

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061610.D
 Acq On : 12 Feb 2019 15:49
 Operator : VA/AP
 Sample : K1343-07
 Misc : 7.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-021119-D

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\82F011519S.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	1.071	43	45	49	rBV4	8651	18790	1.36%	0.094%
2	2.176	153	157	159	rBV2	10276	19156	1.39%	0.096%
3	2.235	159	163	171	rVB4	14009	49657	3.60%	0.248%
4	4.011	337	343	346	rBV2	9817	34309	2.49%	0.172%
5	4.100	346	352	368	rVB	130024	441523	31.98%	2.208%
6	4.396	377	382	393	rVB4	5819	27757	2.01%	0.139%
7	4.632	400	406	412	rBV	25240	71933	5.21%	0.360%
8	4.859	419	429	441	rBV2	253500	920047	66.64%	4.602%
9	5.589	496	503	514	rBV	307664	811193	58.76%	4.057%
10	7.542	696	701	708	rBV	328733	792951	57.43%	3.966%
11	9.772	920	927	936	rBV	368595	840960	60.91%	4.206%
12	9.880	936	938	944	rVB4	8192	19814	1.44%	0.099%
13	10.117	958	962	968	rVB	10764	22680	1.64%	0.113%
14	10.659	1014	1017	1019	rBV4	7533	16252	1.18%	0.081%
15	10.709	1019	1022	1026	rVB	12235	23995	1.74%	0.120%
16	11.261	1069	1078	1082	rVB4	12988	34458	2.50%	0.172%
17	11.409	1088	1093	1100	rBV	296260	549637	39.81%	2.749%
18	11.547	1103	1107	1110	rBV3	21328	46789	3.39%	0.234%
19	11.656	1114	1118	1120	rBV	52976	80196	5.81%	0.401%
20	11.705	1120	1123	1127	rVB	49473	91031	6.59%	0.455%
21	11.814	1131	1134	1138	rVB	30193	49866	3.61%	0.249%
22	11.942	1143	1147	1149	rBV4	7924	15218	1.10%	0.076%
23	12.011	1149	1154	1157	rVB2	34927	92440	6.70%	0.462%
24	12.060	1157	1159	1165	rVB6	5823	16723	1.21%	0.084%
25	12.149	1165	1168	1170	rBV4	13472	32124	2.33%	0.161%
26	12.198	1170	1173	1177	rVB	191096	268634	19.46%	1.344%
27	12.297	1179	1183	1185	rBV3	13310	24448	1.77%	0.122%
28	12.376	1188	1191	1193	rBV	37144	68605	4.97%	0.343%
29	12.415	1193	1195	1197	rBV2	30646	46476	3.37%	0.232%
30	12.455	1197	1199	1204	rVB	57619	88781	6.43%	0.444%
31	12.544	1204	1208	1211	rBV	455605	711242	51.52%	3.558%
32	12.603	1211	1214	1218	rVB	135700	200066	14.49%	1.001%
33	12.652	1218	1219	1223	rVB4	10422	16631	1.20%	0.083%
34	12.711	1223	1225	1229	rBV2	78078	172413	12.49%	0.862%

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35	12.770	1229	1231	1232	rBV	75326	104378	7.56%	0.522%
36	12.810	1232	1235	1242	rVB3	401632	758209	54.92%	3.792%
37	12.928	1244	1247	1248	rBV2	38649	60393	4.37%	0.302%
38	12.958	1248	1250	1252	rVB3	26047	33411	2.42%	0.167%
39	12.997	1252	1254	1258	rVB2	96636	169121	12.25%	0.846%
40	13.086	1258	1263	1267	rBV3	127505	394569	28.58%	1.974%
41	13.145	1267	1269	1271	rBV	111454	144320	10.45%	0.722%
42	13.195	1271	1274	1275	rVV2	91121	144307	10.45%	0.722%
43	13.224	1275	1277	1278	rVV	60288	87383	6.33%	0.437%
44	13.283	1281	1283	1286	rBV3	92542	144107	10.44%	0.721%
45	13.333	1286	1288	1290	rVV2	73807	106307	7.70%	0.532%
46	13.372	1290	1292	1294	rVV2	98686	139415	10.10%	0.697%
47	13.412	1294	1296	1301	rVB2	151066	223296	16.17%	1.117%
48	13.481	1301	1303	1306	rVB2	136114	213948	15.50%	1.070%
49	13.530	1306	1308	1310	rBV	133759	208437	15.10%	1.043%
50	13.569	1310	1312	1315	rVB4	62164	97948	7.09%	0.490%
51	13.698	1322	1325	1329	rBV2	852423	1380606	100.00%	6.906%
52	13.757	1329	1331	1334	rVB3	79356	148436	10.75%	0.742%
53	13.806	1334	1336	1337	rBV	82729	98039	7.10%	0.490%
54	13.846	1337	1340	1344	rVB3	529159	921226	66.73%	4.608%
55	13.915	1344	1347	1349	rVB2	176849	296053	21.44%	1.481%
56	13.964	1349	1352	1355	rBV	330278	449563	32.56%	2.249%
57	14.043	1358	1360	1361	rBV	71376	94908	6.87%	0.475%
58	14.073	1361	1363	1366	rVB	86599	115058	8.33%	0.576%
59	14.142	1366	1370	1375	rBV5	251065	735827	53.30%	3.680%
60	14.211	1375	1377	1381	rVB2	214717	268470	19.45%	1.343%
61	14.260	1381	1382	1384	rVB	65101	71975	5.21%	0.360%
62	14.299	1384	1386	1389	rVB	152231	184488	13.36%	0.923%
63	14.349	1389	1391	1394	rVB4	54844	79836	5.78%	0.399%
64	14.408	1394	1397	1399	rBV2	150612	261666	18.95%	1.309%
65	14.447	1399	1401	1402	rBV	736079	606996	43.97%	3.036%
66	14.556	1410	1412	1414	rBV	79701	112587	8.15%	0.563%
67	14.585	1414	1415	1420	rVB2	119043	186981	13.54%	0.935%
68	14.733	1427	1430	1434	rVB	489197	671201	48.62%	3.357%
69	14.822	1435	1439	1441	rVV3	80555	215399	15.60%	1.077%
70	14.872	1441	1444	1445	rVV3	156668	316796	22.95%	1.585%
71	14.950	1449	1452	1453	rVV2	76174	116885	8.47%	0.585%

