

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061699.D
 Acq On : 21 Feb 2019 15:42
 Operator : VA/AP
 Sample : K1344-05
 Misc : 5.18g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-022019-A

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\82F021319S.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	1.073	41	45	54	rBV2	17678	39058	2.70%	0.291%
2	2.187	154	158	161	rBV2	14130	30887	2.14%	0.230%
3	2.246	161	164	173	rVV3	21313	80293	5.55%	0.598%
4	2.384	173	178	184	rVB2	16748	43682	3.02%	0.325%
5	4.021	337	344	348	rBV	29201	104592	7.23%	0.779%
6	4.120	348	354	364	rVB2	201513	626588	43.34%	4.665%
7	4.425	374	385	397	rVB	25219	114370	7.91%	0.852%
8	4.869	421	430	444	rBV2	396264	1355533	93.75%	10.092%
9	5.609	497	505	520	rBV	458495	1260598	87.19%	9.386%
10	7.561	697	703	714	rBV	549473	1313415	90.84%	9.779%
11	8.222	764	770	774	rBV3	5639	16593	1.15%	0.124%
12	9.780	922	928	937	rBV	606544	1320118	91.30%	9.829%
13	9.898	937	940	946	rVB2	9988	24465	1.69%	0.182%
14	10.135	960	964	970	rBV	24175	50658	3.50%	0.377%
15	10.716	1020	1023	1028	rVB	34636	59561	4.12%	0.443%
16	11.131	1061	1065	1071	rBV4	7223	16903	1.17%	0.126%
17	11.416	1090	1094	1104	rBV	558209	963199	66.62%	7.171%
18	11.564	1105	1109	1110	rVV2	25006	43740	3.03%	0.326%
