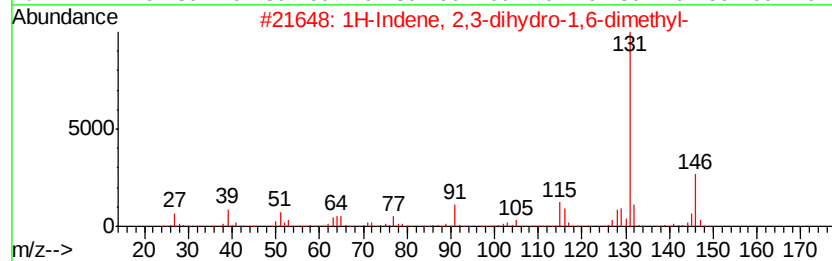
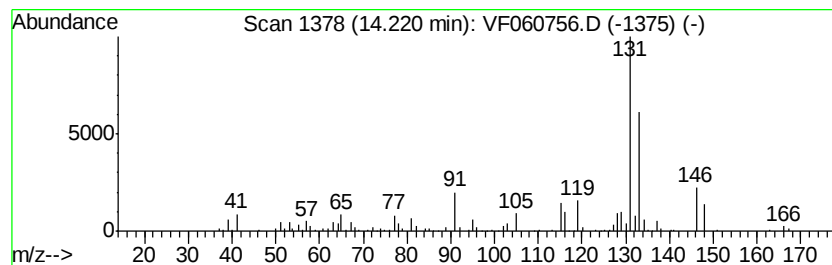
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	13.50 ug/l	265937	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	58
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	58
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
5		Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

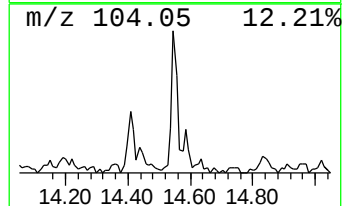
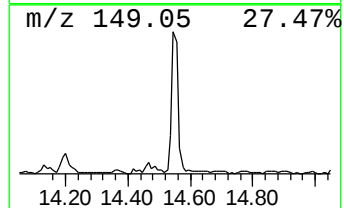
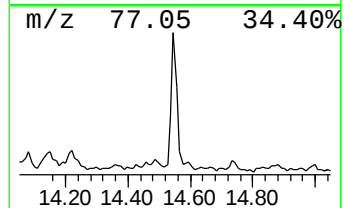
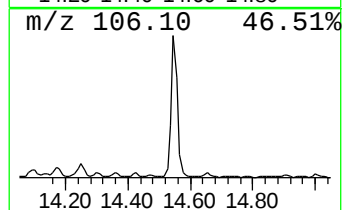
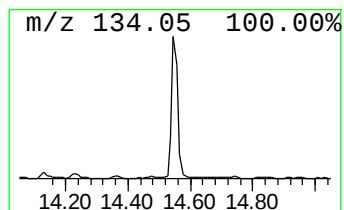
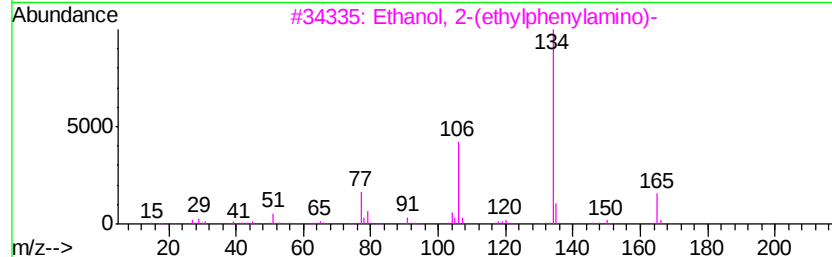
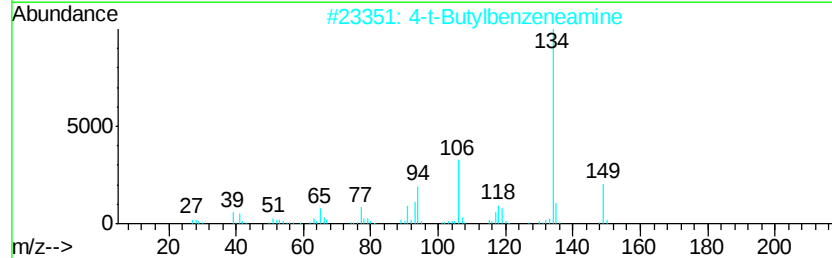
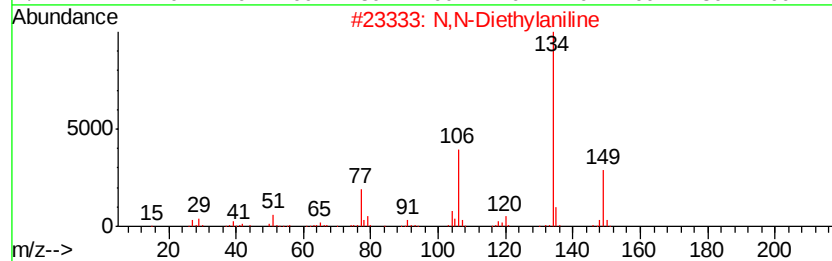
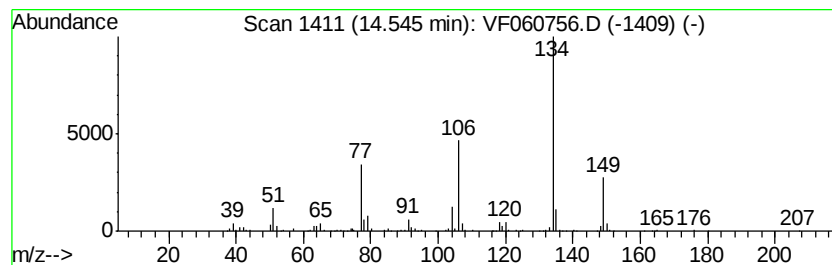
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Quant Title : SW846 8260