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Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
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72	14.990	1453	1456	1464	rVB2	260166	659362	47.76%	3.298%
73	15.108	1464	1468	1471	rBV	618609	962093	69.69%	4.812%
74	15.158	1471	1473	1476	rVV2	124902	236726	17.15%	1.184%
75	15.207	1476	1478	1480	rVV	69786	107488	7.79%	0.538%
76	15.276	1483	1485	1488	rVV2	73122	118232	8.56%	0.591%
77	15.335	1488	1491	1494	rVB3	102751	213441	15.46%	1.068%
78	15.434	1499	1501	1503	rBV2	31141	39589	2.87%	0.198%
79	15.562	1511	1514	1516	rVB	62425	87902	6.37%	0.440%
80	15.641	1519	1522	1527	rVB2	85726	206620	14.97%	1.033%
81	15.710	1527	1529	1533	rVB4	38522	54114	3.92%	0.271%
82	15.779	1533	1536	1538	rBV	144757	196277	14.22%	0.982%
83	15.927	1549	1551	1553	rBV2	19022	31455	2.28%	0.157%

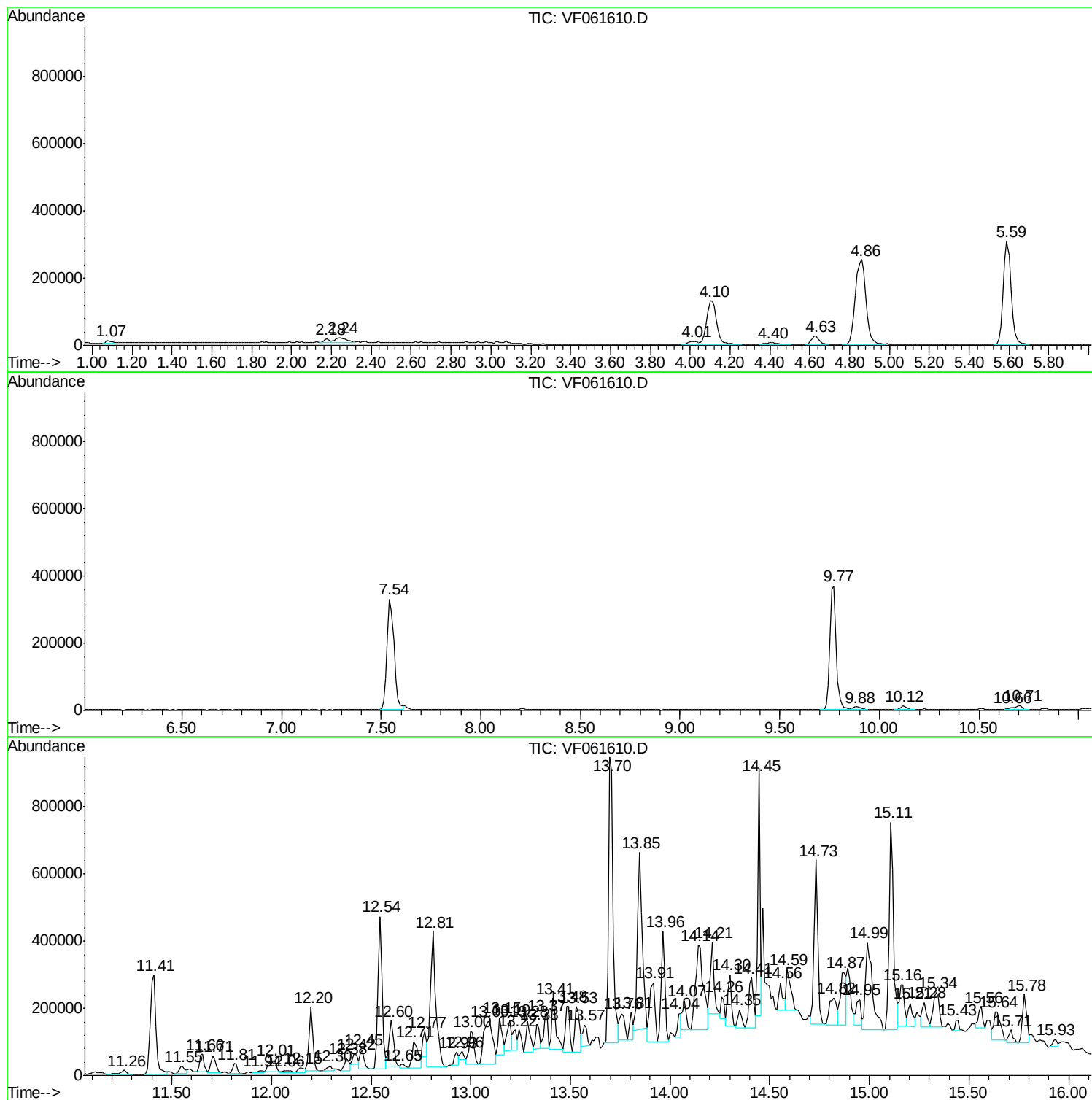
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JC-02-021119-D

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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



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ALS Vial : 9 Sample Multiplier: 1