19	11.594	1110	1112	1116	rVV	21133	37934	2.62%	0.282%
20	11.663	1116	1119	1121	rVV	13029	19812	1.37%	0.148%
21	11.712	1121	1124	1129	rVV	80398	153412	10.61%	1.142%
22	11.831	1132	1136	1139	rVB	38428	61092	4.23%	0.455%
23	12.028	1150	1156	1159	rVB	49687	87446	6.05%	0.651%
24	12.205	1171	1174	1178	rVB	151288	207151	14.33%	1.542%
25	12.304	1181	1184	1189	rVB	11778	23014	1.59%	0.171%
26	12.432	1194	1197	1198	rVV2	20322	27593	1.91%	0.205%
27	12.462	1198	1200	1205	rVB2	18692	27402	1.90%	0.204%
28	12.551	1205	1209	1213	rBV	954439	1445841	100.00%	10.765%
29	12.610	1213	1215	1219	rVV	110119	158121	10.94%	1.177%
30	12.718	1223	1226	1230	rVV2	79245	145914	10.09%	1.086%
31	12.777	1230	1232	1234	rVV	41624	70227	4.86%	0.523%
32	12.827	1234	1237	1242	rVB3	55774	145846	10.09%	1.086%
33	12.935	1245	1248	1253	rBV3	14501	30498	2.11%	0.227%
34	13.004	1253	1255	1260	rVB	42678	65043	4.50%	0.484%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	13.093	1260	1264	1268	rBV	54108	132016	9.13%	0.983%
36	13.152	1268	1270	1276	rVV2	58346	129503	8.96%	0.964%
37	13.231	1276	1278	1282	rVV2	58579	111725	7.73%	0.832%
38	13.290	1282	1284	1288	rVV3	24080	47838	3.31%	0.356%
39	13.379	1291	1293	1295	rVV2	11915	15107	1.04%	0.112%
