

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061616.D
 Acq On : 12 Feb 2019 18:39
 Operator : VA/AP
 Sample : K1343-19
 Misc : 6.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

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	1.070	41	45	50	rBV3	6019	20350	2.10%	0.215%
2	2.175	154	157	159	rBV2	11590	21750	2.24%	0.230%
3	2.234	160	163	170	rVB2	23091	60860	6.28%	0.643%
4	3.063	245	247	257	rVB	7838	17217	1.78%	0.182%
5	4.020	338	344	347	rBV3	10492	37184	3.84%	0.393%
6	4.109	347	353	367	rVB	134934	418657	43.18%	4.422%
7	4.858	421	429	442	rBV2	276655	969545	100.00%	10.240%
8	5.598	497	504	516	rBV	322479	881274	90.90%	9.308%
9	7.551	695	702	707	rBV	379517	879888	90.75%	9.293%
10	7.620	707	709	714	rVB	20105	40026	4.13%	0.423%
11	9.771	922	927	938	rBV	400032	918019	94.69%	9.696%
12	9.899	938	940	946	rVB2	4895	10315	1.06%	0.109%
13	10.126	959	963	968	rVB	8677	18134	1.87%	0.192%
14	10.708	1019	1022	1025	rVB3	7023	12994	1.34%	0.137%
15	11.408	1089	1093	1105	rBV	366877	624509	64.41%	6.596%
16	11.576	1109	1110	1113	rVV	27069	25109	2.59%	0.265%
17	11.615	1113	1114	1116	rVV	87585	57302	5.91%	0.605%
18	11.655	1116	1118	1120	rVV2	7465	11169	1.15%	0.118%
19	11.714	1120	1124	1131	rVB	13273	30008	3.10%	0.317%
20	11.822	1132	1135	1138	rVB2	8881	13774	1.42%	0.145%
21	12.020	1147	1155	1158	rVB2	11637	22558	2.33%	0.238%
22	12.207	1170	1174	1177	rVB	38081	60758	6.27%	0.642%
23	12.424	1193	1196	1198	rBV3	8132	12717	1.31%	0.134%
24	12.552	1205	1209	1213	rBV	554151	928314	95.75%	9.804%
25	12.602	1213	1214	1218	rVB	35934	50690	5.23%	0.535%
26	12.720	1223	1226	1229	rBV2	23988	41691	4.30%	0.440%
27	12.769	1229	1231	1233	rBV	18009	23541	2.43%	0.249%
28	12.819	1233	1236	1242	rVB4	35589	97925	10.10%	1.034%
29	12.927	1244	1247	1249	rBV2	7358	12957	1.34%	0.137%
30	13.006	1252	1255	1259	rVB	21974	33535	3.46%	0.354%
31	13.095	1259	1264	1267	rBV2	32764	80966	8.35%	0.855%
32	13.154	1267	1270	1273	rBV2	34578	61667	6.36%	0.651%
33	13.223	1275	1277	1282	rVB2	22984	45577	4.70%	0.481%
34	13.302	1282	1285	1287	rVB4	7142	13028	1.34%	0.138%

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35	13.381	1291	1293	1295	rVB2	12120	13807	1.42%	0.146%
36	13.420	1295	1297	1301	rVB	21974	31249	3.22%	0.330%
37	13.489	1301	1304	1307	rBV2	29944	44657	4.61%	0.472%
38	13.539	1307	1309	1311	rBV	46423	60884	6.28%	0.643%
39	13.578	1311	1313	1315	rVB2	16770	21622	2.23%	0.228%
40	13.618	1315	1317	1322	rVB2	9696	23233	2.40%	0.245%
41	13.706	1322	1326	1329	rBV2	157905	229641	23.69%	2.425%
42	13.756	1329	1331	1334	rVB4	22573	40337	4.16%	0.426%
43	13.815	1334	1337	1338	rBV2	20571	30474	3.14%	0.322%
44	13.854	1338	1341	1345	rBV2	157989	268368	27.68%	2.834%
45	13.914	1345	1347	1350	rVB2	31354	45675	4.71%	0.482%
46	13.973	1350	1353	1356	rVB	121822	174950	18.04%	1.848%
47	14.052	1358	1361	1362	rBV2	23113	34840	3.59%	0.368%
48	14.081	1362	1364	1366	rVB	38465	49201	5.07%	0.520%
49	14.150	1366	1371	1374	rBV4	68307	149716	15.44%	1.581%
50	14.219	1374	1378	1382	rVB2	58616	117950	12.17%	1.246%
51	14.298	1384	1386	1388	rVB3	14148	13719	1.41%	0.145%
52	14.367	1390	1393	1394	rBV3	8904	13653	1.41%	0.144%
53	14.407	1394	1397	1400	rBV2	68952	122784	12.66%	1.297%
54	14.456	1400	1402	1405	rBV2	104341	130075	13.42%	1.374%
55	14.565	1410	1413	1414	rVV3	16539	23294	2.40%	0.246%
56	14.594	1414	1416	1420	rVB2	61881	83212	8.58%	0.879%
57	14.742	1427	1431	1435	rVB	206628	312140	32.19%	3.297%
58	14.821	1437	1439	1441	rBV3	9612	17281	1.78%	0.183%
59	14.880	1441	1445	1450	rVB5	32079	85503	8.82%	0.903%
60	14.999	1454	1457	1462	rBV2	110576	190025	19.60%	2.007%
61	15.107	1465	1468	1471	rBV2	107381	187173	19.31%	1.977%
62	15.245	1479	1482	1483	rBV3	5587	10113	1.04%	0.107%
63	15.285	1483	1486	1488	rVV	34346	55388	5.71%	0.585%
64	15.344	1488	1492	1495	rVV2	37325	83558	8.62%	0.882%
65	15.403	1495	1498	1505	rVB2	21349	42472	4.38%	0.449%
66	15.522	1508	1510	1513	rVV3	7401	12533	1.29%	0.132%
67	15.640	1517	1522	1527	rVB	46953	96265	9.93%	1.017%
68	15.719	1527	1530	1534	rBV4	7063	15182	1.57%	0.160%
69	15.788	1534	1537	1539	rBV3	9686	15844	1.63%	0.167%
70	15.827	1539	1541	1544	rVB4	7960	12212	1.26%	0.129%
71	15.936	1550	1552	1555	rBV4	7808	18103	1.87%	0.191%