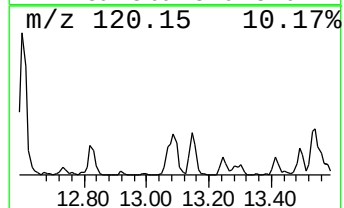
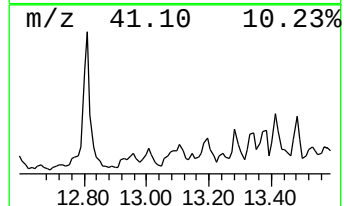
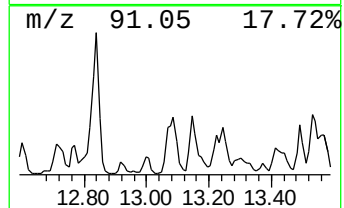
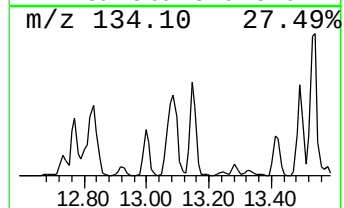
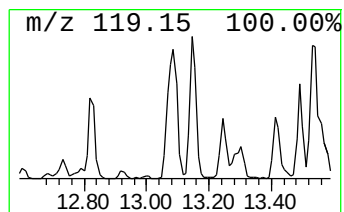
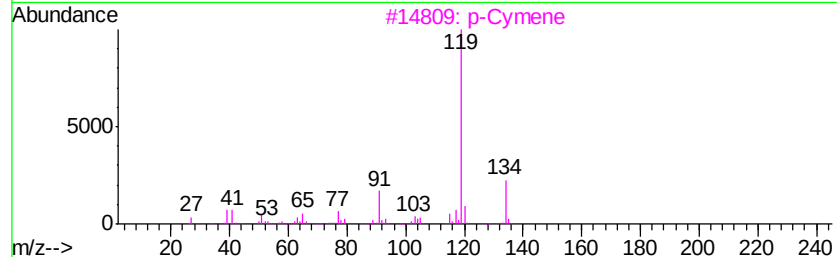
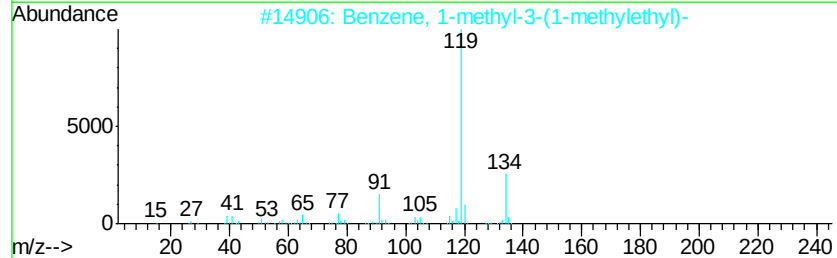
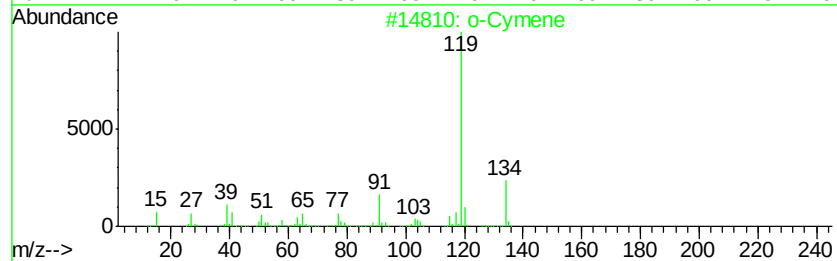
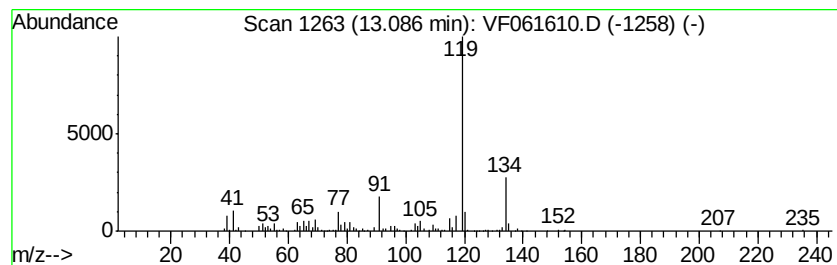
Instrument :
MSVOA_F
ClientSampled :
JC-02-021119-D

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 1 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	27.74 ug/l	394569	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 94
2		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 94
3		p-Cymene	134 C10H14	000099-87-6 94
4		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 94
5		Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5 91



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Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

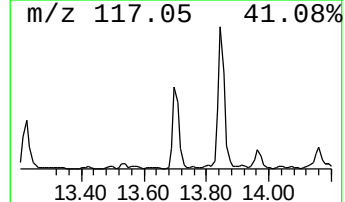
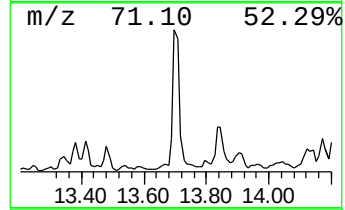
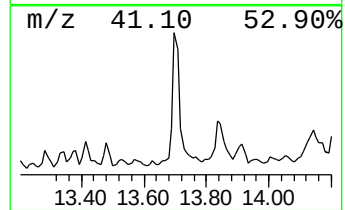
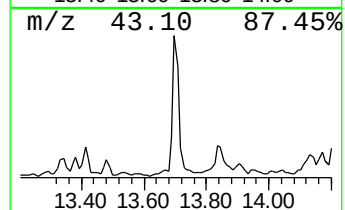
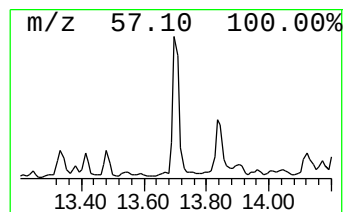
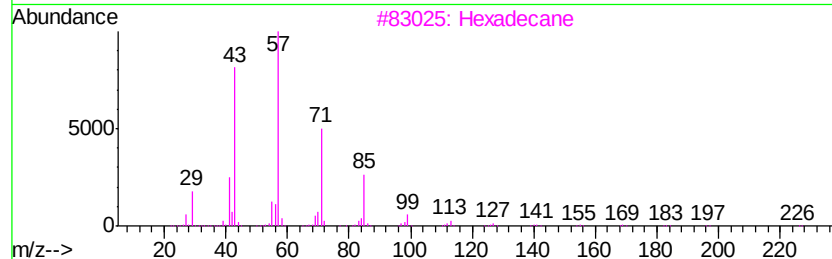
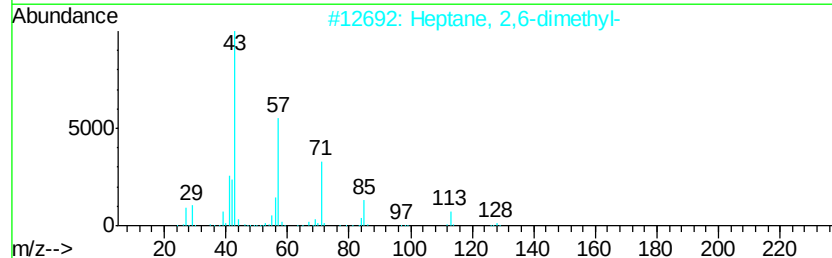
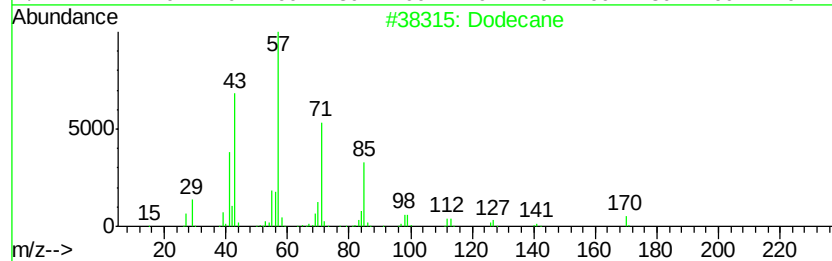
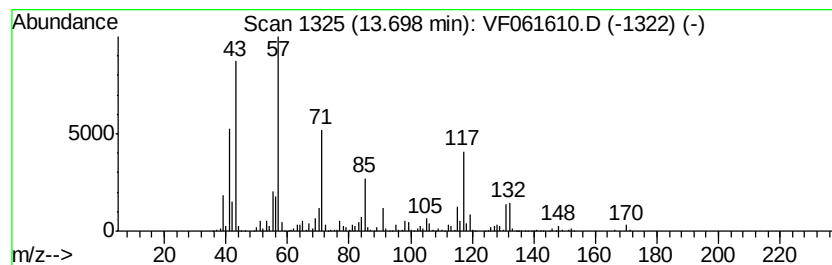
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	97.06 ug/l	1380610	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	64
2	Heptane, 2,6-dimethyl-	128 C9H20	001072-05-5	43
3	Hexadecane	226 C16H34	000544-76-3	43
4	Decane	142 C10H22	000124-18-5	43
5	Tetradecane, 1-iodo-	324 C14H29I	019218-94-1	43