40	13.418	1295	1297	1302	rVB	28693	46949	3.25%	0.350%
41	13.497	1302	1305	1307	rBV2	41235	53473	3.70%	0.398%
42	13.537	1307	1309	1312	rVV	51830	85250	5.90%	0.635%
43	13.576	1312	1313	1316	rVV2	21901	26368	1.82%	0.196%
44	13.635	1316	1319	1323	rVB4	10612	22795	1.58%	0.170%
45	13.704	1323	1326	1330	rBV2	122733	202828	14.03%	1.510%
46	13.763	1330	1332	1335	rVV2	18522	28326	1.96%	0.211%
47	13.813	1335	1337	1338	rVV	24880	28380	1.96%	0.211%
48	13.852	1338	1341	1346	rVV2	204593	367719	25.43%	2.738%
49	13.911	1346	1347	1350	rVB2	26504	38796	2.68%	0.289%
50	13.970	1350	1353	1359	rVB	162809	224955	15.56%	1.675%
51	14.049	1359	1361	1362	rBV2	18067	23952	1.66%	0.178%
52	14.079	1362	1364	1367	rVB	42863	59407	4.11%	0.442%
53	14.158	1367	1372	1374	rBV4	57398	131108	9.07%	0.976%
54	14.217	1374	1378	1385	rVV2	65320	141146	9.76%	1.051%
55	14.414	1395	1398	1401	rBV2	55771	106890	7.39%	0.796%
56	14.463	1401	1403	1405	rVV	83392	118621	8.20%	0.883%
57	14.503	1405	1407	1411	rVB2	30439	49792	3.44%	0.371%
58	14.562	1411	1413	1414	rBV2	13556	18141	1.25%	0.135%
59	14.592	1414	1416	1419	rVB	44752	60950	4.22%	0.454%
60	14.740	1428	1431	1436	rVB	179778	242231	16.75%	1.804%
61	14.887	1438	1446	1450	rVV3	31613	98368	6.80%	0.732%
62	14.996	1454	1457	1461	rBV	99945	152143	10.52%	1.133%