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72	15.995	1556	1558	1566	rVB7	14266	37236	3.84%	0.393%
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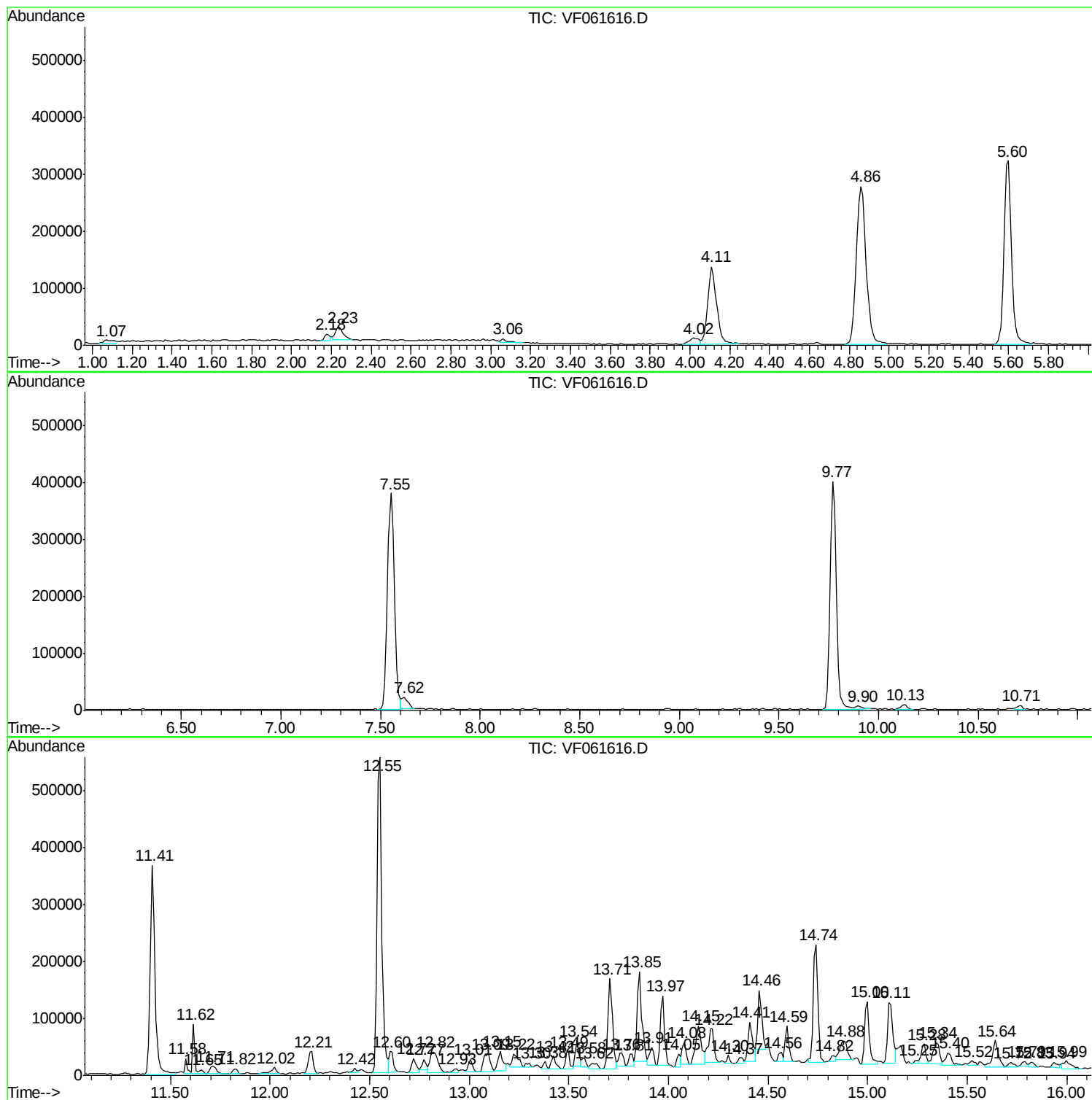
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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



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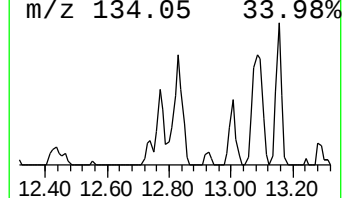
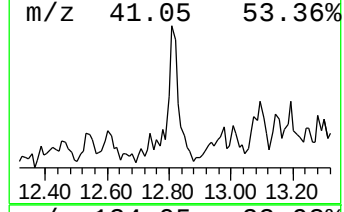
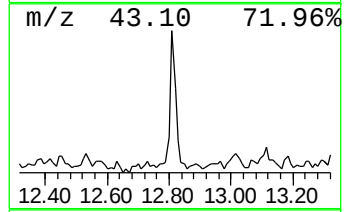
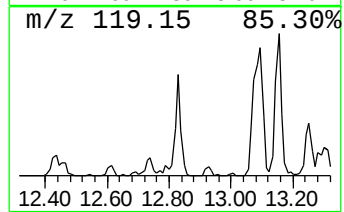
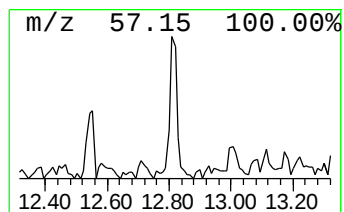
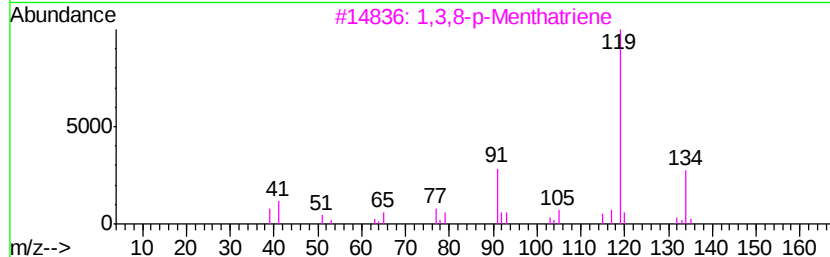
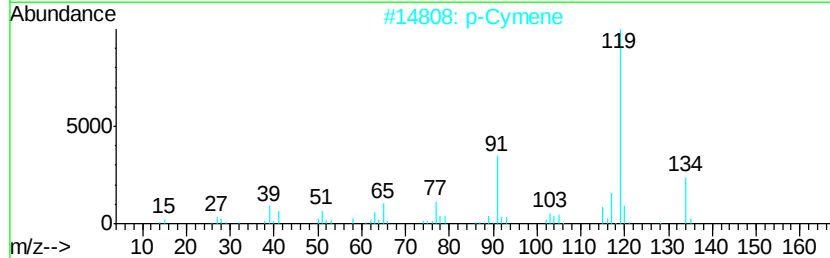
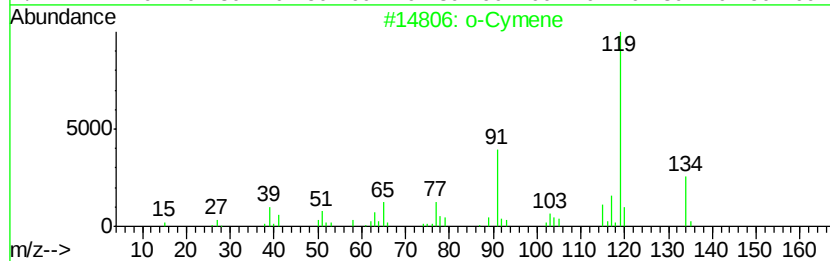
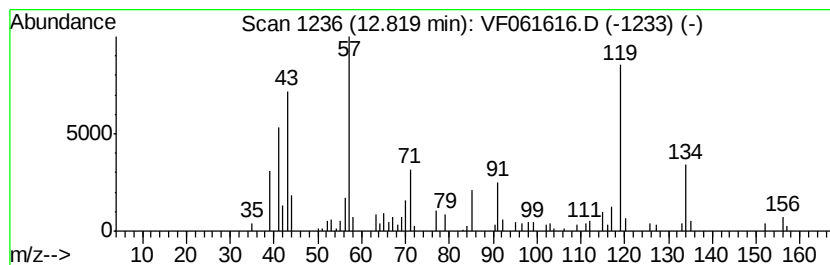
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 1 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	5.27 ug/l	97925	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	60
2		p-Cymene	134	C10H14	000099-87-6	60
3		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	53
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	53
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	49



