

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
 Data File : VF060524.D
 Acq On : 26 Oct 2018 18:54
 Operator : VA/AP
 Sample : J5515-01
 Misc : 5.74/5mL/MSVOA_F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

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\82F102518S.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	2.098	141	149	163	rBV3	98125	410901	1.90%	0.160%
2	2.275	163	167	178	rVB4	84108	353880	1.63%	0.138%
3	3.054	240	246	256	rBV2	129674	564708	2.61%	0.220%
4	4.060	341	348	357	rBV3	79754	452775	2.09%	0.176%
5	4.188	357	361	366	rVV4	71903	231458	1.07%	0.090%
6	4.296	366	372	382	rVB	246389	762691	3.52%	0.297%
7	4.671	403	410	437	rVB3	194212	1446008	6.67%	0.562%
8	5.035	440	447	456	rBV2	327132	1174429	5.42%	0.457%
9	5.627	499	507	516	rBV3	173784	686170	3.17%	0.267%
10	5.765	516	521	531	rVV	352563	1067180	4.92%	0.415%
11	7.184	659	665	669	rBV3	175070	589484	2.72%	0.229%
12	7.460	684	693	697	rBV5	64264	282678	1.30%	0.110%
13	7.717	712	719	725	rBV2	425095	1207702	5.57%	0.470%
14	8.426	786	791	798	rVB	143269	354065	1.63%	0.138%
15	8.545	798	803	805	rBV4	84688	240712	1.11%	0.094%
16	8.604	805	809	817	rVB	398788	1046986	4.83%	0.407%
17	8.771	821	826	831	rBV	345934	936066	4.32%	0.364%
18	9.116	855	861	865	rBV2	320212	858451	3.96%	0.334%
19	9.244	871	874	880	rVB	225979	508714	2.35%	0.198%
20	9.432	887	893	897	rBV	322905	777224	3.59%	0.302%
21	9.678	910	918	924	rBV3	100953	364824	1.68%	0.142%
22	9.915	937	942	946	rVV2	656032	1635766	7.55%	0.636%
23	9.964	946	947	953	rVB	175277	327059	1.51%	0.127%
24	10.368	982	988	996	rBV2	534498	1864430	8.60%	0.725%
25	10.477	996	999	1005	rVB2	259753	619272	2.86%	0.241%
26	10.644	1013	1016	1023	rVB2	579271	1440944	6.65%	0.560%
27	10.792	1023	1031	1038	rBV4	1353464	3903892	18.02%	1.518%
28	10.900	1038	1042	1044	rBV3	279258	701293	3.24%	0.273%
29	10.940	1044	1046	1049	rVB	486349	755463	3.49%	0.294%
30	11.058	1054	1058	1062	rVB2	267770	592572	2.73%	0.230%
31	11.157	1062	1068	1071	rBV3	543330	1786446	8.24%	0.695%
32	11.226	1071	1075	1081	rVB3	1208274	2508411	11.58%	0.975%
33	11.324	1081	1085	1087	rBV3	292933	753305	3.48%	0.293%
34	11.374	1087	1090	1094	rVB3	1189471	2307456	10.65%	0.897%

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35	11.531	1098	1106	1110	rBV6	497635	2088409	9.64%	0.812%
36	11.591	1110	1112	1115	rVB3	398793	645034	2.98%	0.251%
37	11.650	1115	1118	1120	rBV	1228975	1962766	9.06%	0.763%
38	11.689	1120	1122	1128	rVB2	901995	2010628	9.28%	0.782%
39	11.768	1128	1130	1133	rVB3	359873	511810	2.36%	0.199%
40	11.827	1133	1136	1138	rBV3	315617	620716	2.86%	0.241%
41	11.867	1138	1140	1142	rVB	525566	691742	3.19%	0.269%
42	11.916	1142	1145	1148	rVB	418038	658685	3.04%	0.256%
43	11.975	1148	1151	1153	rBV	763847	1264138	5.83%	0.492%
44	12.044	1153	1158	1159	rBV2	932343	1849986	8.54%	0.719%
45	12.083	1159	1162	1166	rVB	3286926	5493238	25.35%	2.136%
46	12.152	1166	1169	1174	rBV3	809151	1746476	8.06%	0.679%
47	12.231	1174	1177	1180	rBV4	1107564	2634789	12.16%	1.025%
48	12.290	1180	1183	1187	rVB2	2210150	3702621	17.09%	1.440%
49	12.379	1188	1192	1194	rBV4	770654	1556582	7.18%	0.605%
50	12.468	1198	1201	1203	rBV	1367266	2239325	10.33%	0.871%
51	12.507	1203	1205	1209	rVB3	625449	1216430	5.61%	0.473%
52	12.576	1209	1212	1214	rBV2	835363	1421400	6.56%	0.553%
53	12.616	1214	1216	1220	rVB3	354506	580294	2.68%	0.226%
54	12.685	1220	1223	1226	rBV2	1872026	3323172	15.34%	1.292%
55	12.744	1227	1229	1232	rBV3	339882	629254	2.90%	0.245%
56	12.803	1232	1235	1238	rBV2	1601639	3502045	16.16%	1.362%
57	12.872	1239	1242	1244	rVB2	1149040	1846492	8.52%	0.718%
58	12.921	1244	1247	1251	rVB3	1813191	3314134	15.29%	1.289%
59	12.980	1251	1253	1254	rBV	397758	580843	2.68%	0.226%
60	13.010	1254	1256	1261	rBV4	1477036	3764036	17.37%	1.464%
61	13.089	1261	1264	1268	rVB	1970515	3980354	18.37%	1.548%
62	13.148	1268	1270	1272	rBV2	874827	1342138	6.19%	0.522%
63	13.197	1272	1275	1276	rBV2	2274269	3261263	15.05%	1.268%
64	13.227	1276	1278	1280	rBV	2363434	2877028	13.28%	1.119%
65	13.365	1290	1292	1295	rBV2	2616729	4860222	22.43%	1.890%
66	13.414	1295	1297	1299	rVV2	1787008	2509416	11.58%	0.976%
67	13.454	1299	1301	1304	rVB2	2410962	3584091	16.54%	1.394%
68	13.523	1306	1308	1310	rBV2	845051	1377538	6.36%	0.536%
69	13.572	1310	1313	1315	rVB	2470480	3145296	14.52%	1.223%
70	13.631	1315	1319	1325	rVB4	1527475	5260897	24.28%	2.046%
71	13.710	1325	1327	1329	rBV	1364355	2417556	11.16%	0.940%