63	15.114	1466	1469	1473	rBV	75669	141822	9.81%	1.056%
64	15.233	1479	1481	1483	rBV	22003	31798	2.20%	0.237%
65	15.282	1483	1486	1488	rVV3	24246	37234	2.58%	0.277%
66	15.351	1488	1493	1495	rVV	33163	71337	4.93%	0.531%
67	15.410	1496	1499	1502	rVB2	15626	24719	1.71%	0.184%
68	15.647	1519	1523	1528	rVB	44052	91246	6.31%	0.679%
69	15.716	1528	1530	1533	rBV4	7990	15106	1.04%	0.112%
70	15.824	1538	1541	1545	rVB6	11143	22356	1.55%	0.166%
71	15.943	1550	1553	1555	rBV4	10457	21173	1.46%	0.158%

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72	16.012	1555	1560	1566	rVB5	10579	38974	2.70%	0.290%
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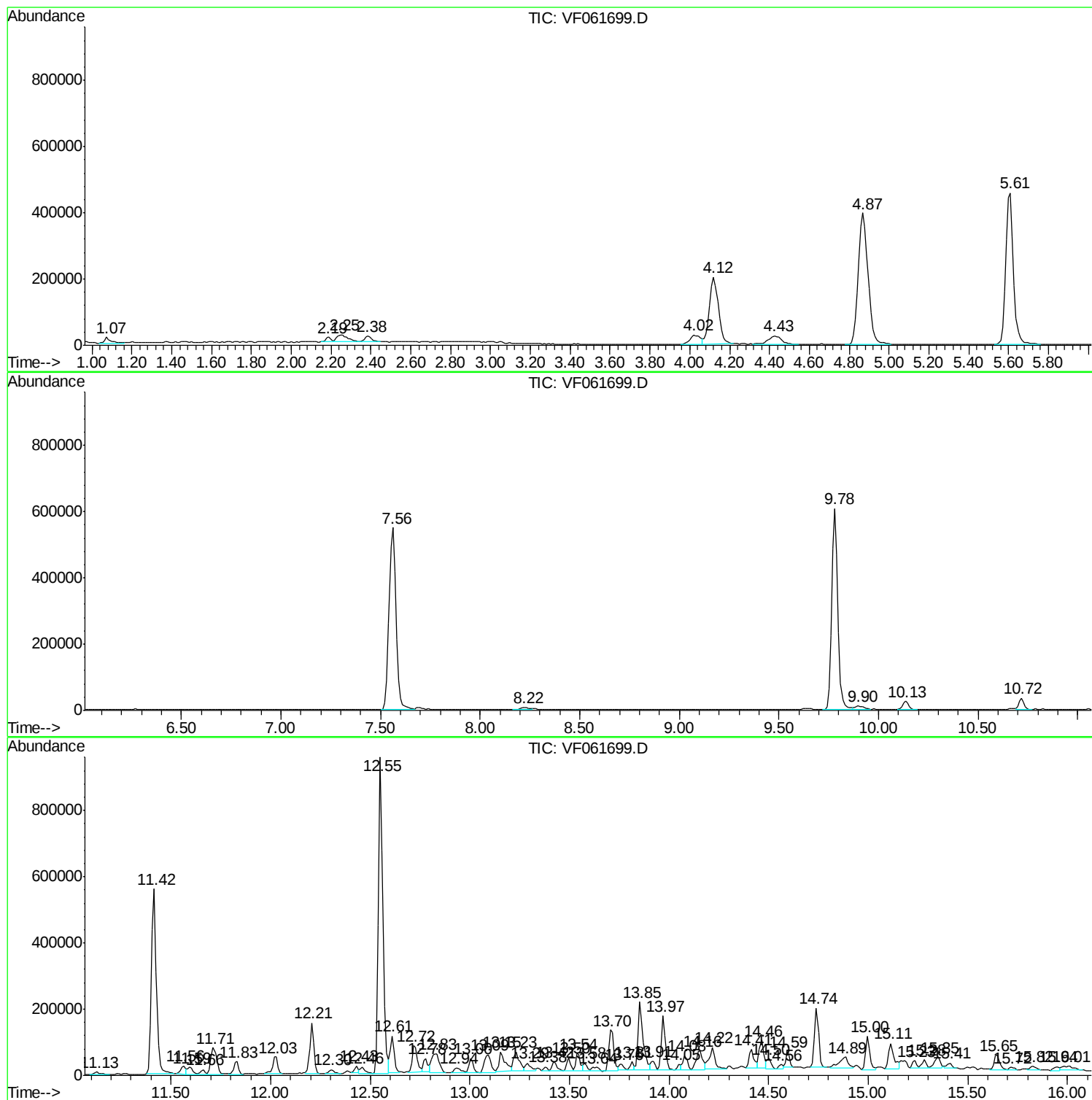
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260

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



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Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampled :
NB-07-022019-A

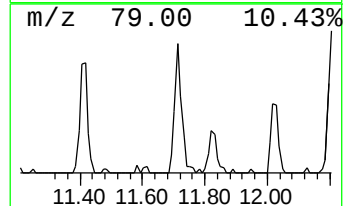
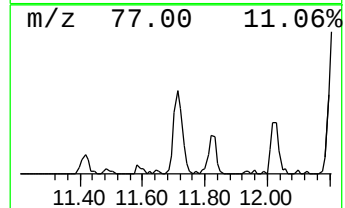
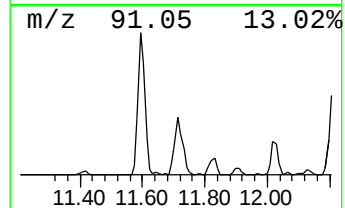
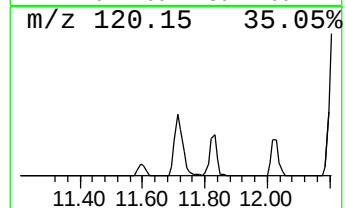
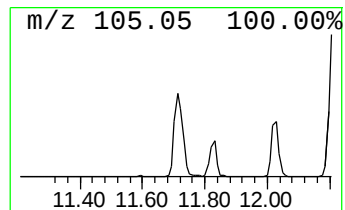
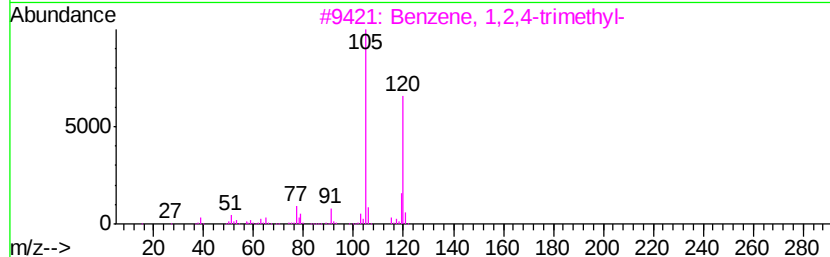
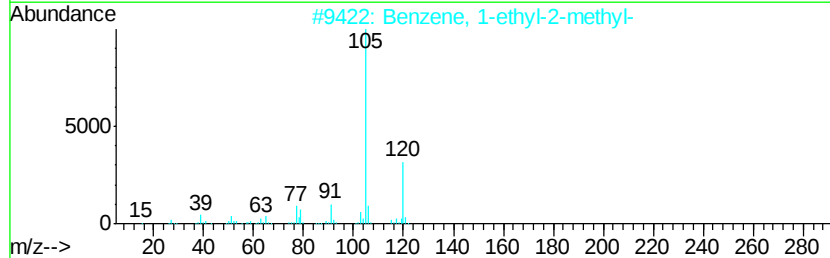