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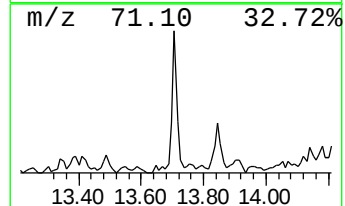
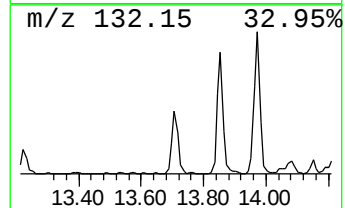
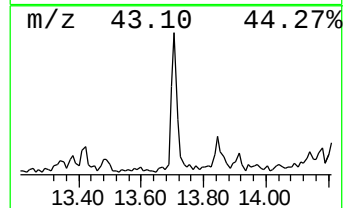
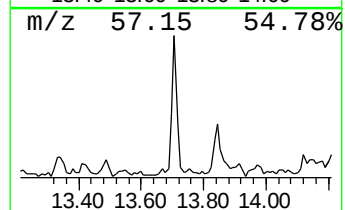
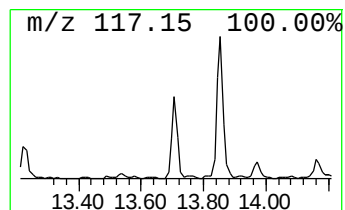
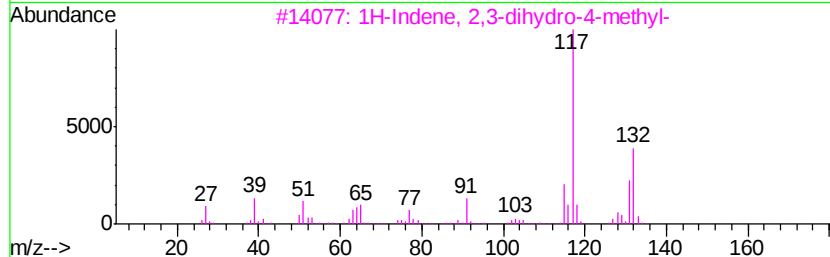
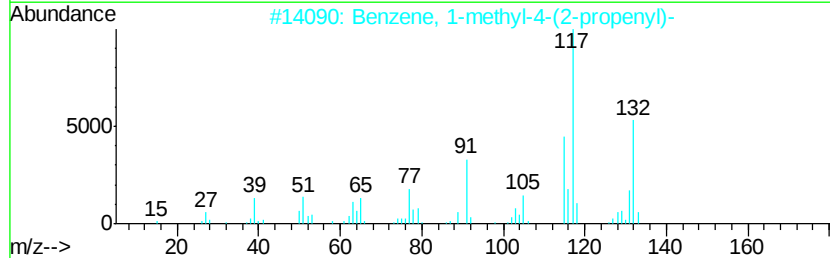
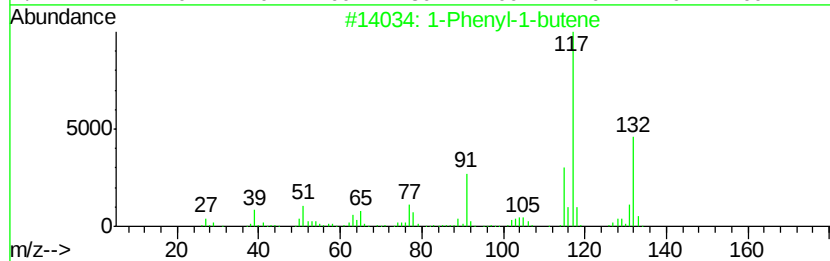
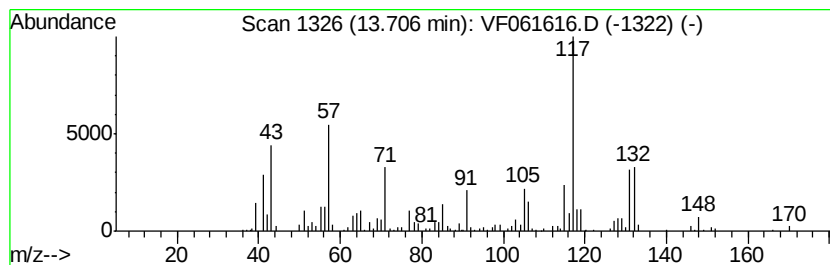
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260

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

Peak Number 2 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	12.37 ug/l	229641	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	92
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70