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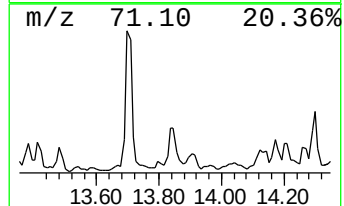
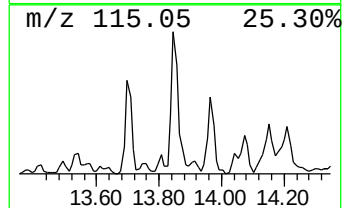
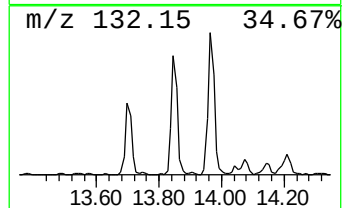
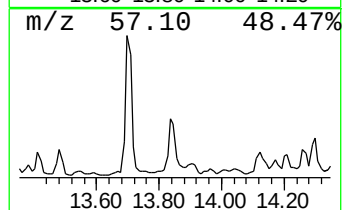
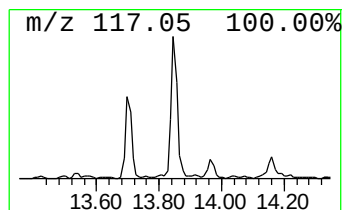
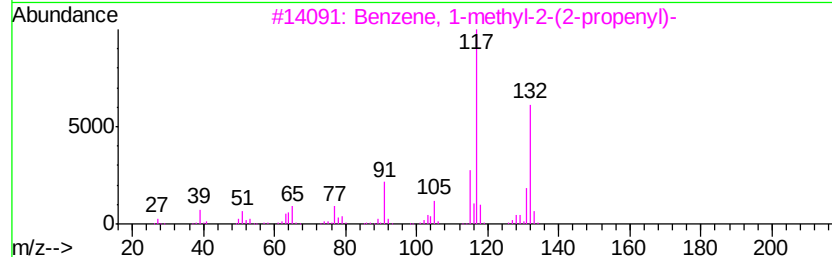
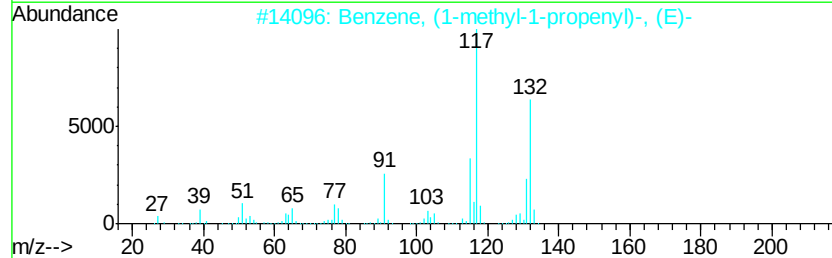
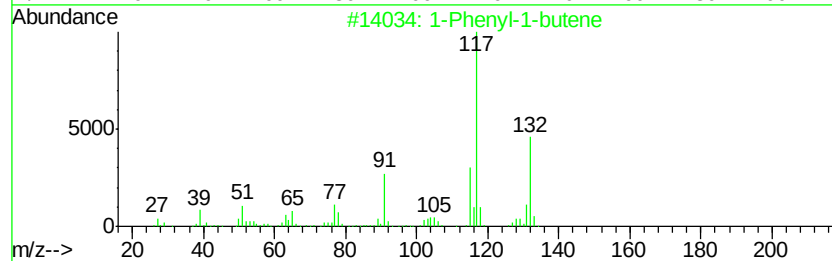
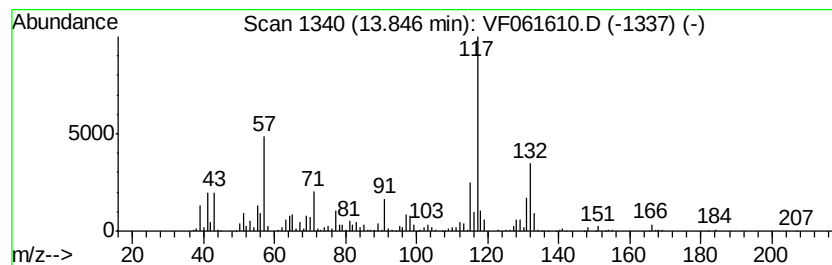
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	64.76 ug/l	921226	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
4		2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81