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72	13.749	1329	1331	1332	rVV	1142866	1670963	7.71%	0.650%
73	13.779	1332	1334	1340	rVV2	3182646	8850829	40.85%	3.442%
74	13.877	1342	1344	1346	rVV	1505956	2344227	10.82%	0.912%
75	13.927	1346	1349	1353	rVV3	10022961	21669137	100.00%	8.426%
76	13.986	1353	1355	1358	rVB3	3103673	4996839	23.06%	1.943%
77	14.084	1363	1365	1366	rBV	1045796	1453791	6.71%	0.565%
78	14.124	1366	1369	1370	rVV2	1363186	2129096	9.83%	0.828%
79	14.153	1370	1372	1375	rVV	1981354	3410329	15.74%	1.326%
80	14.232	1375	1380	1384	rVV4	5019507	12523054	57.79%	4.870%
81	14.291	1384	1386	1392	rVV4	3375328	6942288	32.04%	2.700%
82	14.370	1392	1394	1397	rVV2	4906635	7662557	35.36%	2.980%
83	14.429	1397	1400	1403	rVB4	2121432	3909202	18.04%	1.520%
84	14.498	1403	1407	1409	rBV3	1655782	3823632	17.65%	1.487%
85	14.538	1409	1411	1412	rVV2	1925832	2489036	11.49%	0.968%
86	14.567	1412	1414	1418	rVV3	2170546	3928261	18.13%	1.528%
87	14.627	1418	1420	1422	rVV3	988428	1693005	7.81%	0.658%
88	14.666	1422	1424	1427	rVB2	2570931	3700922	17.08%	1.439%
89	14.814	1436	1439	1442	rVB3	3733569	5498198	25.37%	2.138%
90	14.903	1446	1448	1449	rVV2	1111290	1553777	7.17%	0.604%
91	14.942	1450	1452	1458	rVV4	1836088	5337114	24.63%	2.075%
92	15.080	1462	1466	1471	rBV3	2474433	5244521	24.20%	2.039%
93	15.188	1474	1477	1480	rVV2	1718869	2838244	13.10%	1.104%
94	15.248	1480	1483	1489	rVV5	1867797	4006043	18.49%	1.558%
95	15.366	1491	1495	1498	rVV	4370727	8257906	38.11%	3.211%
96	15.415	1498	1500	1503	rVV3	843177	1679148	7.75%	0.653%
97	15.494	1503	1508	1514	rVB	3768283	7963685	36.75%	3.097%
98	15.721	1529	1531	1536	rVB2	792910	1606590	7.41%	0.625%
99	15.898	1546	1549	1553	rVB2	988572	1742957	8.04%	0.678%
100	16.036	1559	1563	1565	rBV4	126649	254086	1.17%	0.099%

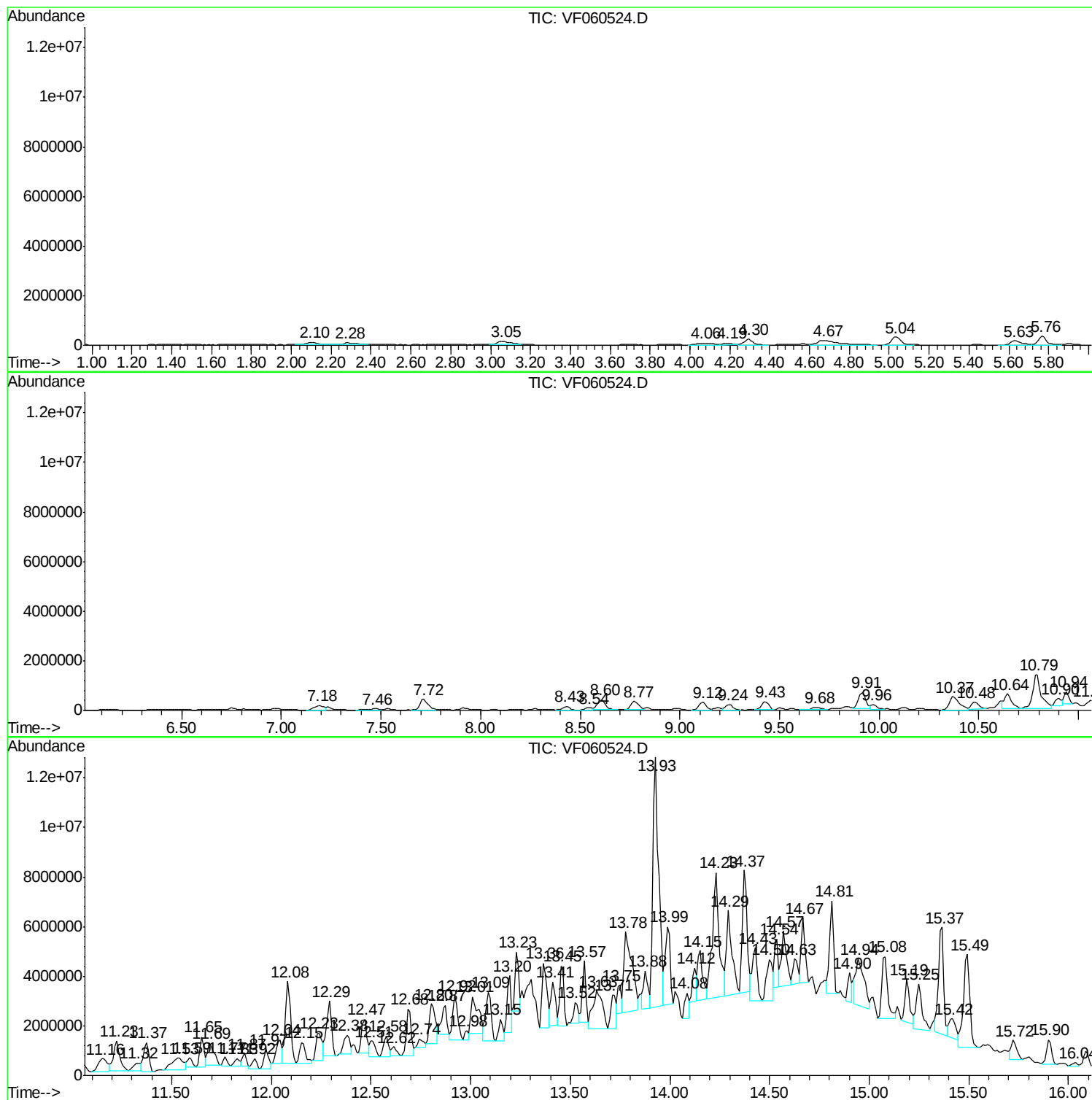
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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260