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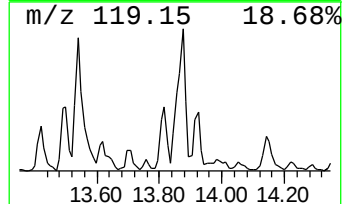
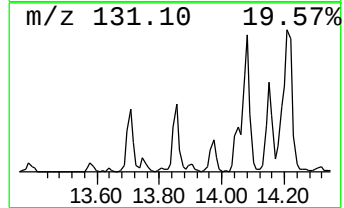
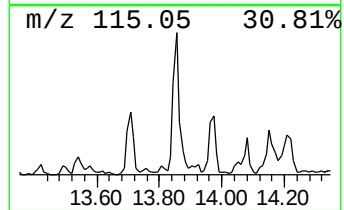
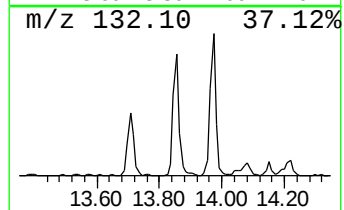
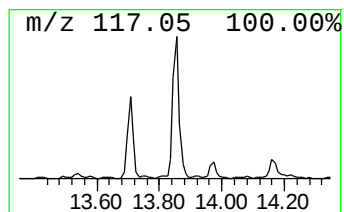
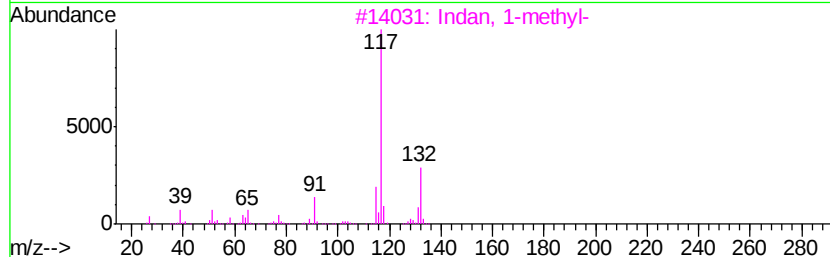
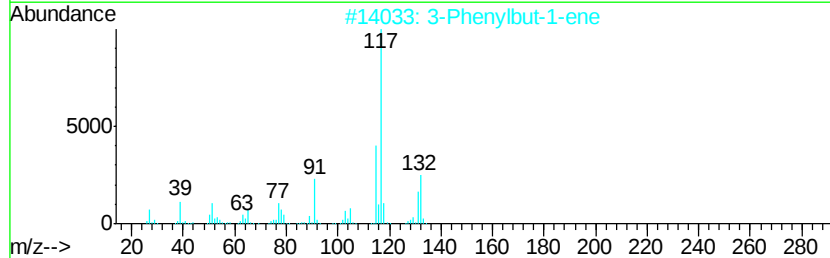
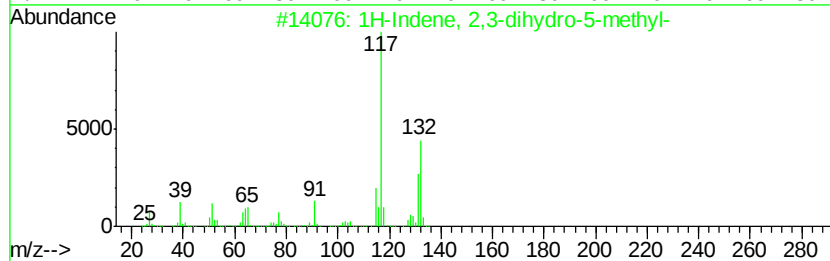
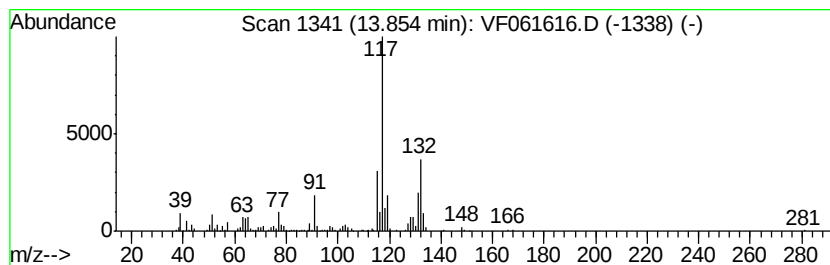
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	14.45 ug/l	268368	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3		Indan, 1-methyl-	132	C10H12	000767-58-8	81
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	81
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81



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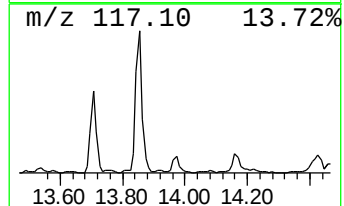
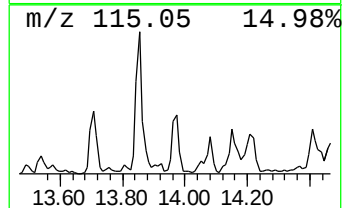
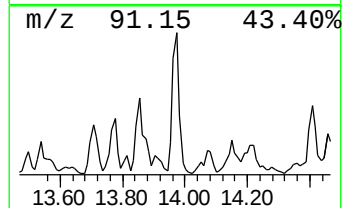
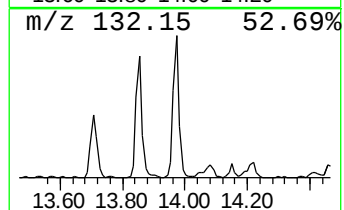
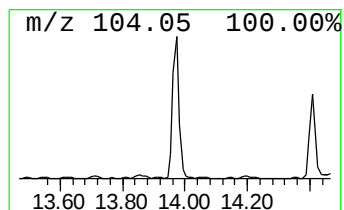
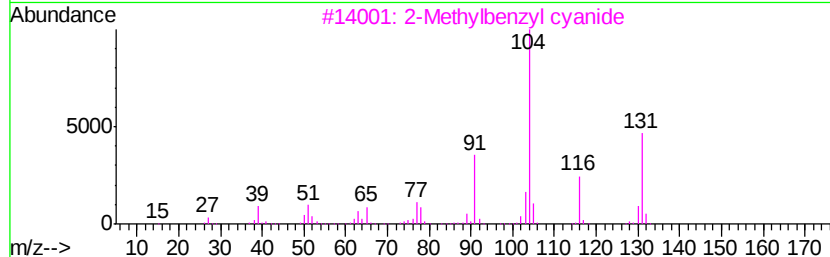
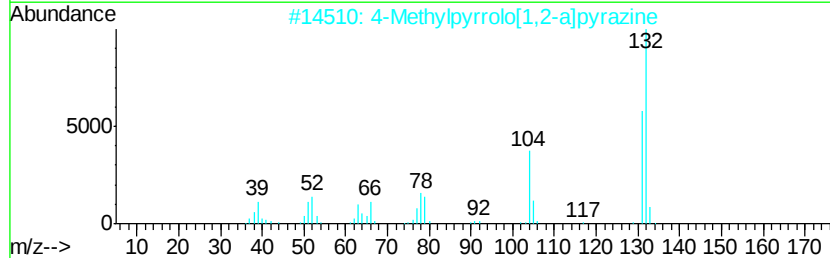
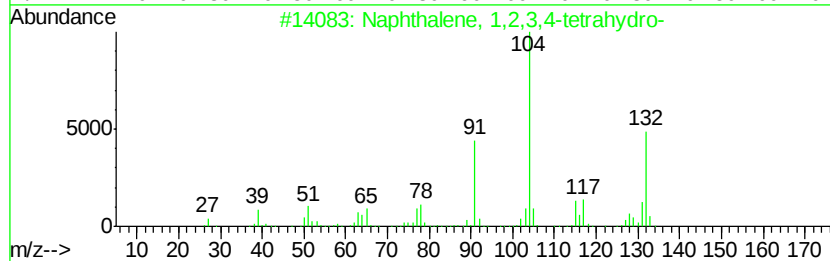
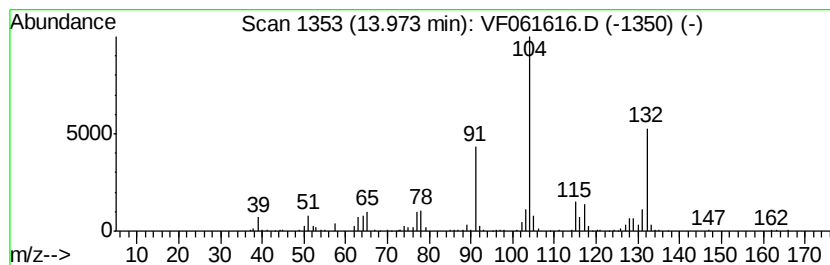
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Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	9.42 ug/l	174950	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
2		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	50
3		2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	43
4		Benzene, 4-hexenyl-	160	C12H16	023086-43-3	38
5		Styrene	104	C8H8	000100-42-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61a/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