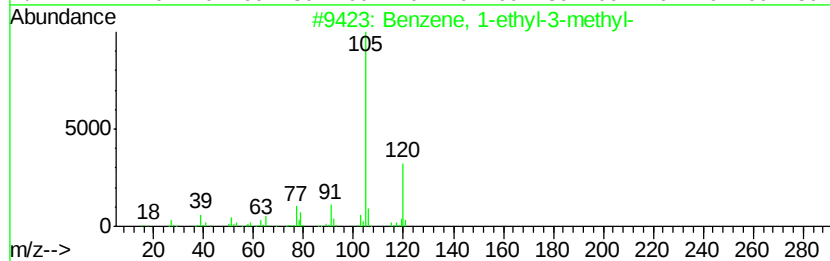
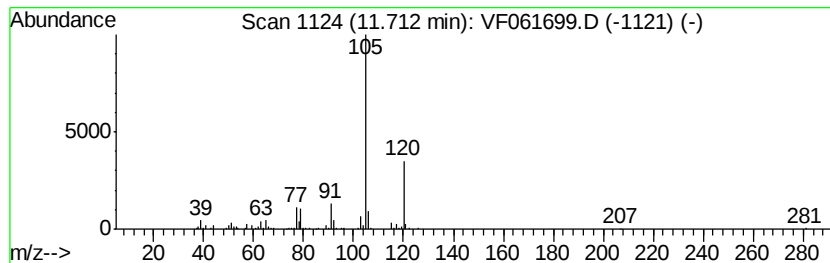
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Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	5.31 ug/l	153412	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



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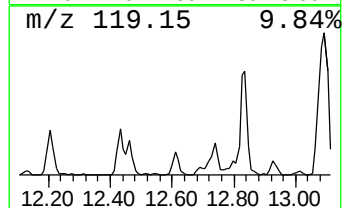
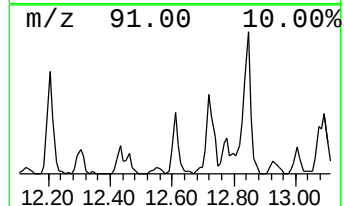
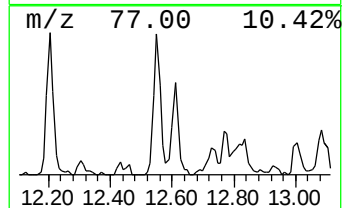
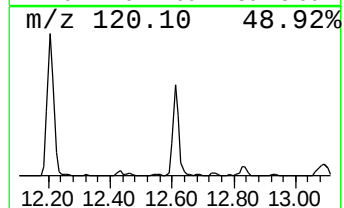
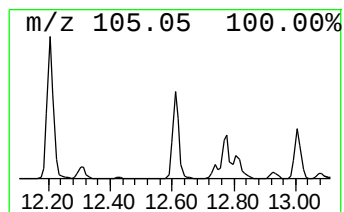
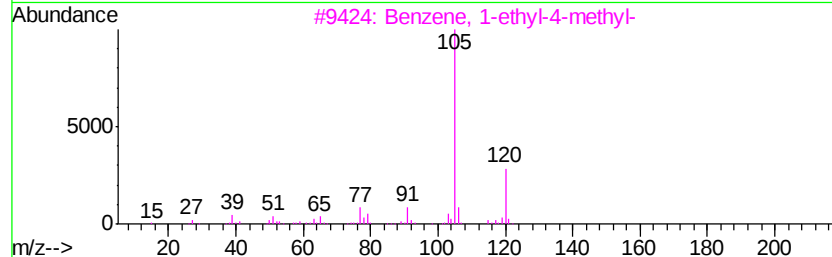
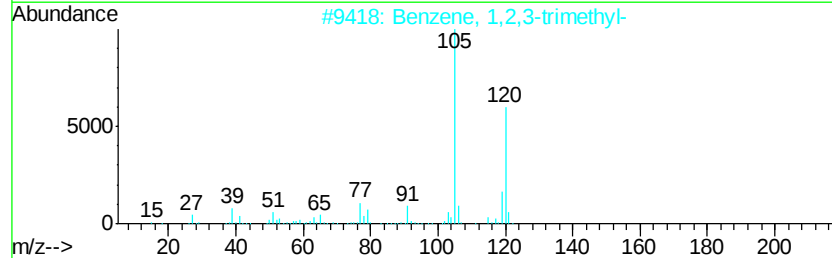
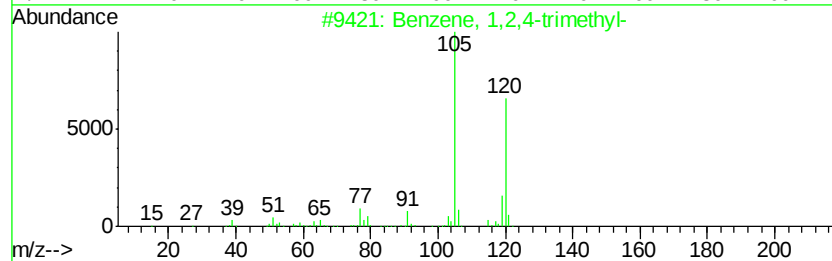
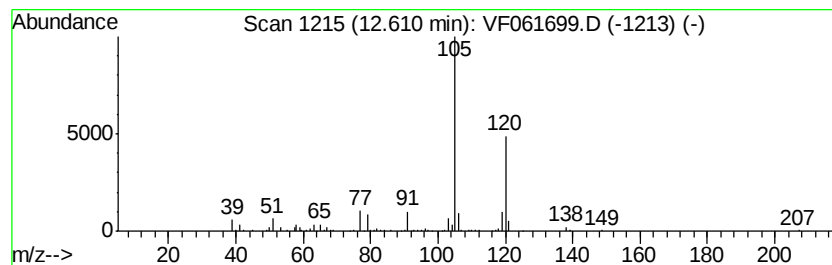
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.61	5.47 ug/l	158121	1,4-Dichlorobenzene-d4	12.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



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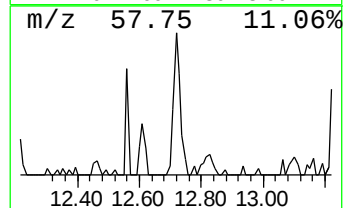
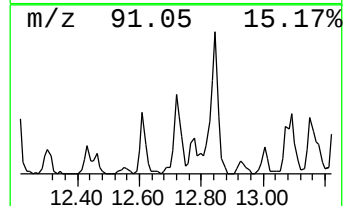
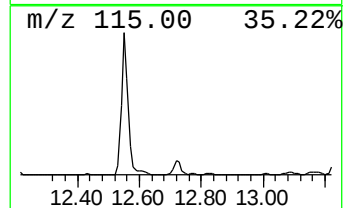
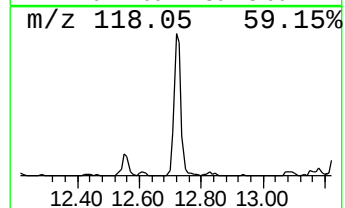
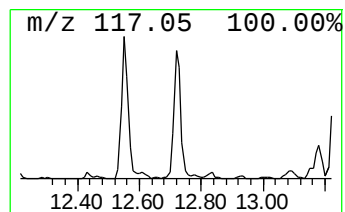
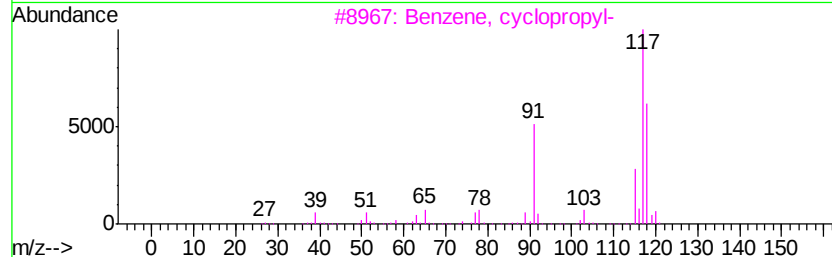
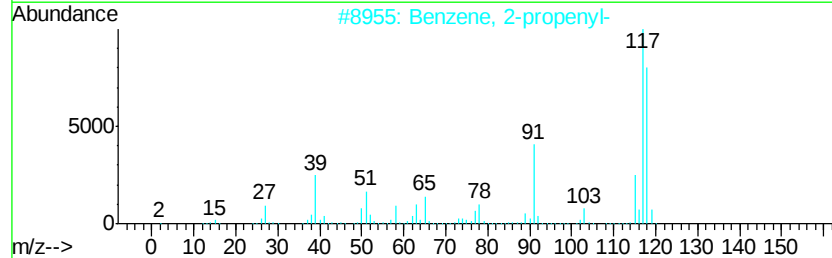
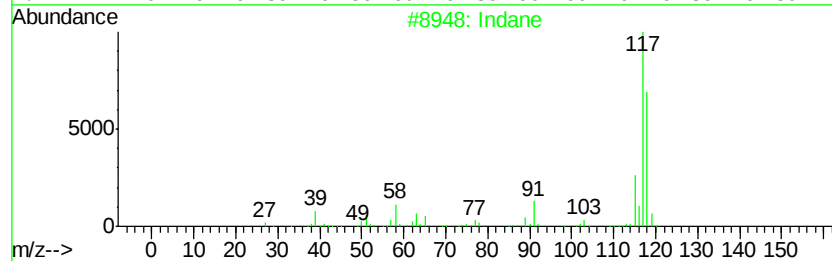
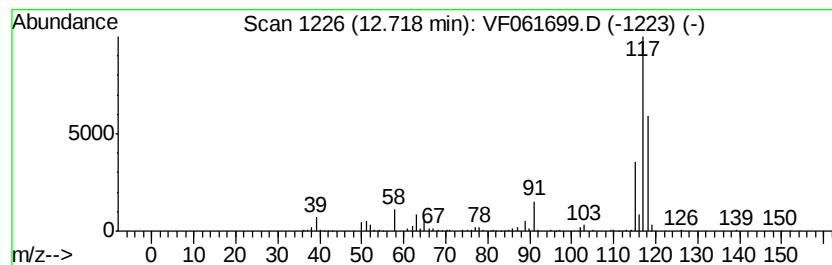