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



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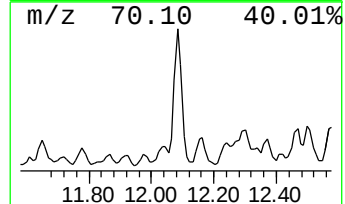
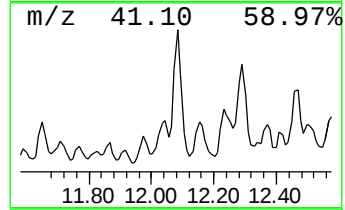
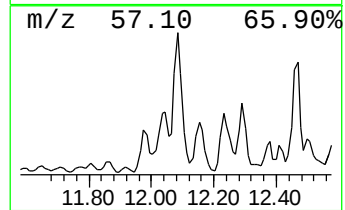
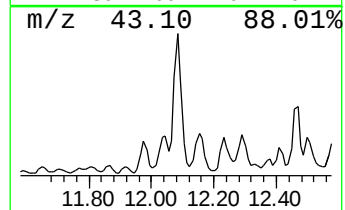
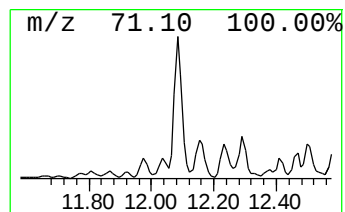
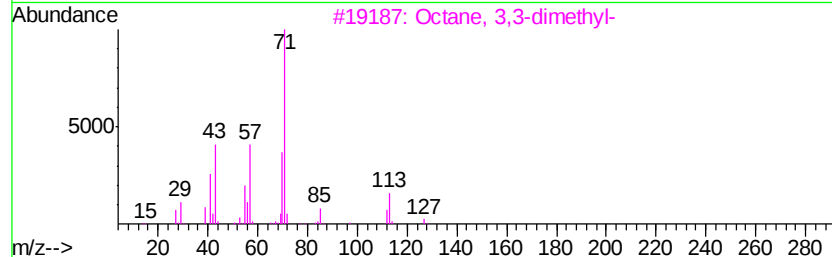
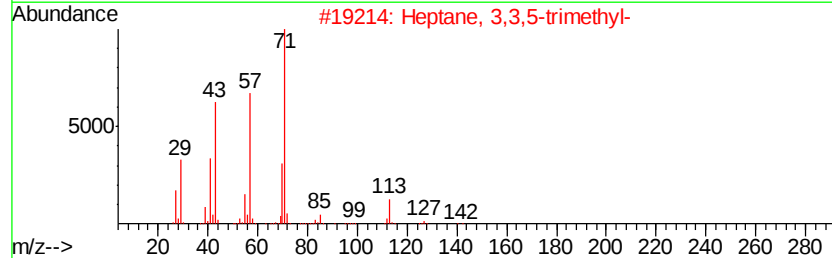
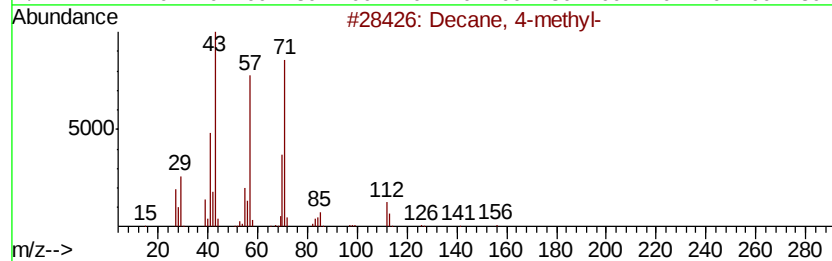
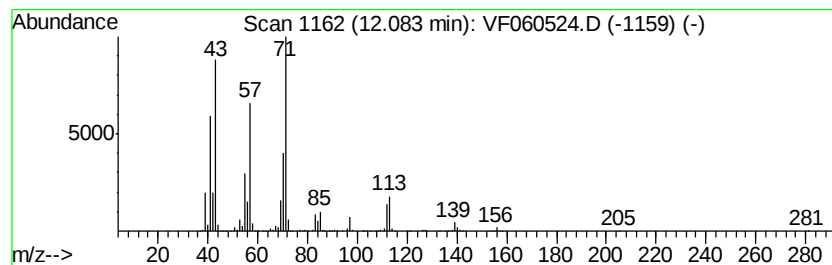
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260

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

Peak Number 1 Decane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	473.32 ug/l	5493240	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	93
2		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4		n-Amyl ether	158	C10H22O	000693-65-2	59
5		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	59