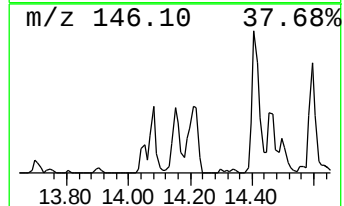
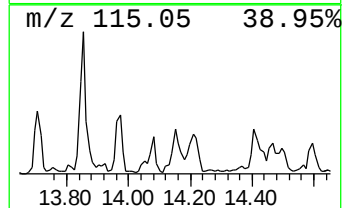
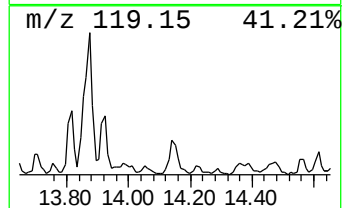
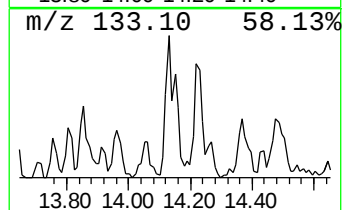
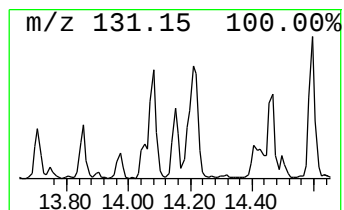
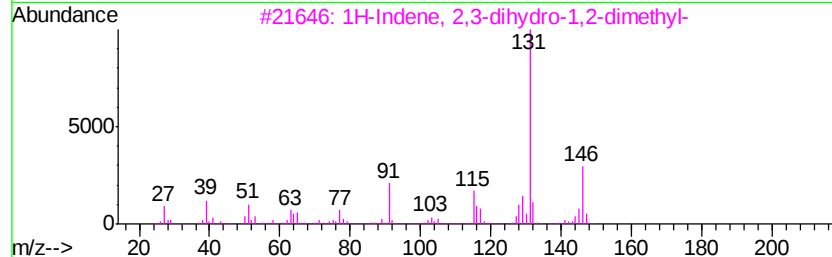
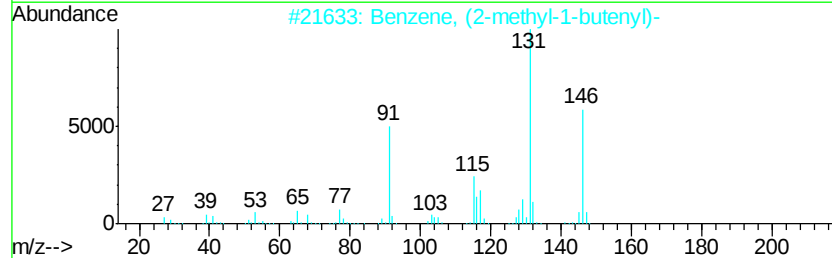
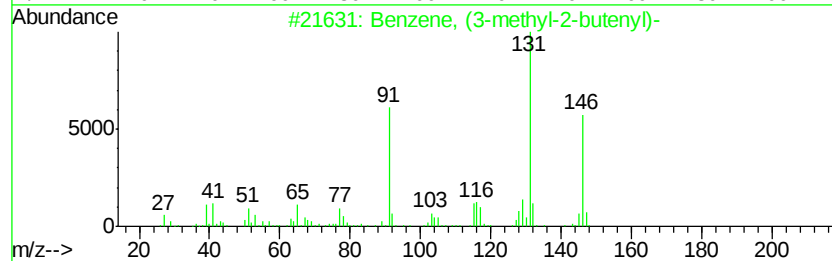
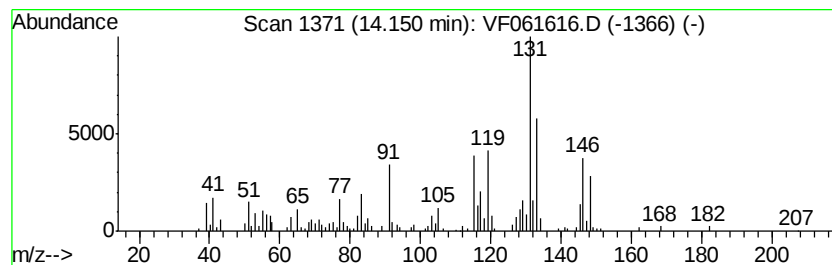
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	8.06 ug/l	149716	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	78
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61a/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

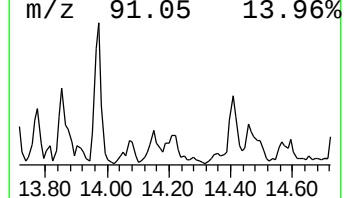
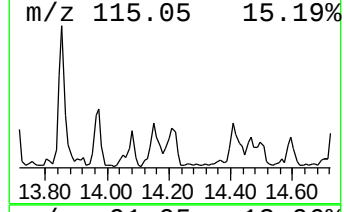
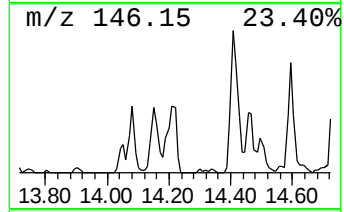
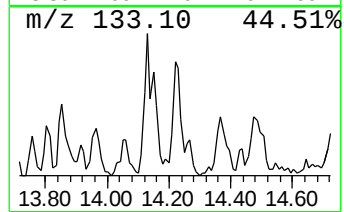
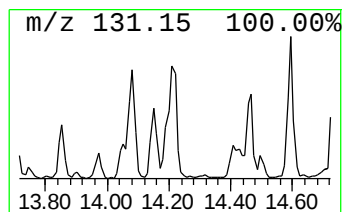
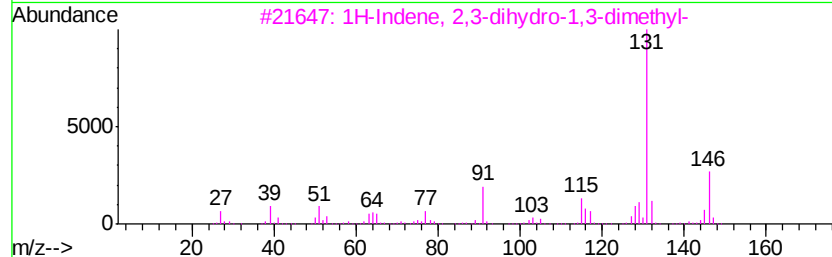
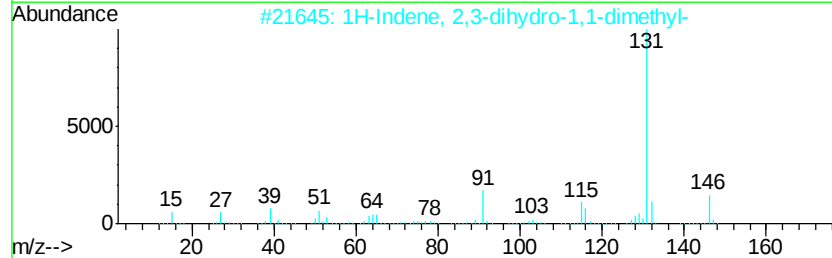
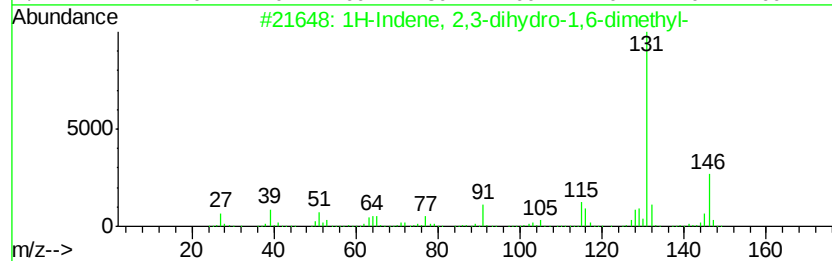
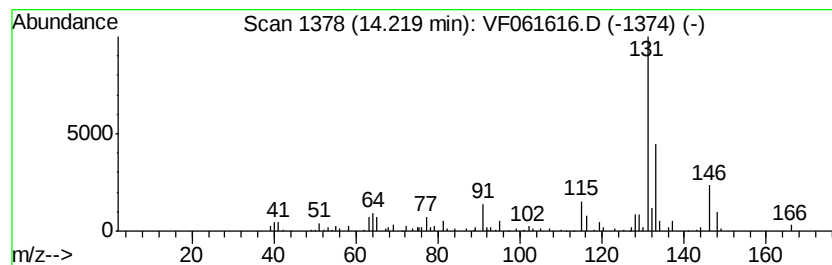
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	6.35 ug/l	117950	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		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61a/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