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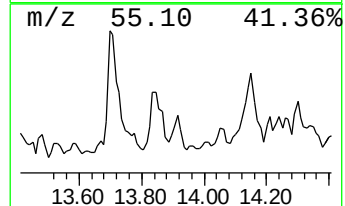
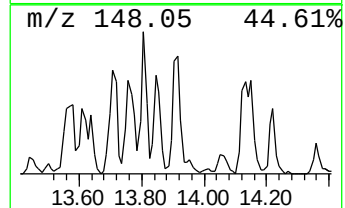
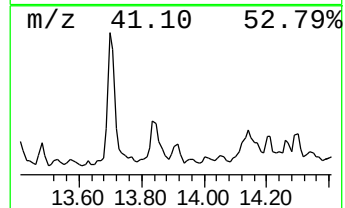
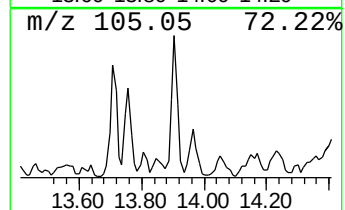
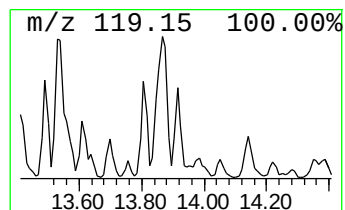
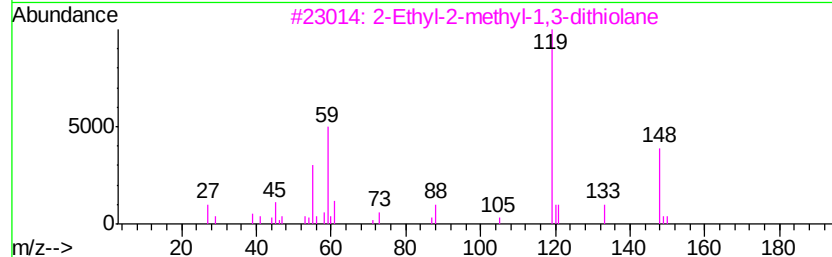
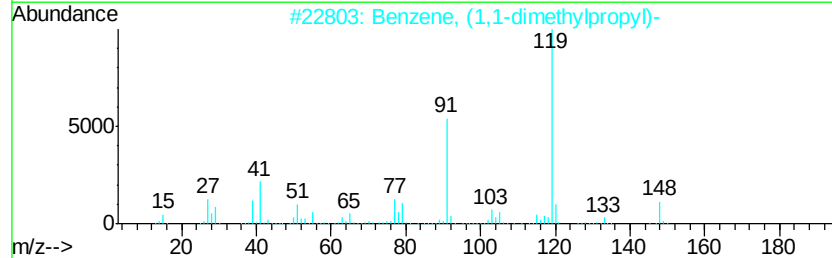
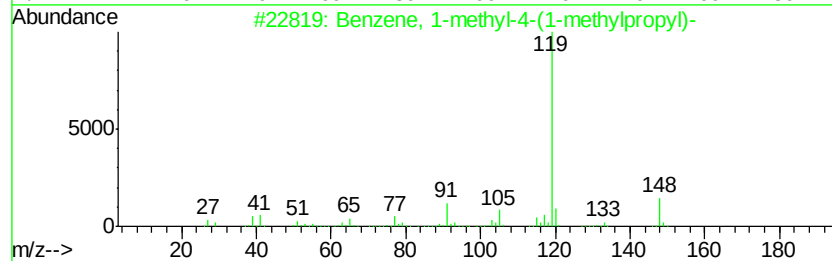
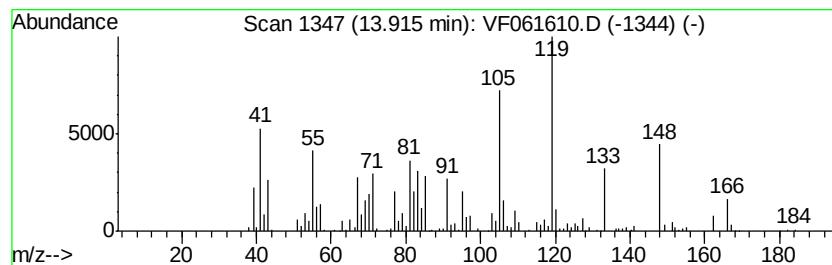
Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 4 unknown13.91 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	20.81 ug/l	296053	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0 47
2		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 43
3		2-Ethyl-2-methyl-1,3-dithiolane	148 C6H12S2	006008-81-7 43
4		Benzoic acid, 2,4-dimethyl-, (2,...	268 C18H20O2	055000-43-6 38
5		Disiloxane, 1,1,3,3-tetramethyl-	134 C4H14OSi2	003277-26-7 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061610.D
Acq On : 12 Feb 2019 15:49
Operator : VA/AP
Sample : K1343-07
Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

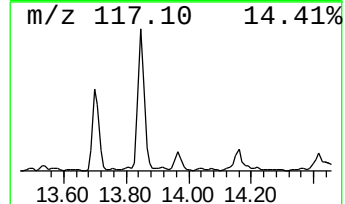
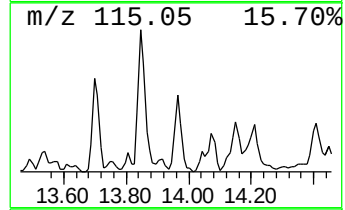
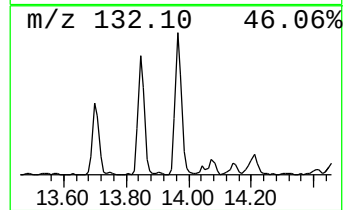
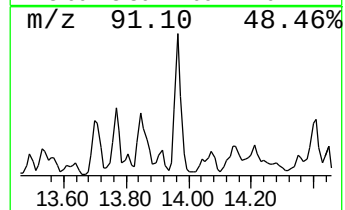
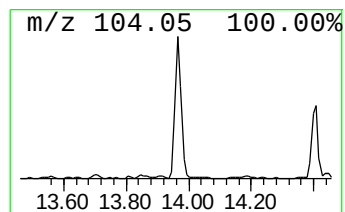
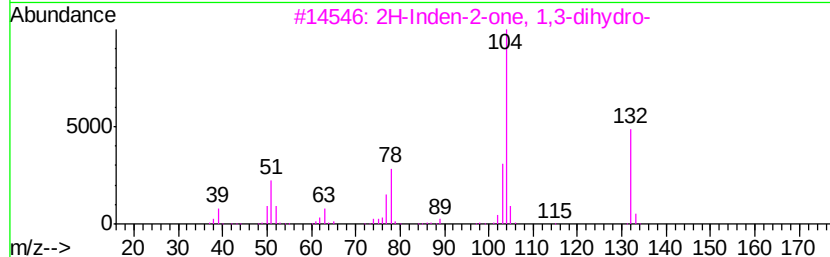
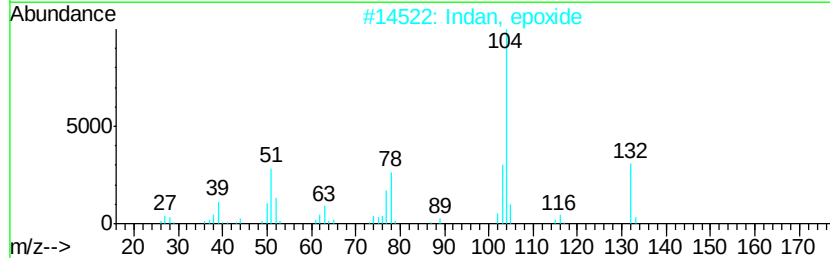
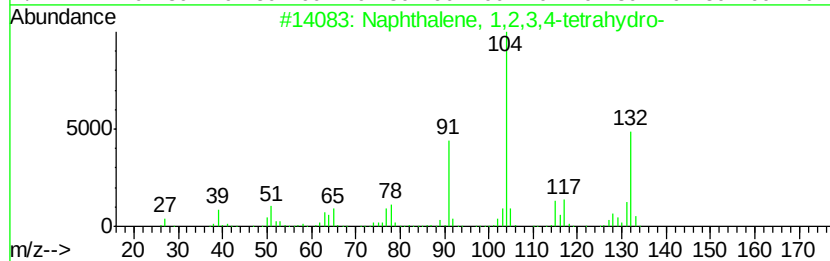
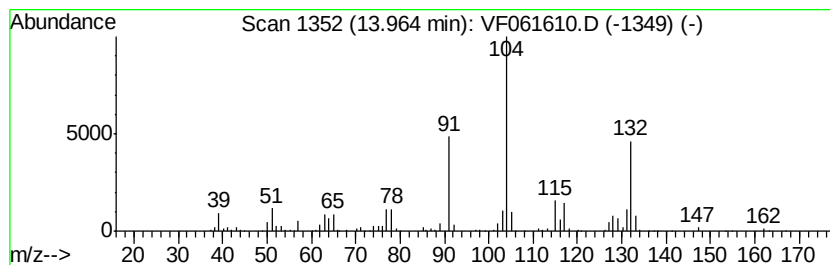
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	31.60 ug/l	449563	1,4-Dichlorobenzene-d4	12.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2		Indan, epoxide	132	C9H8O	000768-22-9	58
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4		2-Phehylethylamine, N,N-di(trifl...	313	C12H9F6N02	1000328-32-5	38
5		2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
 Data File : VF061610.D
 Acq On : 12 Feb 2019 15:49
 Operator : VA/AP
 Sample : K1343-07
 Misc : 7.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 JC-02-021119-D