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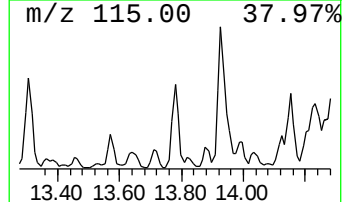
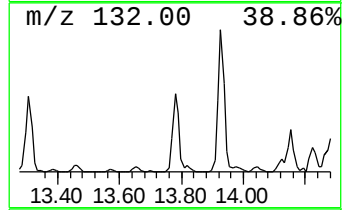
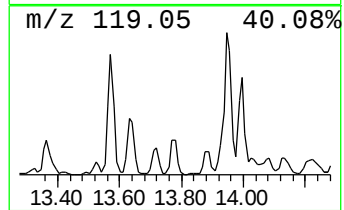
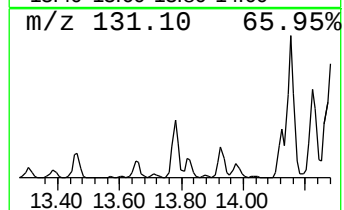
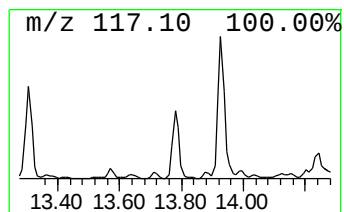
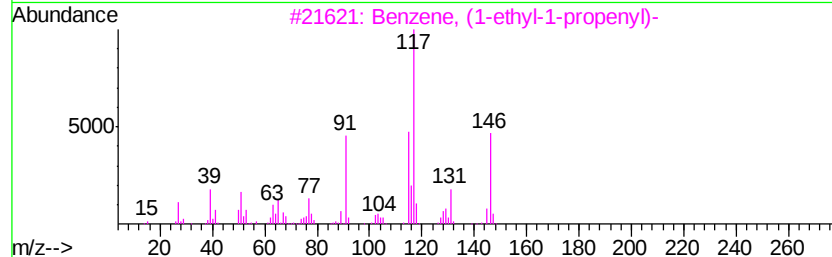
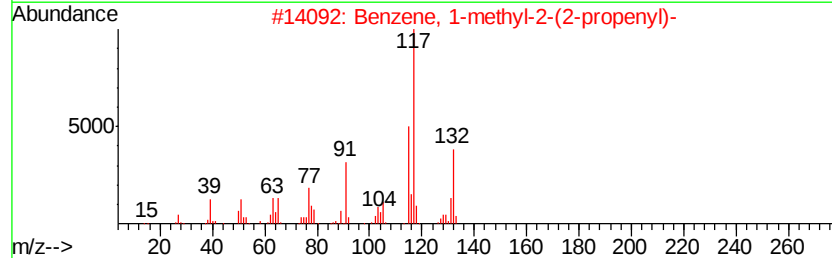
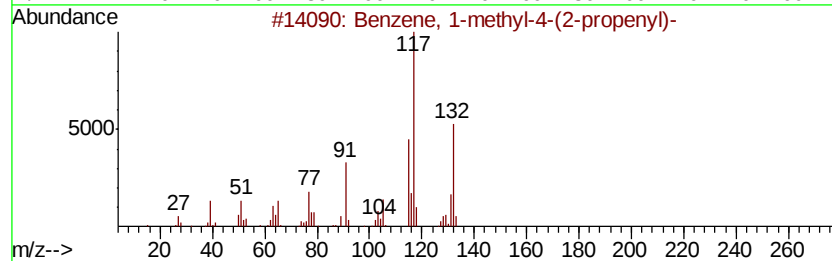
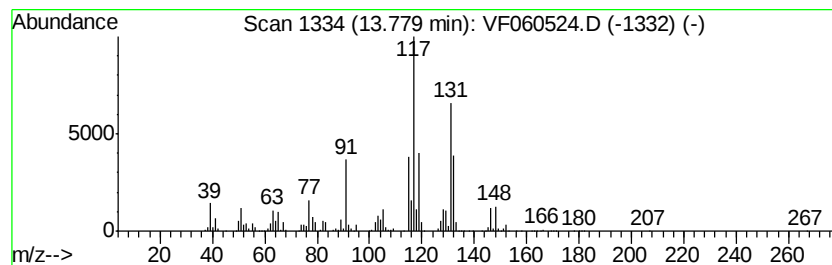
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-methyl-4-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	762.62 ug/l	8850830	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	92
3		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	87
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	86
5		2,4-Dimethylstyrene	132	C10H12	002234-20-0	78



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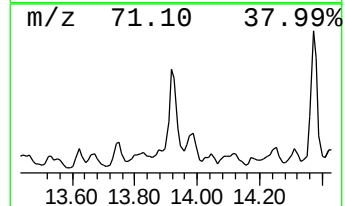
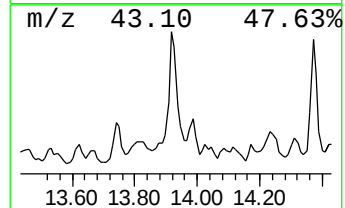
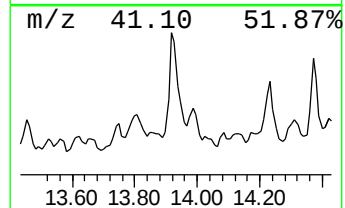
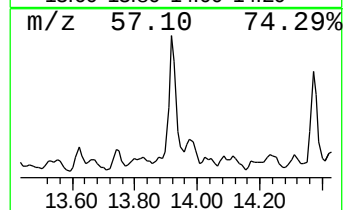
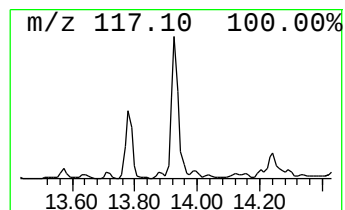
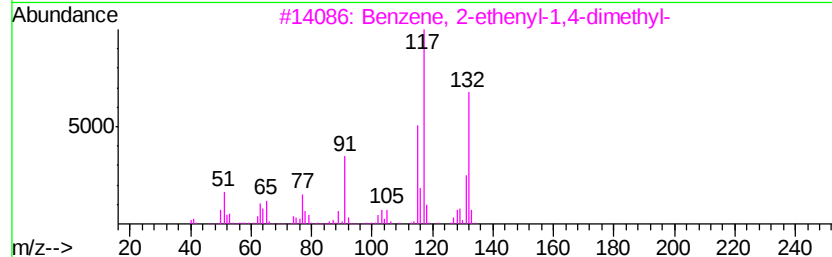
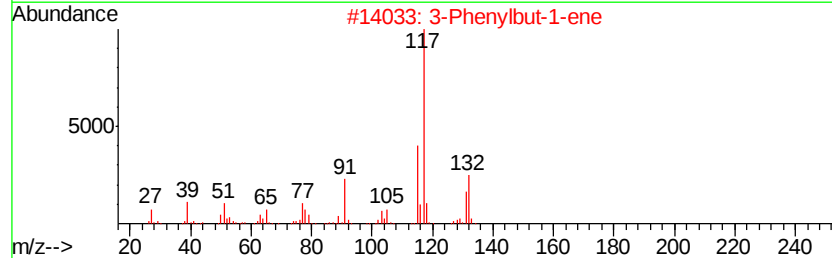
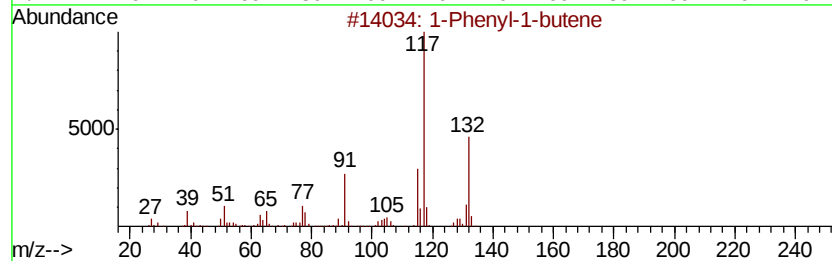
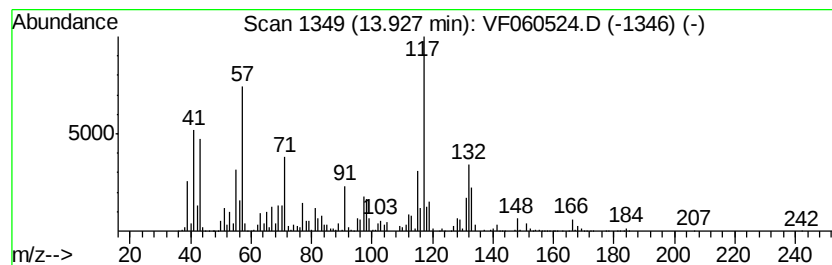
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Quant Title : SW846 8260