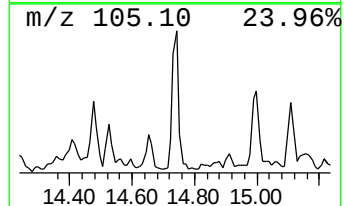
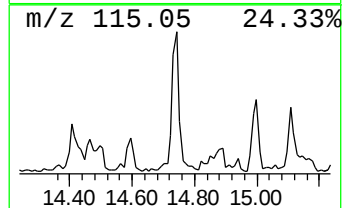
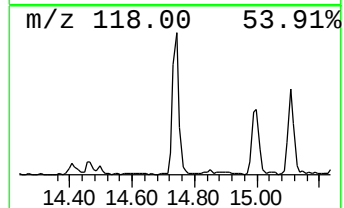
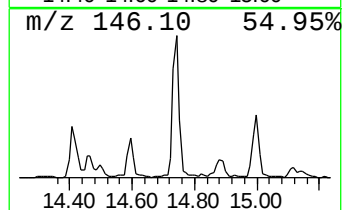
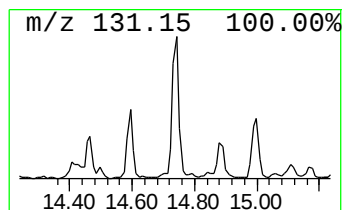
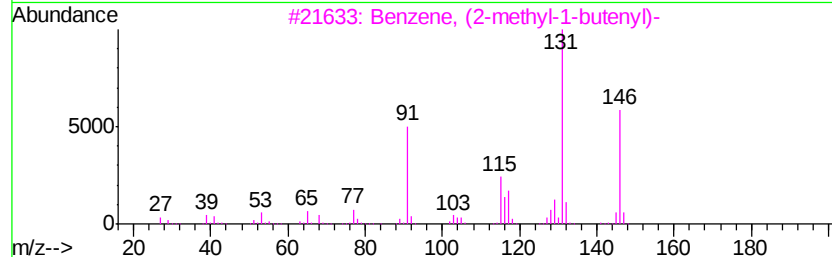
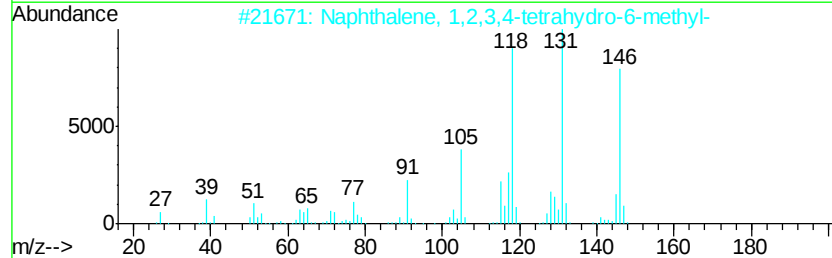
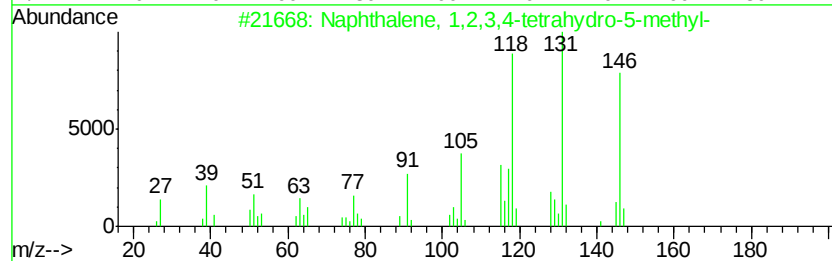
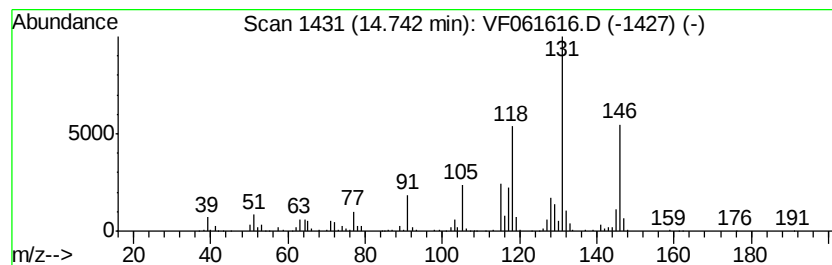
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	16.81 ug/l	312140	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3		Benzene, (2-methyl-1-butenvl)-	146	C11H14	056253-64-6	89
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61a/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