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

Peak Number 8 N,N-Diethylaniline Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	13.31 ug/l	262218	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		N,N-Diethylaniline	149	C10H15N	000091-66-7	95
2		4-t-Butylbenzeneamine	149	C10H15N	000769-92-6	72
3		Ethanol, 2-(ethylphenylamino)-	165	C10H15NO	000092-50-2	72
4		Propanenitrile, 3-(ethylphenylam...	174	C11H14N2	000148-87-8	64
5		2-Coumaranone	134	C8H6O2	000553-86-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060756.D
Acq On : 15 Nov 2018 19:43
Operator : VA/AP
Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
FDSB-09(16-18)

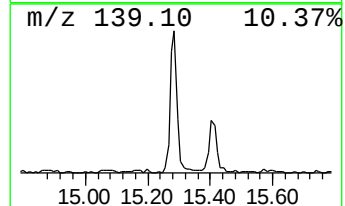
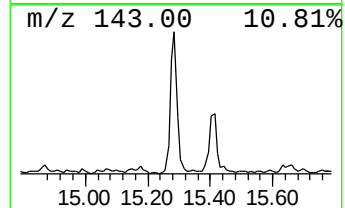
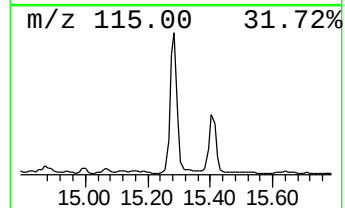
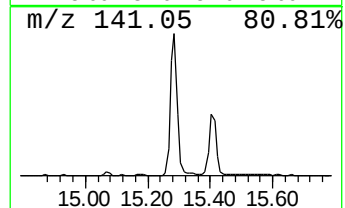
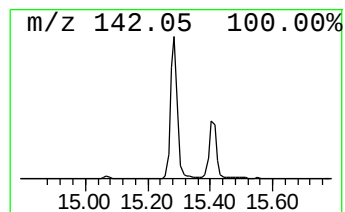
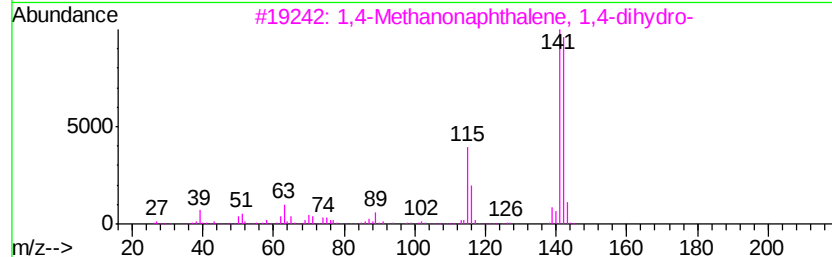
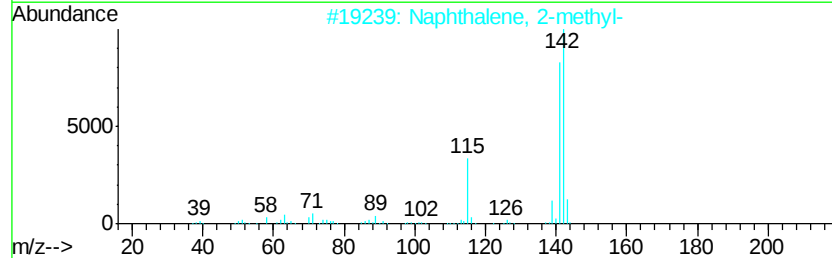
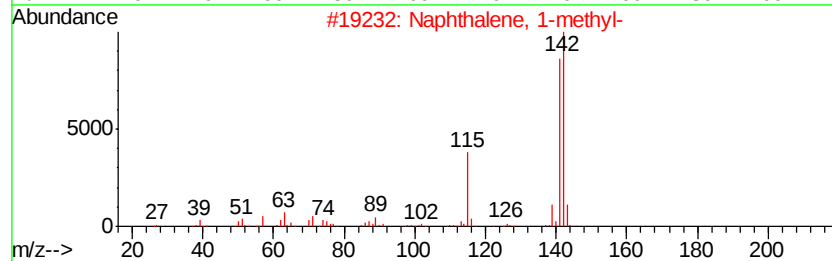