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	5.05 ug/l	145914	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indane		118 C9H10	000496-11-7 87
2	Benzene, 2-propenyl-		118 C9H10	000300-57-2 64
3	Benzene, cyclopropyl-		118 C9H10	000873-49-4 64
4	Benzene, 1-propenyl-		118 C9H10	000637-50-3 59
5	(Z)-1-Phenylpropene		118 C9H10	000766-90-5 59



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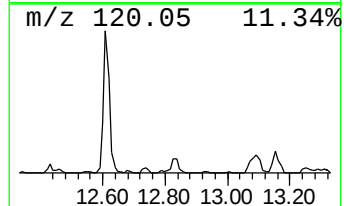
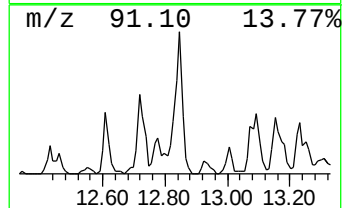
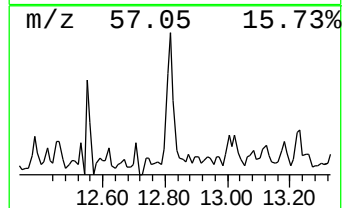
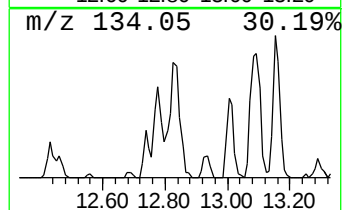
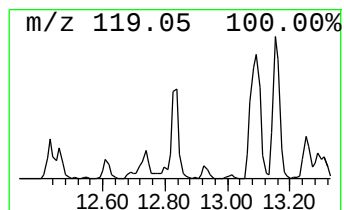
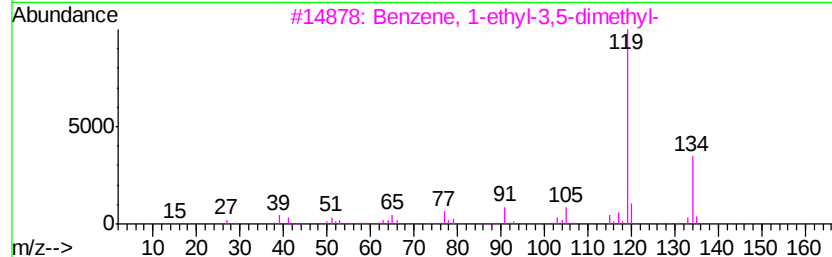
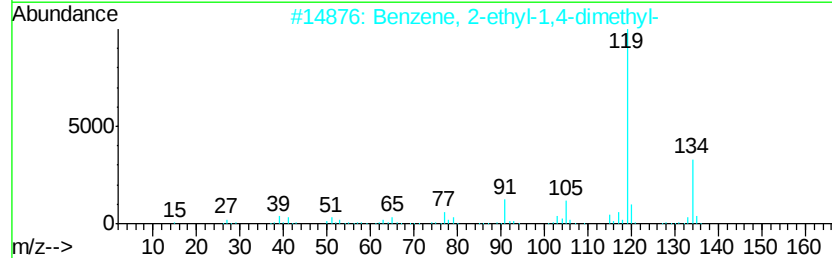
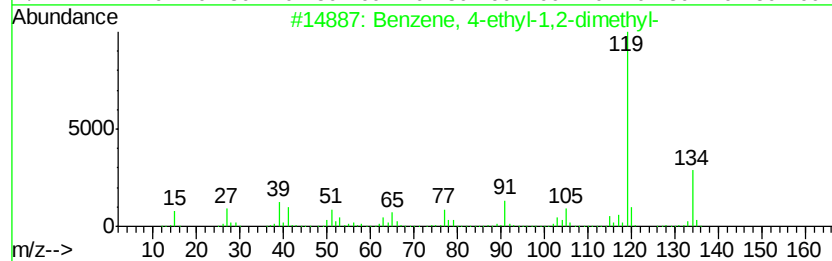
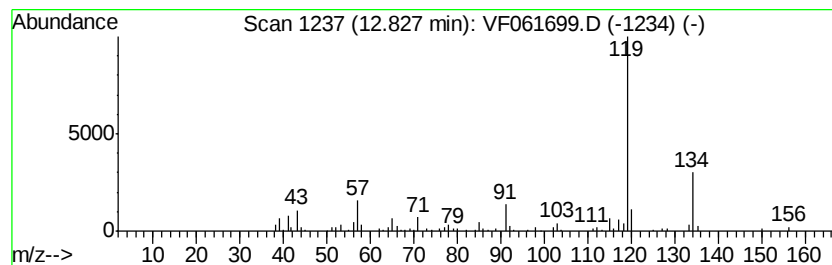
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	5.04 ug/l	145846	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-A

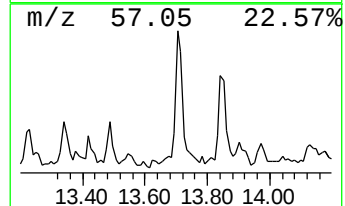
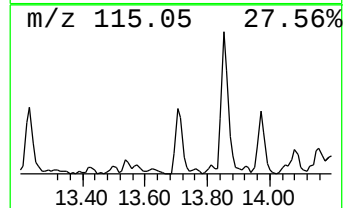
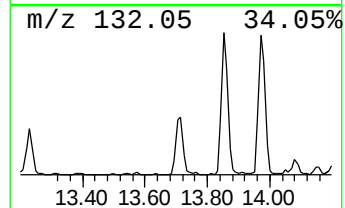
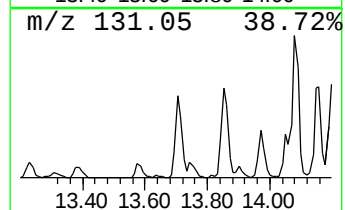
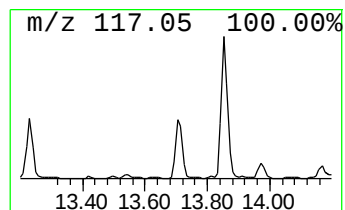
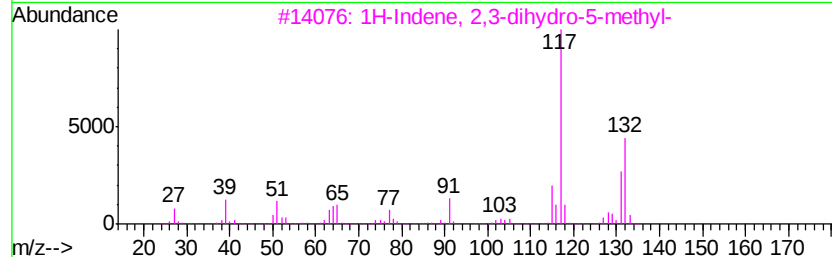
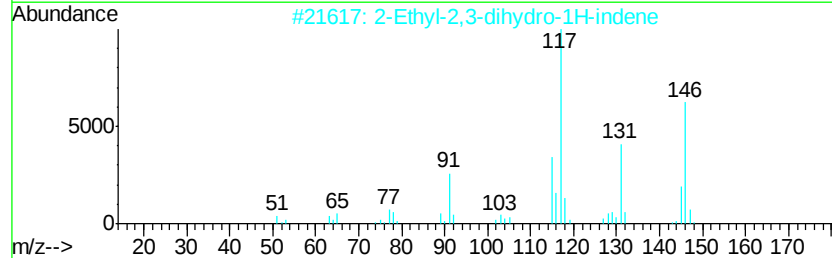
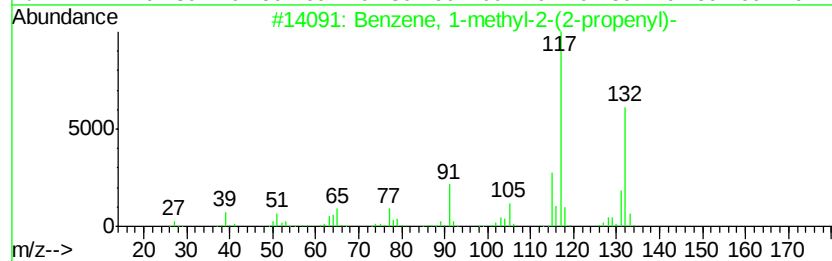