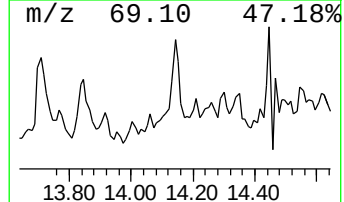
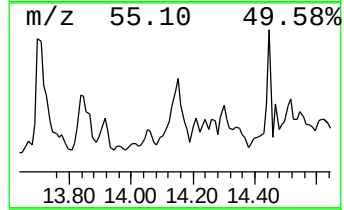
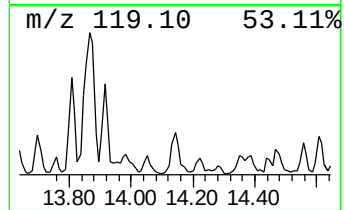
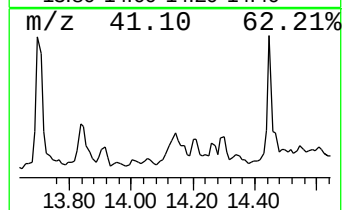
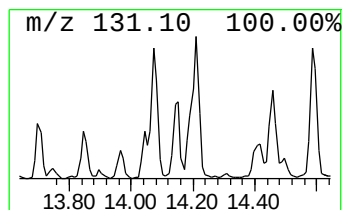
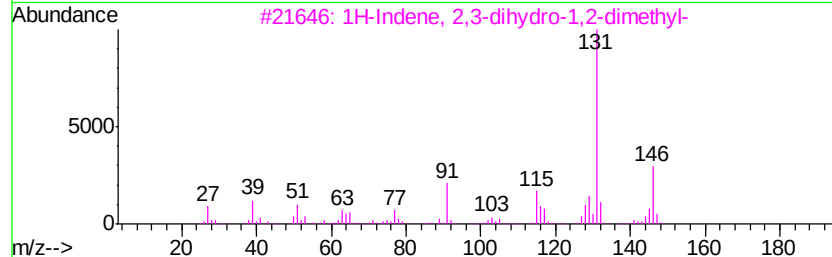
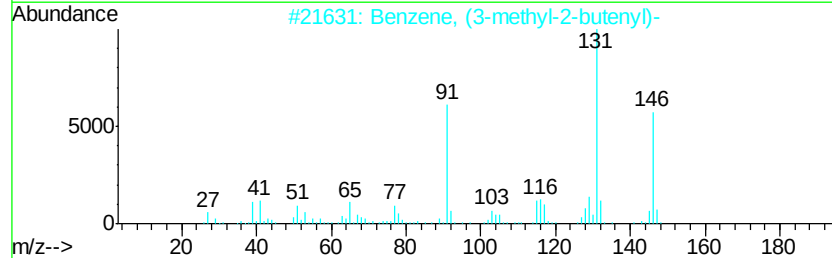
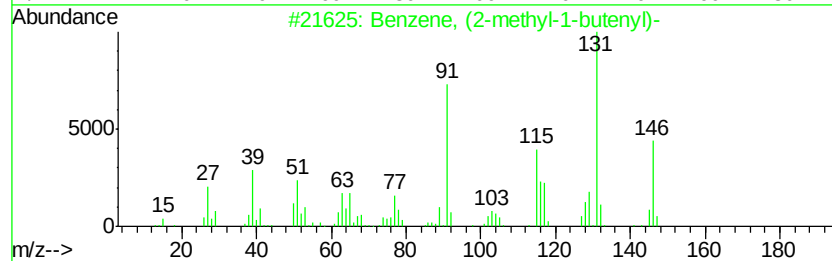
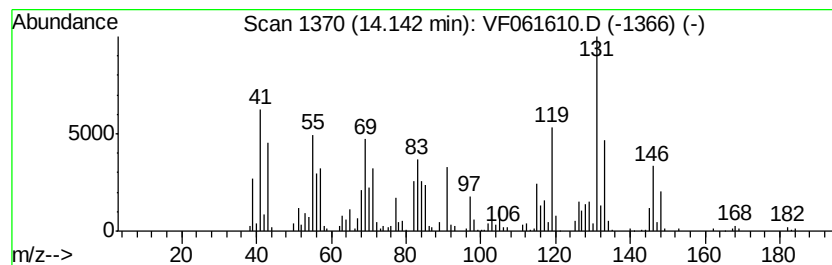
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 Quant Title : SW846 8260

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

 Peak Number 6 Benzene, (2-methyl-1-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	51.73 ug/l	735827	1,4-Dichlorobenzene-d4	12.54

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	89
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061610.D
Acq On : 12 Feb 2019 15:49
Operator : VA/AP
Sample : K1343-07
Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