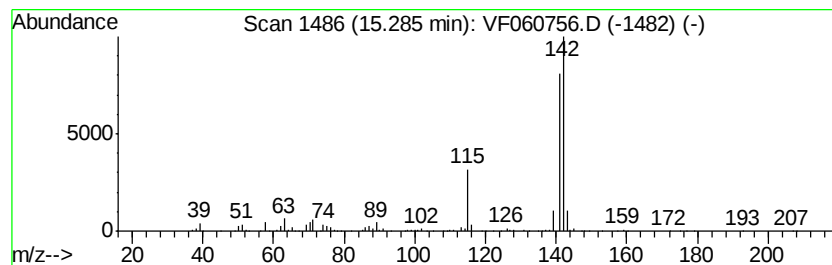
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	27.47 ug/l	541026	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Naphthalene, 1-[(2-propenyloxy)m...	198	C14H14O	074685-39-5	83



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
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Sample : J5911-02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.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
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Isobutyl octyl ca...	11.27	17.3	ug/l	341182	4	12.55	984933	50.0
Decane, 4-methyl-	11.99	19.5	ug/l	384901	4	12.55	984933	50.0
o-Cymene	13.15	13.1	ug/l	257158	4	12.55	984933	50.0
1-Phenyl-1-butene	13.85	28.5	ug/l	560804	4	12.55	984933	50.0
Benzene, (3-methy...	14.15	17.9	ug/l	353111	4	12.55	984933	50.0
1H-Indene, 2,3-di...	14.22	13.5	ug/l	265937	4	12.55	984933	50.0
N,N-Diethylaniline	14.55	13.3	ug/l	262218	4	12.55	984933	50.0
Naphthalene, 1-me...	15.29	27.5	ug/l	541026	4	12.55	984933	50.0