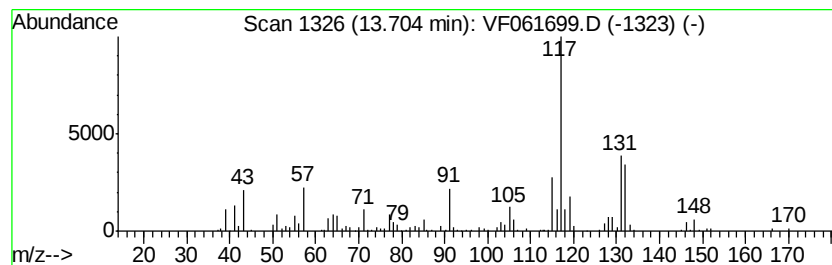
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	7.01 ug/l	202828	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
2		2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	72
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-A

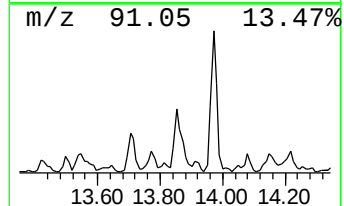
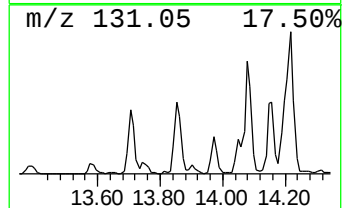
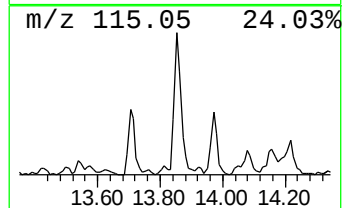
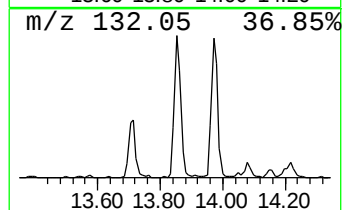
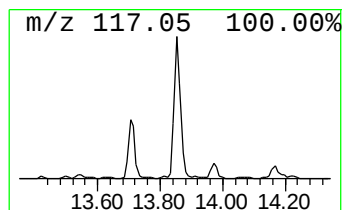
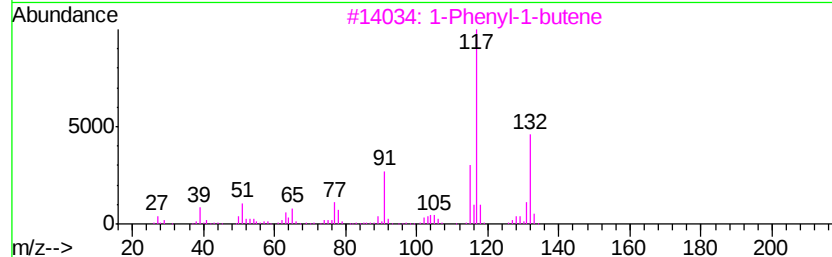
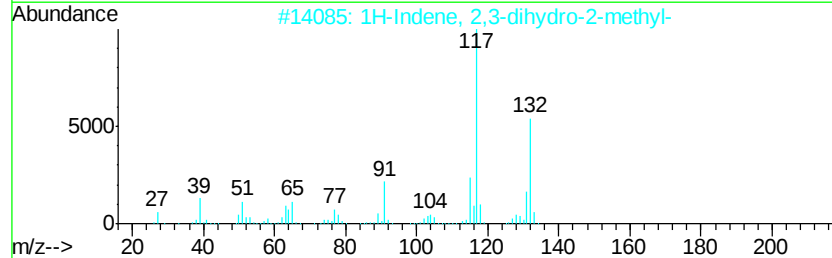
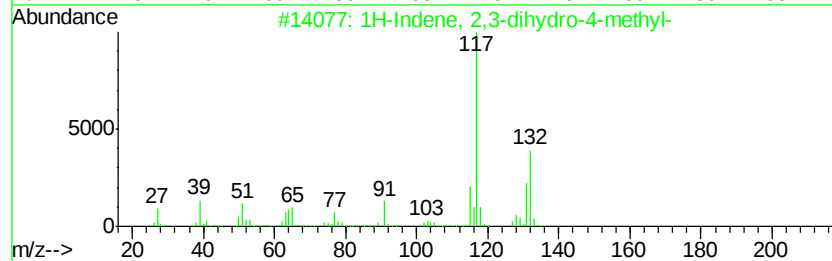
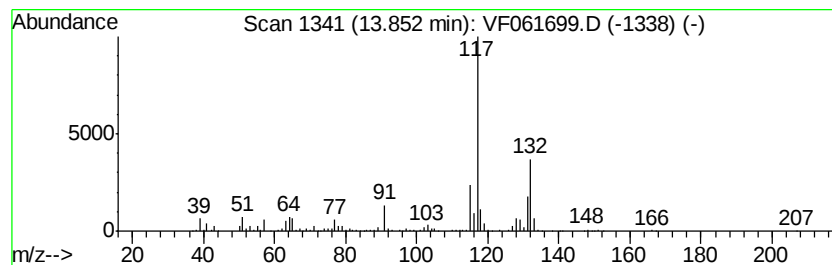
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	12.72 ug/l	367719	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4		Indan, 1-methyl-	132	C10H12	000767-58-8	87
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-A

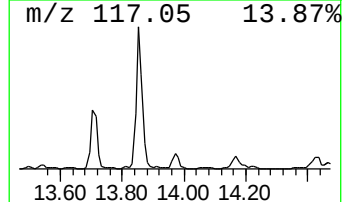
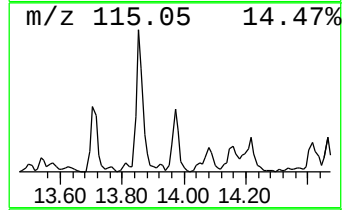
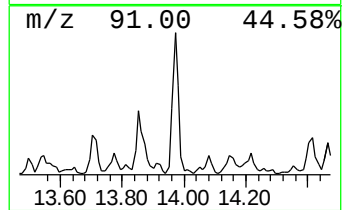
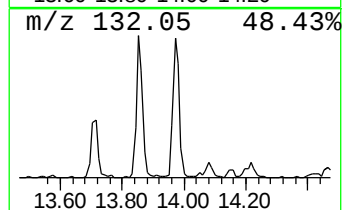
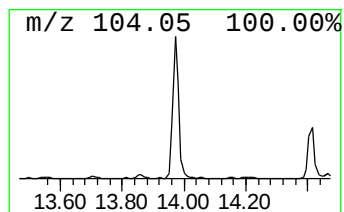
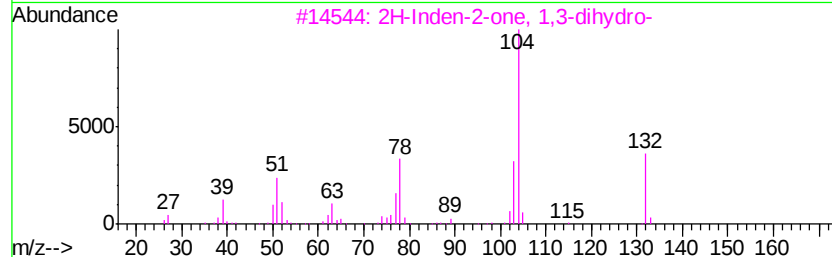
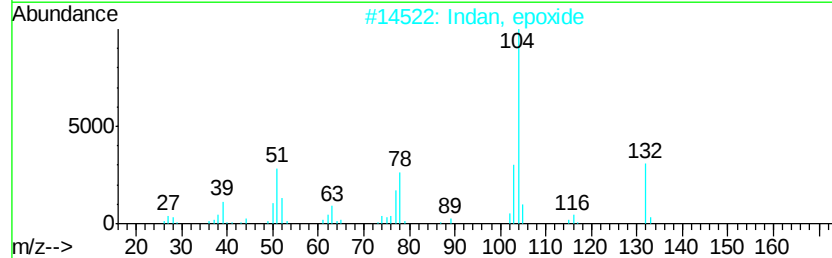
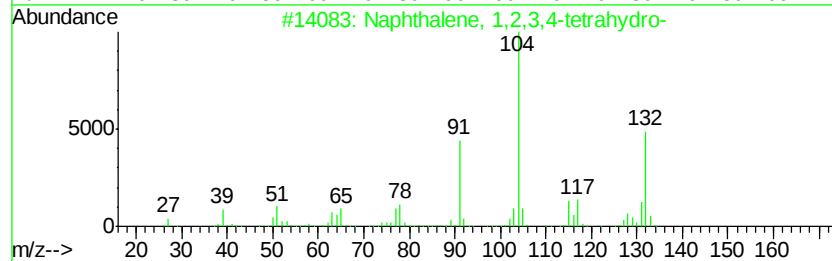
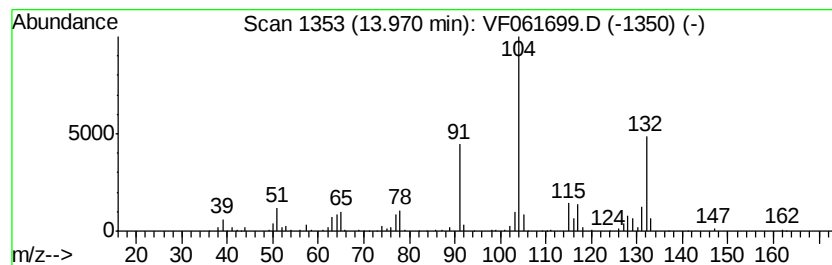