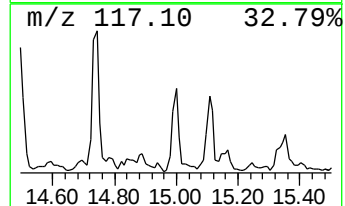
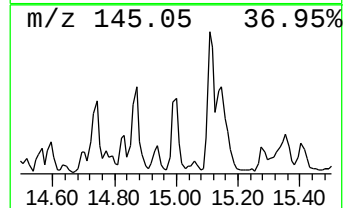
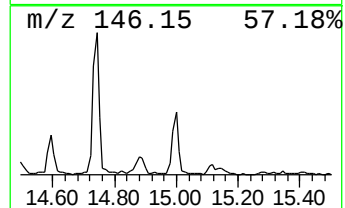
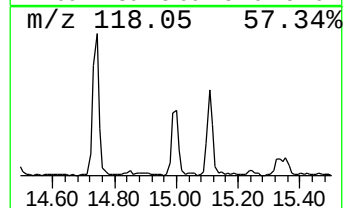
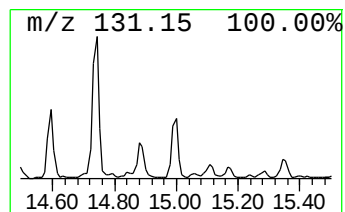
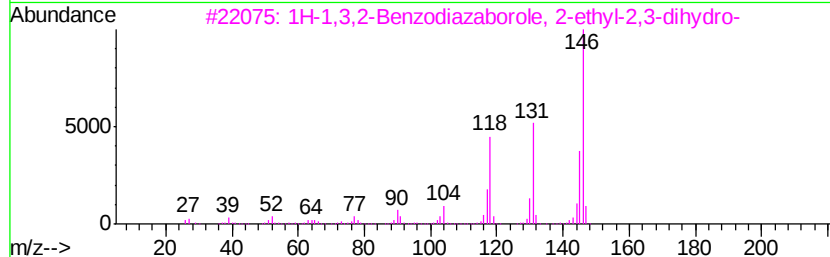
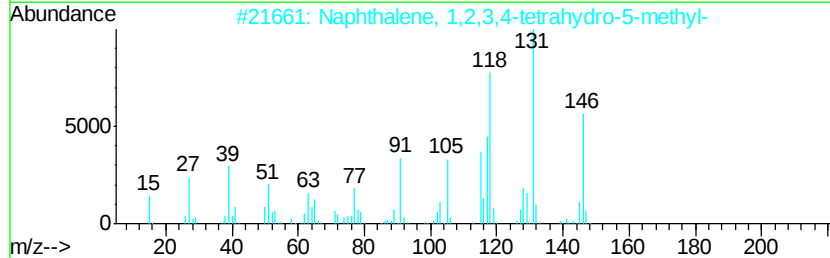
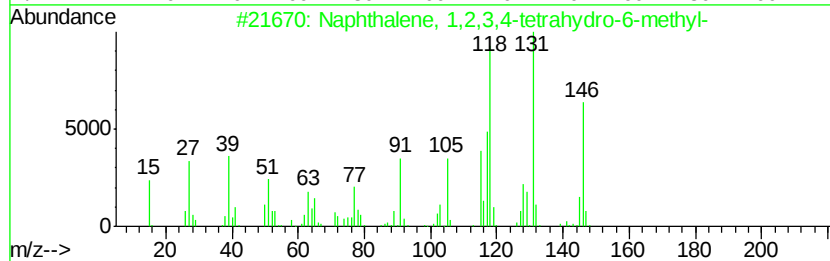
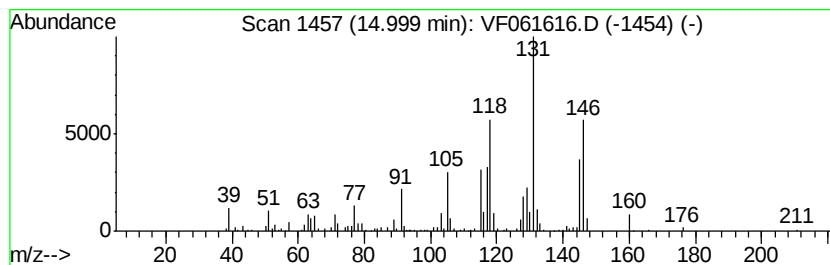
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ClientSampleId :
JC-02-021119-J

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 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	10.24 ug/l	190025	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 91
3		1H-1,3,2-Benzodiazaborole, 2-eth...	146 C8H11BN2	074663-81-3 83
4		Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5 70
5		2-Propenal, 3-(4-methylphenyl)-	146 C10H10O	001504-75-2 70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

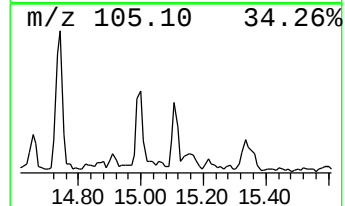
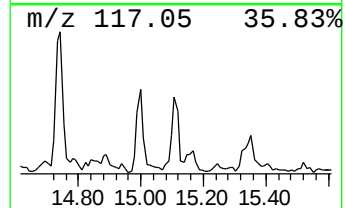
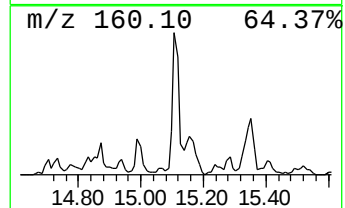
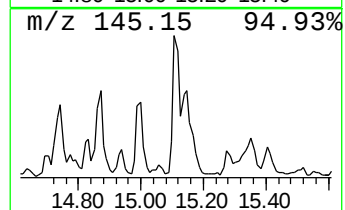
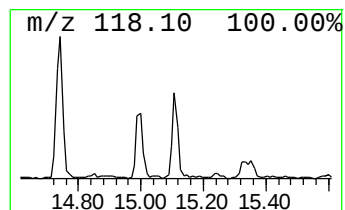
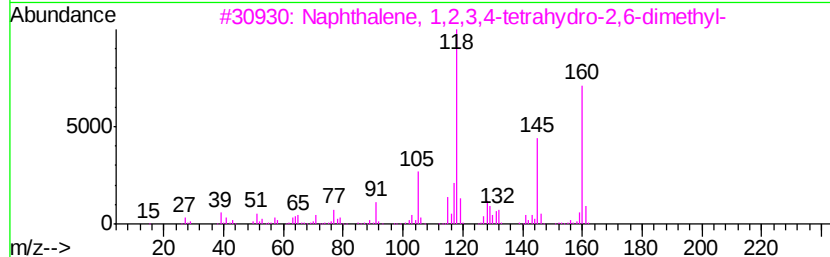
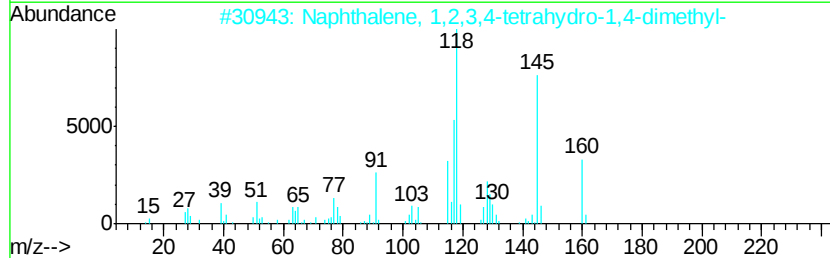
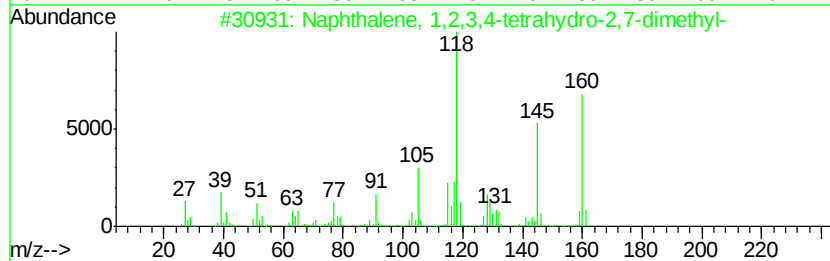
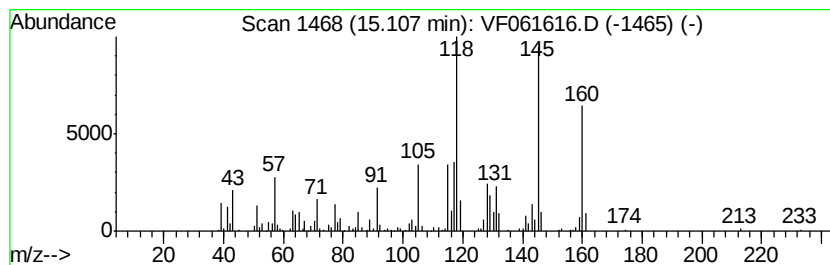
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ClientSampleId :
JC-02-021119-J