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

Peak Number 3 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	1867.08 ug/l	21669100	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

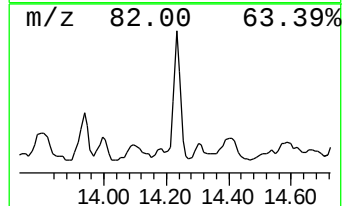
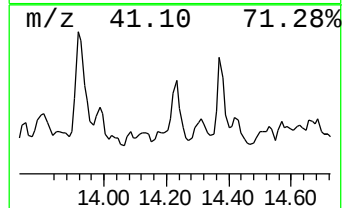
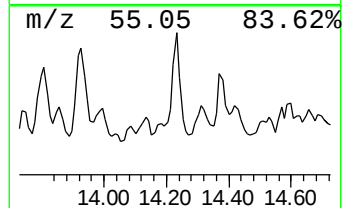
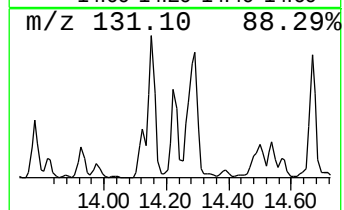
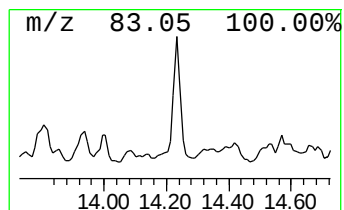
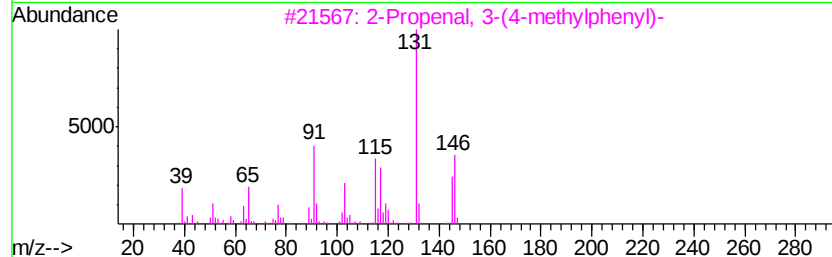
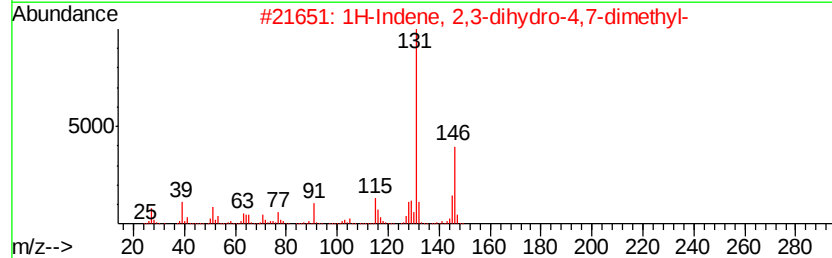
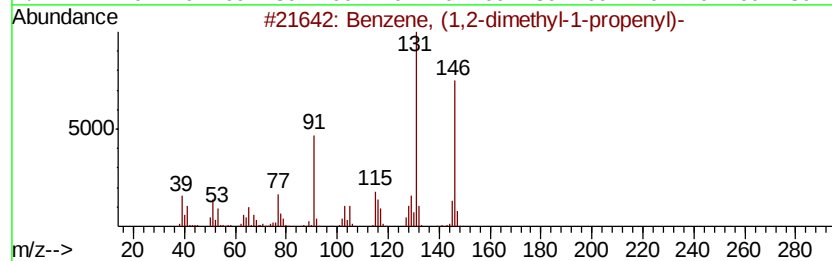
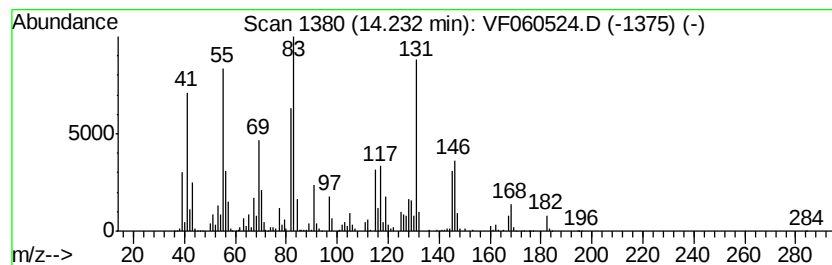
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Quant Title : SW846 8260

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

Peak Number 4 unknown14.23 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	1079.03 ug/l	12523100	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
3		2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	43
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	41
5		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