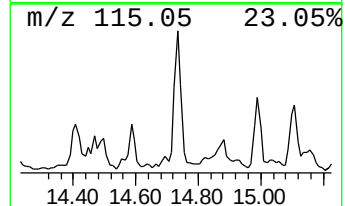
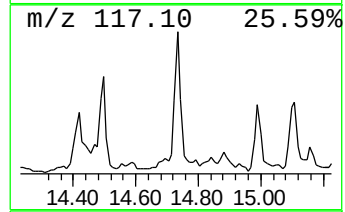
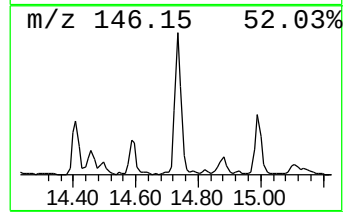
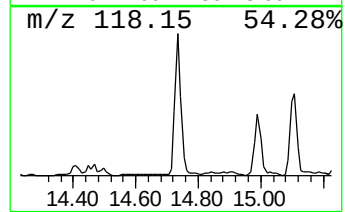
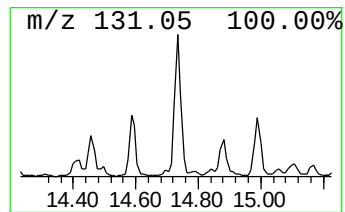
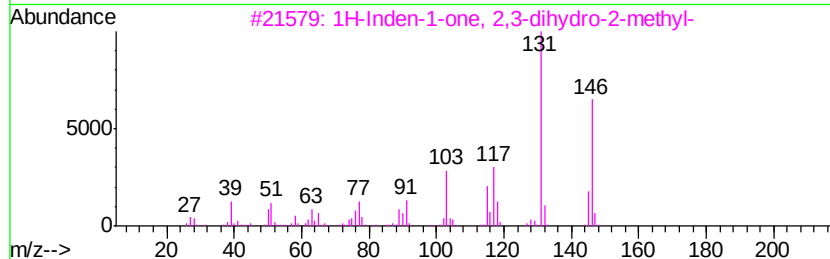
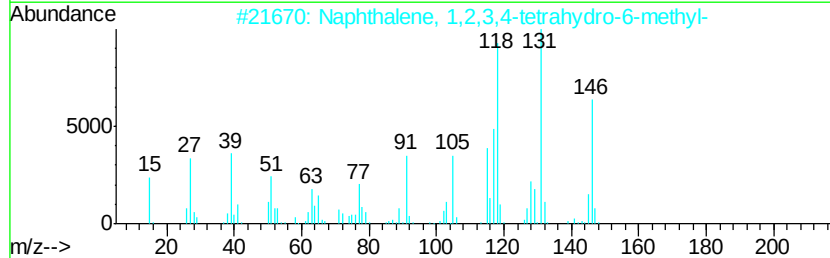
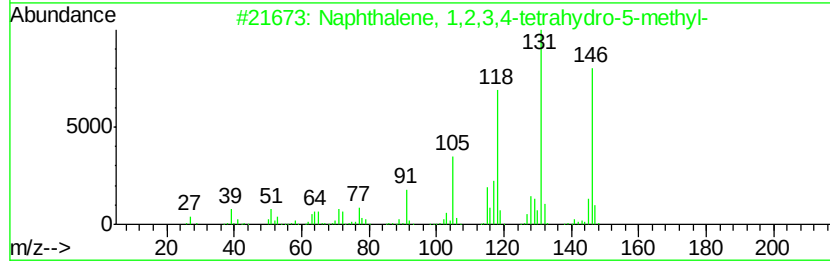
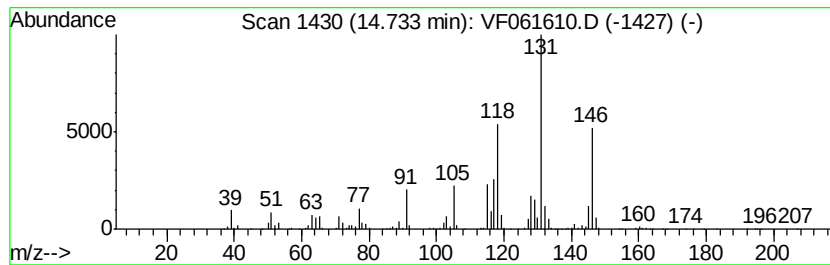
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	47.19 ug/l	671201	1,4-Dichlorobenzene-d4	12.54

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	95
3		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	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\VF021219\
Data File : VF061610.D
Acq On : 12 Feb 2019 15:49
Operator : VA/AP
Sample : K1343-07
Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

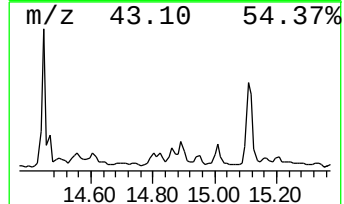
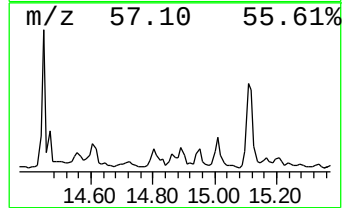
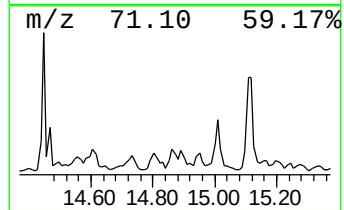
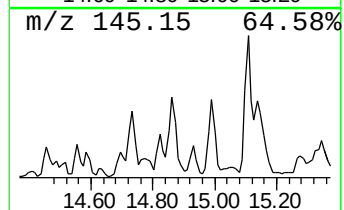
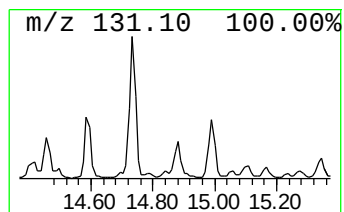
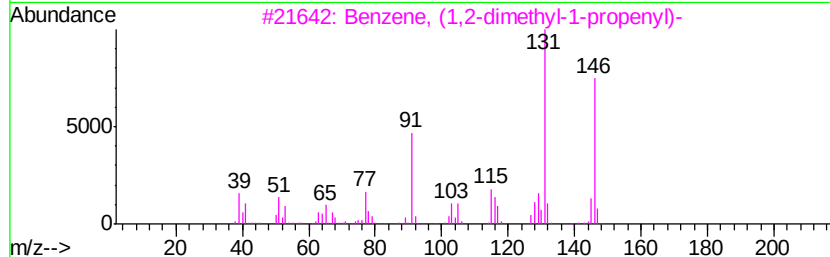
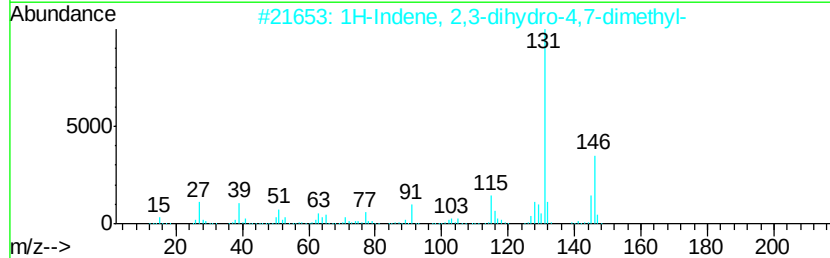
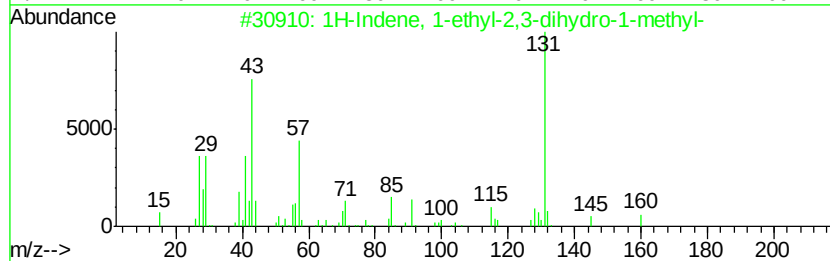
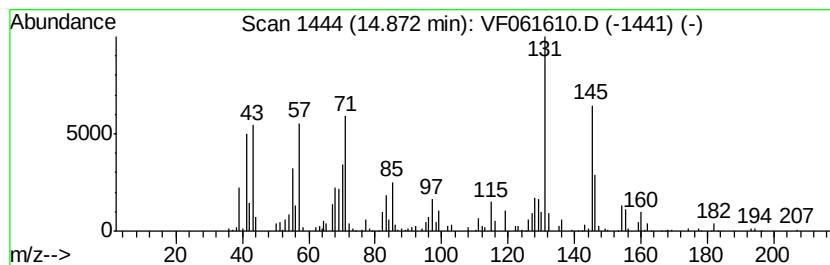
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 8 unknown14.87 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	22.27 ug/l	316796	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethyl-2,3-dihydro-1...	160	C12H16	056298-75-0	43
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	43
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	38
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061610.D
Acq On : 12 Feb 2019 15:49
Operator : VA/AP
Sample : K1343-07
Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