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 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	10.08 ug/l	187173	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 87
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	007524-63-2 70
4		Benzene, 1-(1-methylethenyl)-3-(...	160 C12H16	001129-29-9 60
5		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

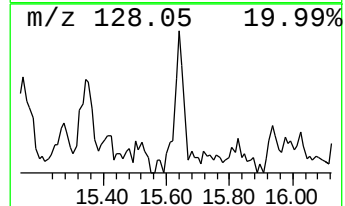
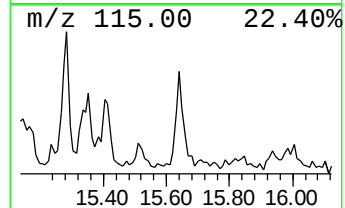
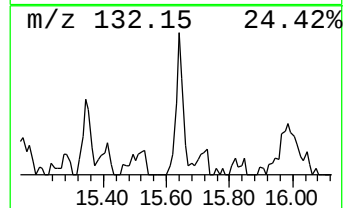
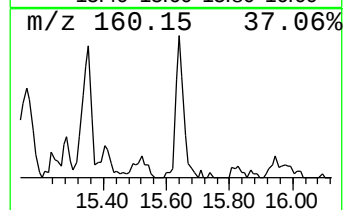
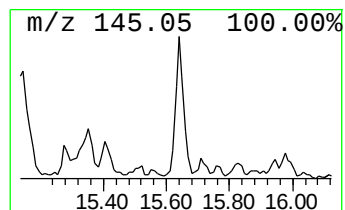
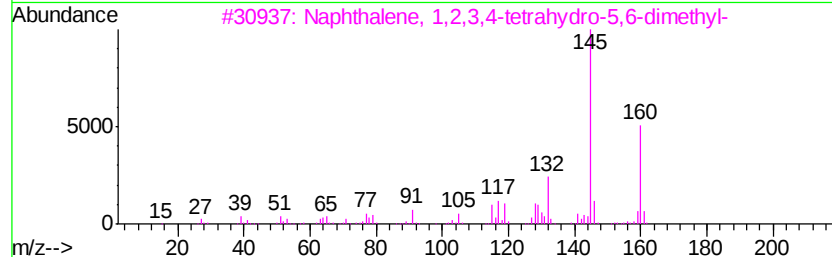
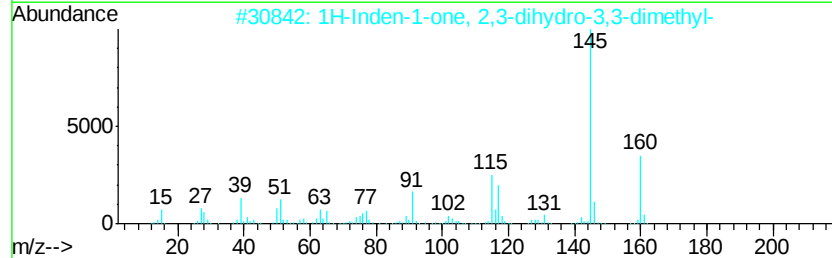
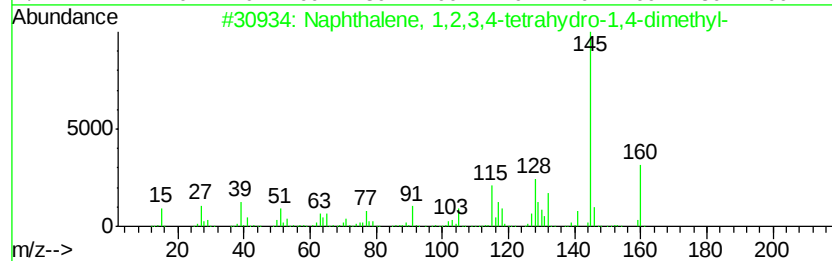
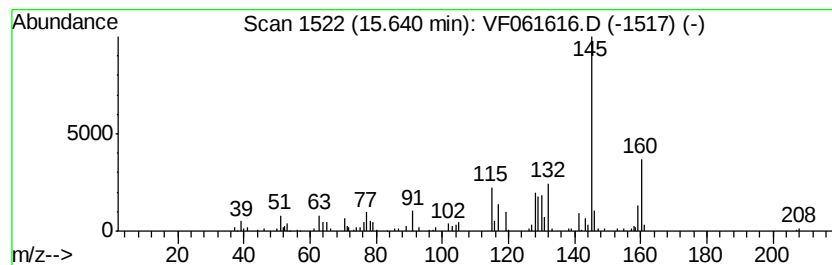
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	5.18 ug/l	96265	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	90
2		1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	87
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	81
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	81
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
Data File : VF061616.D
Acq On : 12 Feb 2019 18:39
Operator : VA/AP
Sample : K1343-19
Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

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
o-Cymene	12.82	5.3	ug/l	97925	4	12.55	928314	50.0
1-Phenyl-1-butene	13.71	12.4	ug/l	229641	4	12.55	928314	50.0
1H-Indene, 2,3-di...	13.85	14.4	ug/l	268368	4	12.55	928314	50.0
Naphthalene, 1,2,...	13.97	9.4	ug/l	174950	4	12.55	928314	50.0
Benzene, (3-methy...	14.15	8.1	ug/l	149716	4	12.55	928314	50.0
1H-Indene, 2,3-di...	14.22	6.3	ug/l	117950	4	12.55	928314	50.0
Naphthalene, 1,2,...	14.74	16.8	ug/l	312140	4	12.55	928314	50.0
Naphthalene, 1,2,...	15.00	10.2	ug/l	190025	4	12.55	928314	50.0
Naphthalene, 1,2,...	15.11	10.1	ug/l	187173	4	12.55	928314	50.0
Naphthalene, 1,2,...	15.64	5.2	ug/l	96265	4	12.55	928314	50.0