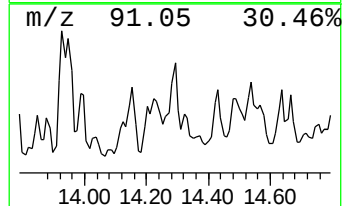
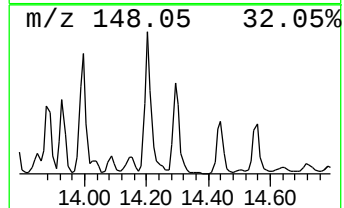
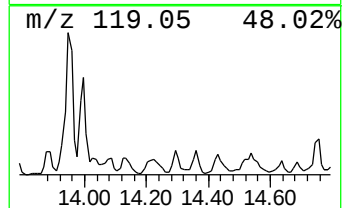
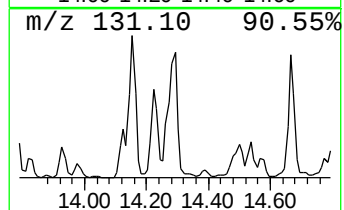
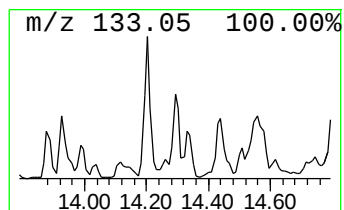
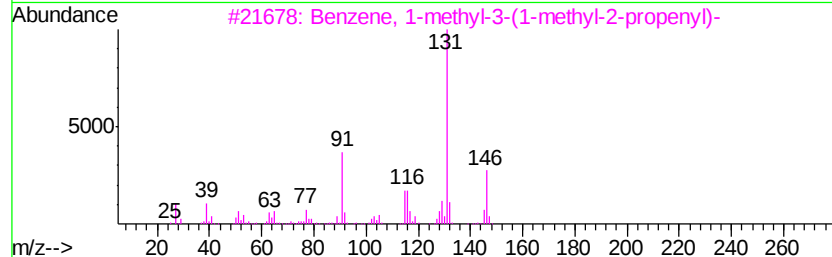
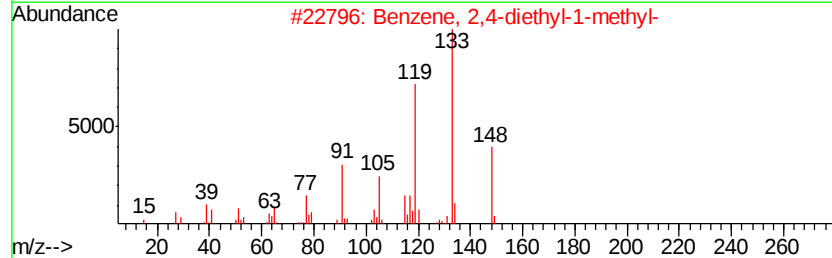
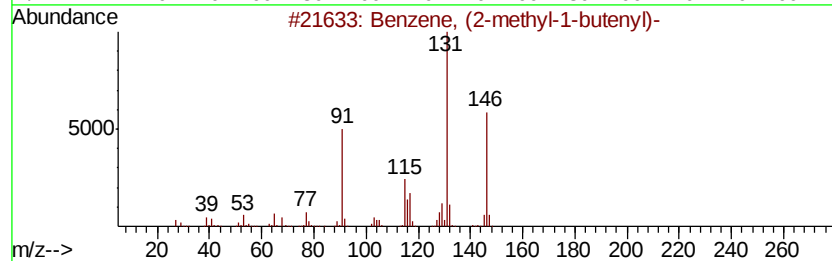
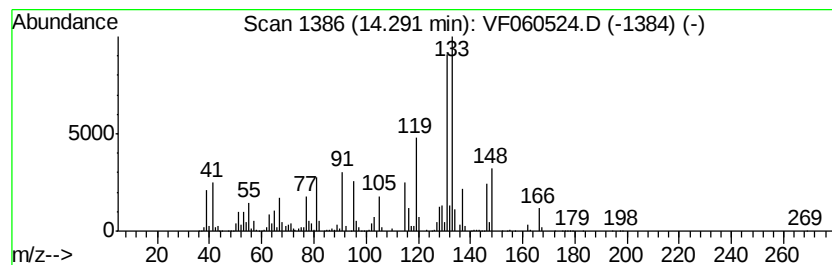
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	598.17 ug/l	6942290	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	51
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	43
3		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	38
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