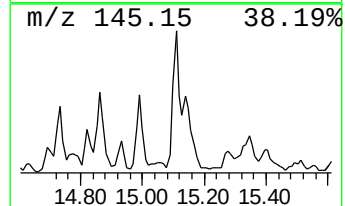
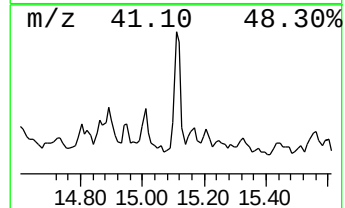
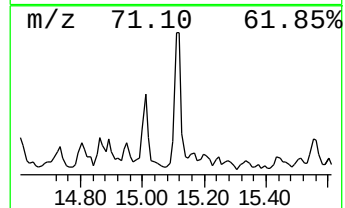
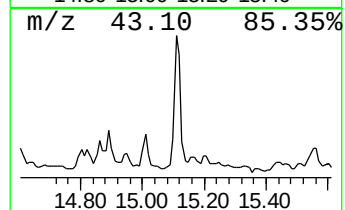
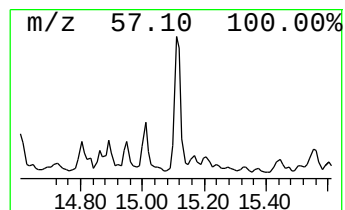
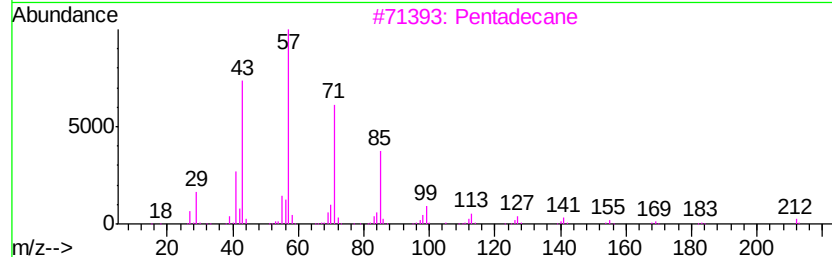
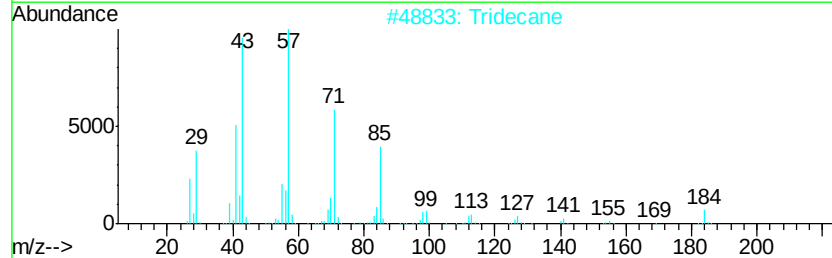
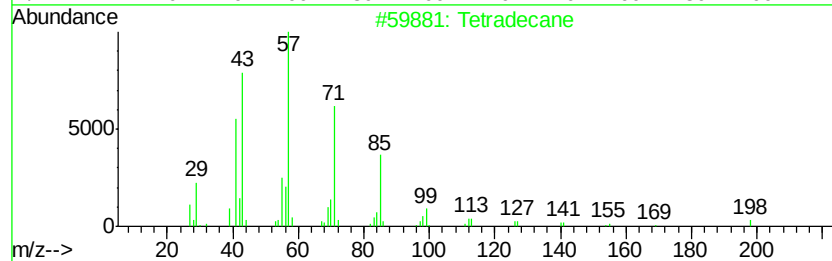
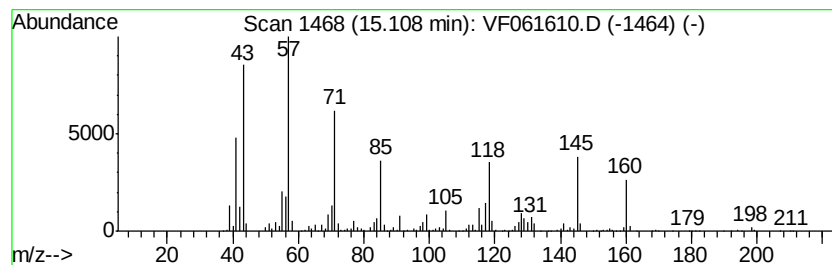
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 10 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	67.63 ug/l	962093	1,4-Dichlorobenzene-d4	12.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	94
2		Tridecane	184	C13H28	000629-50-5	38
3		Pentadecane	212	C15H32	000629-62-9	30
4		Nonane	128	C9H20	000111-84-2	30
5		Tritetracontane	605	C43H88	007098-21-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
Data File : VF061610.D
Acq On : 12 Feb 2019 15:49
Operator : VA/AP
Sample : K1343-07
Misc : 7.63g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.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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Dodecane	13.70	97.1	ug/l	1380610	4	12.54	711242	50.0
1-Phenyl-1-butene	13.85	64.8	ug/l	921226	4	12.54	711242	50.0
unknown13.91	13.91	20.8	ug/l	296053	4	12.54	711242	50.0
Naphthalene, 1,2,...	13.96	31.6	ug/l	449563	4	12.54	711242	50.0
Benzene, (2-methy...	14.14	51.7	ug/l	735827	4	12.54	711242	50.0
Naphthalene, 1,2,...	14.73	47.2	ug/l	671201	4	12.54	711242	50.0
unknown14.87	14.87	22.3	ug/l	316796	4	12.54	711242	50.0
Tetradecane	15.11	67.6	ug/l	962093	4	12.54	711242	50.0