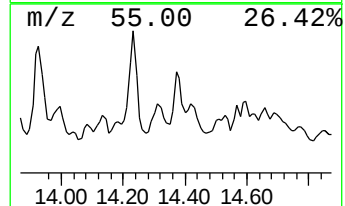
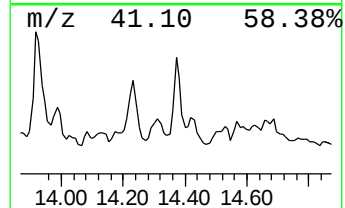
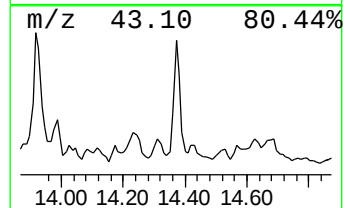
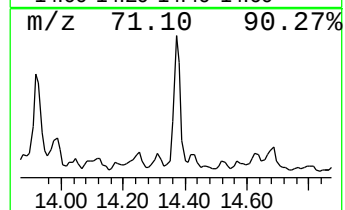
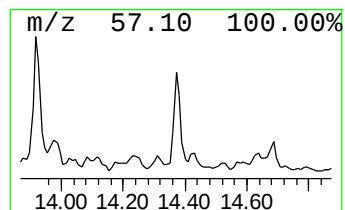
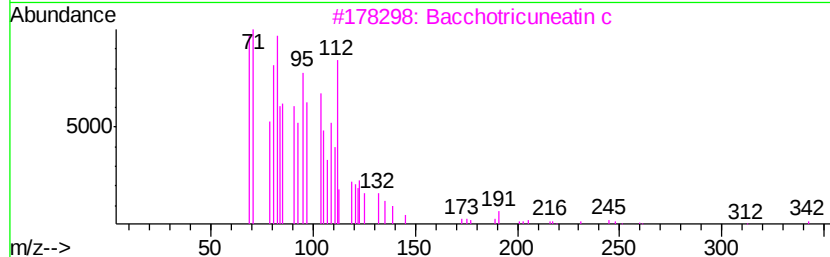
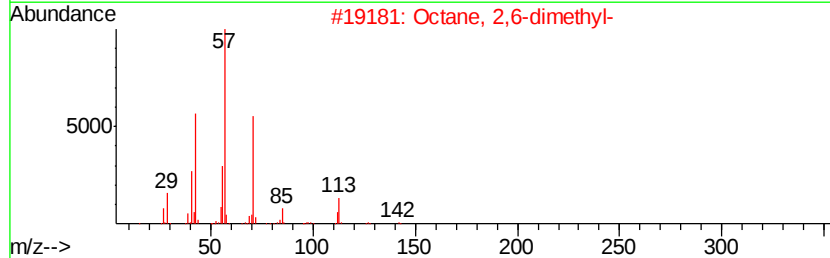
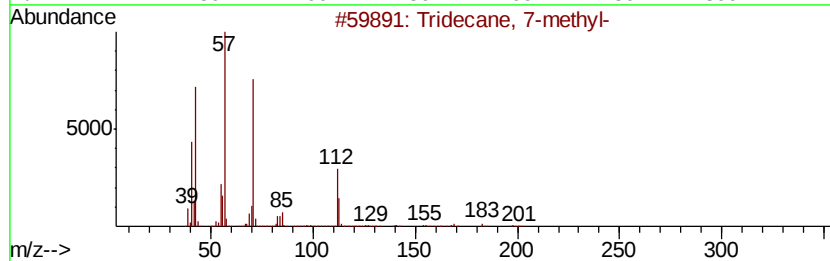
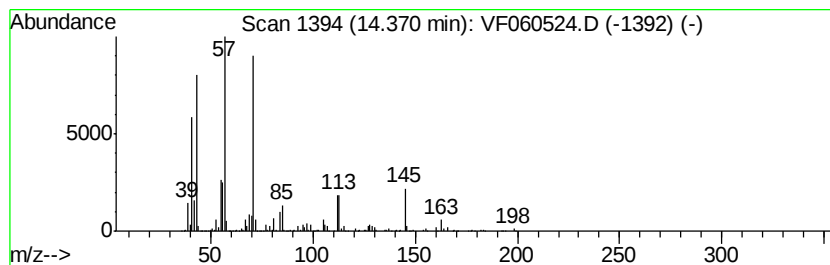
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Quant Title : SW846 8260

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

Peak Number 6 Tridecane, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	660.23 ug/l	7662560	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59
5		Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

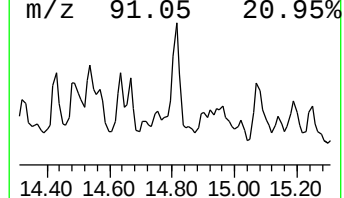
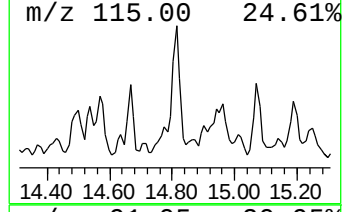
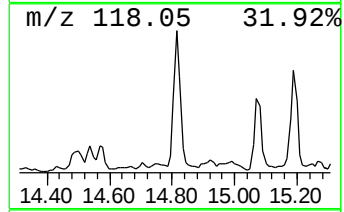
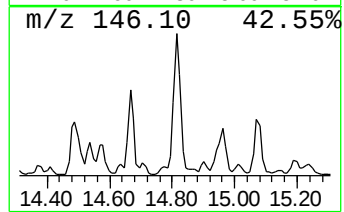
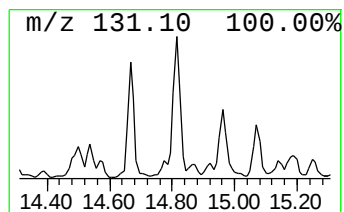
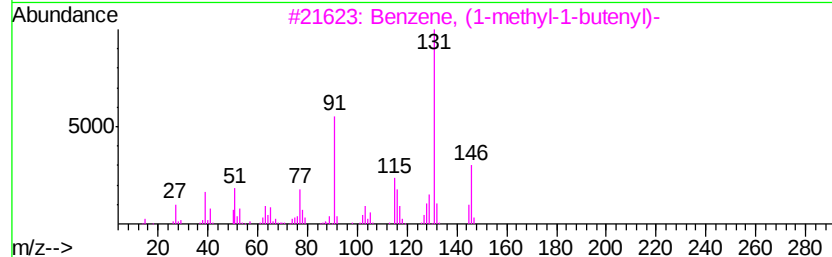
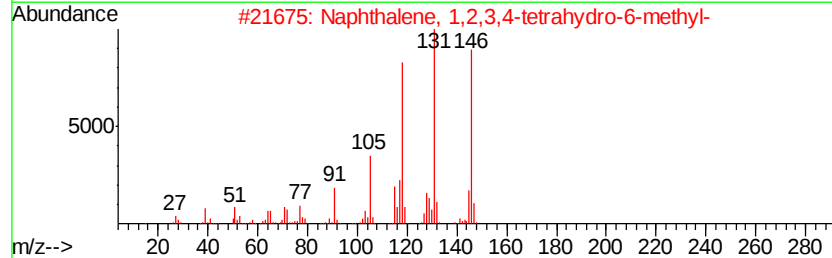
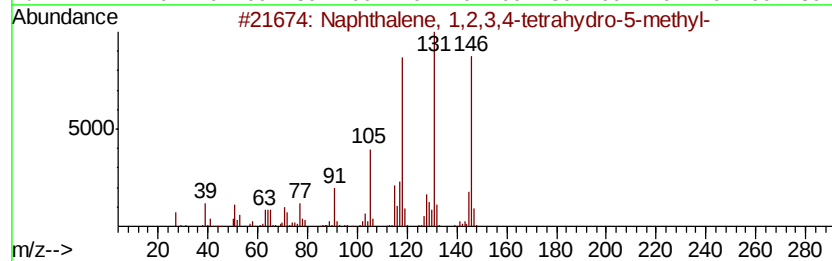
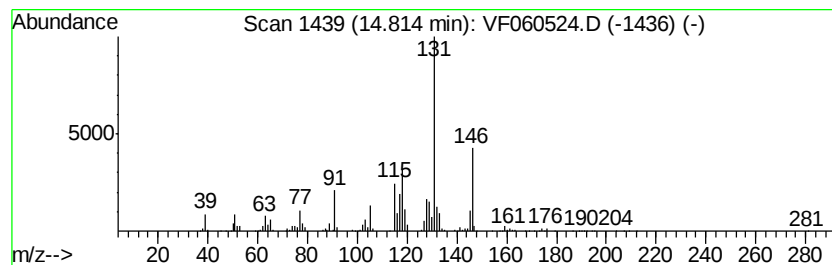
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	473.74 ug/l	5498200	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	86
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
5		1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

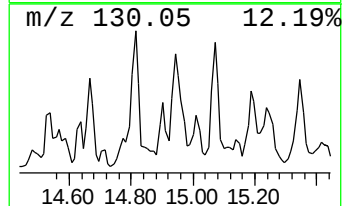
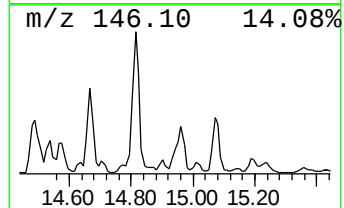
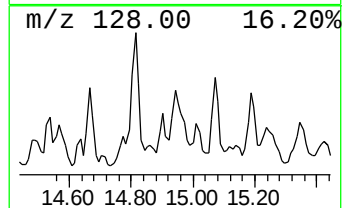
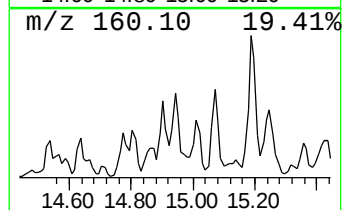
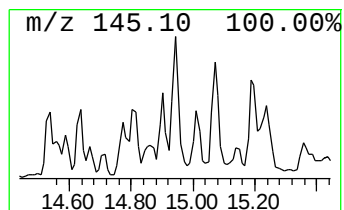
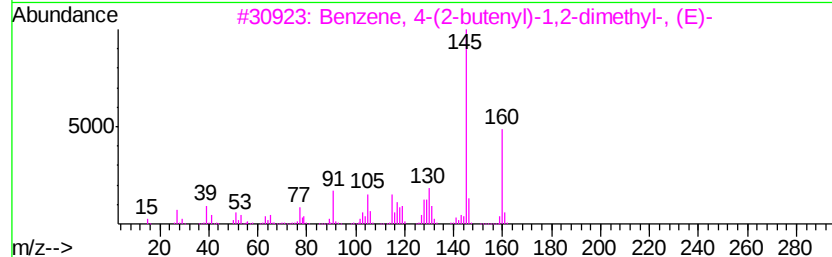
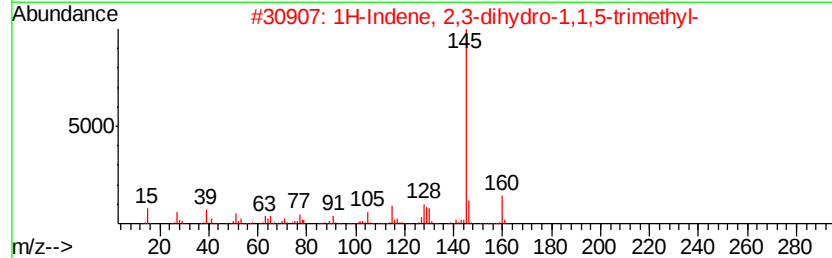
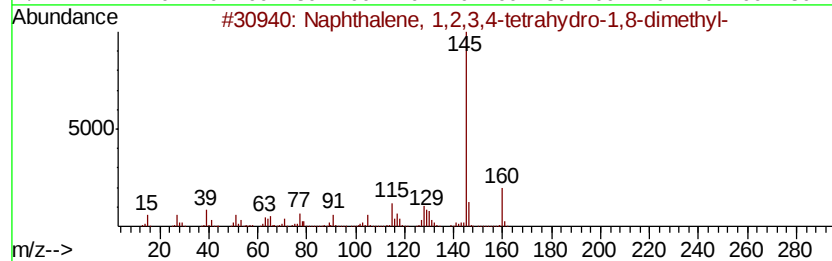
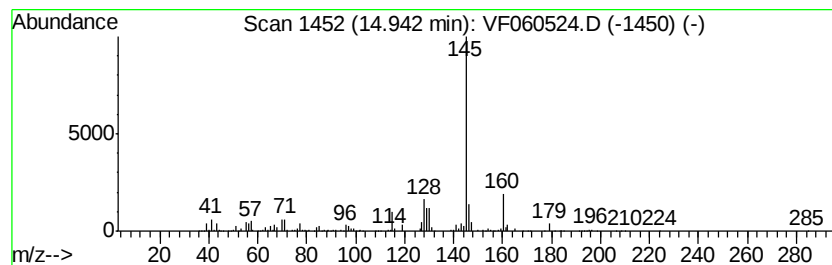
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	459.86 ug/l	5337110	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	90
4		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	87
5		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF102618\
Data File : VF060524.D
Acq On : 26 Oct 2018 18:54
Operator : VA/AP
Sample : J5515-01
Misc : 5.74/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.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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Benzene, 1-methyl...	13.78	762.6	ug/l	8850830	4	12.64	580294	50.0
1-Phenyl-1-butene	13.93	1867.1	ug/l	21669100	4	12.64	580294	50.0
unknown14.23	14.23	1079.0	ug/l	12523100	4	12.64	580294	50.0
Benzene, (2-methy...	14.29	598.2	ug/l	6942290	4	12.64	580294	50.0
Tridecane, 7-methyl-	14.37	660.2	ug/l	7662560	4	12.64	580294	50.0
Naphthalene, 1,2,...	14.81	473.7	ug/l	5498200	4	12.64	580294	50.0
Naphthalene, 1,2,...	14.94	459.9	ug/l	5337110	4	12.64	580294	50.0