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	7.78 ug/l	224955	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	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		4-Ethylbenzoic acid, 2-phenyleth...	254	C17H18O2	1000293-50-1	43
5		Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-A

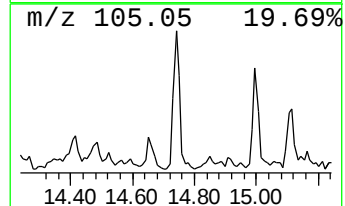
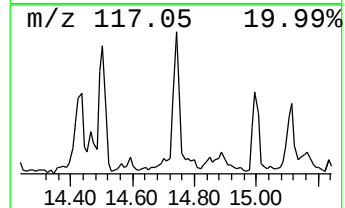
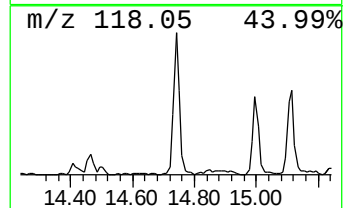
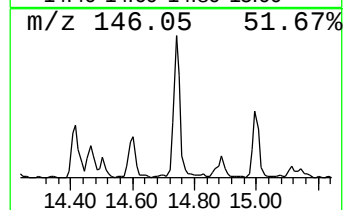
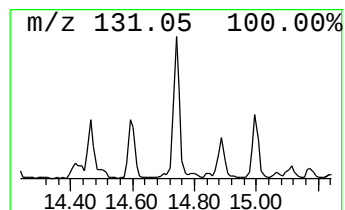
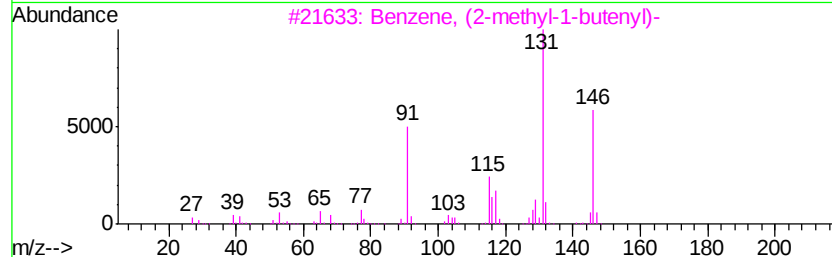
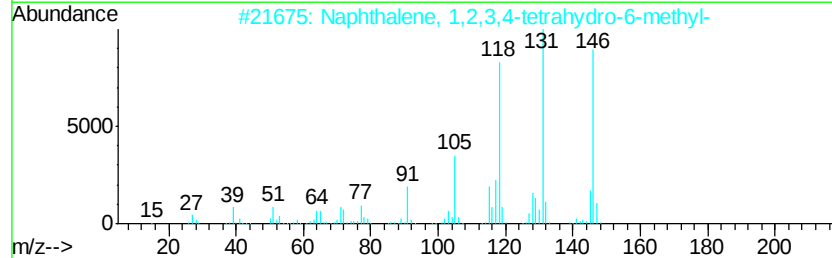
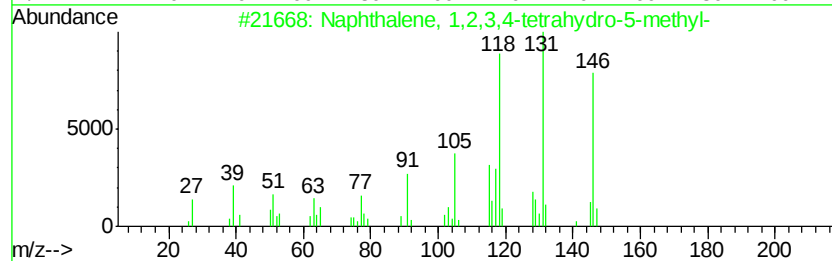
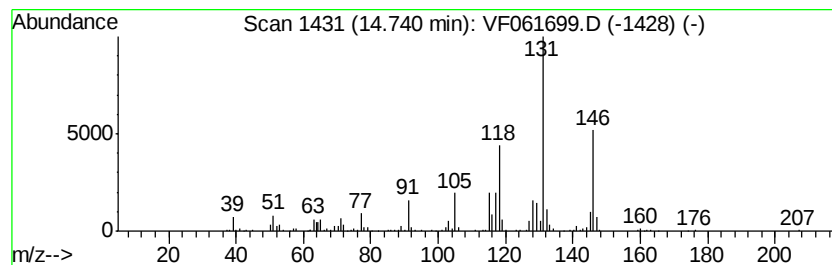
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	8.38 ug/l	242231	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	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3		Benzene, (2-methyl-1-butenvl)-	146	C11H14	056253-64-6	89
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

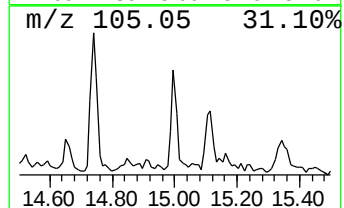
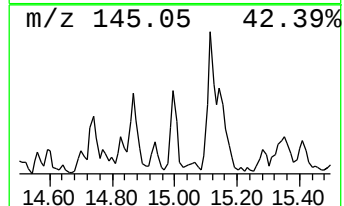
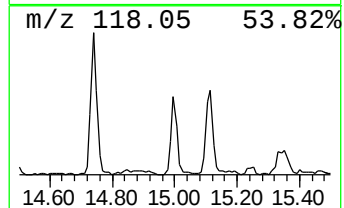
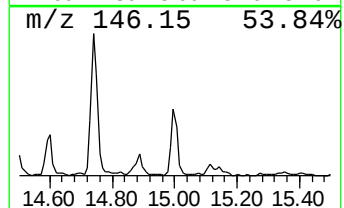
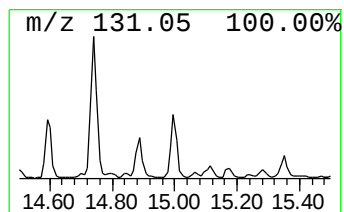
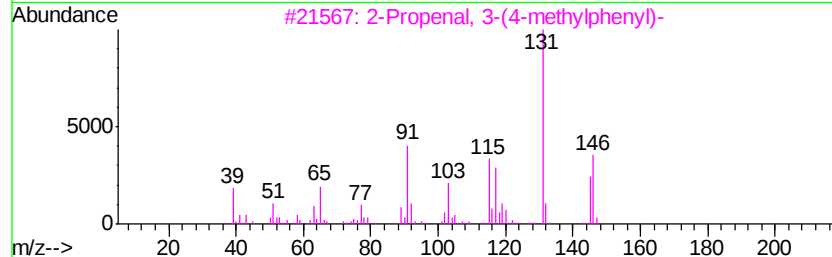
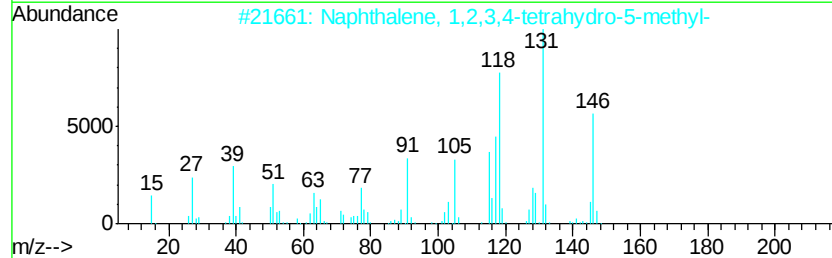
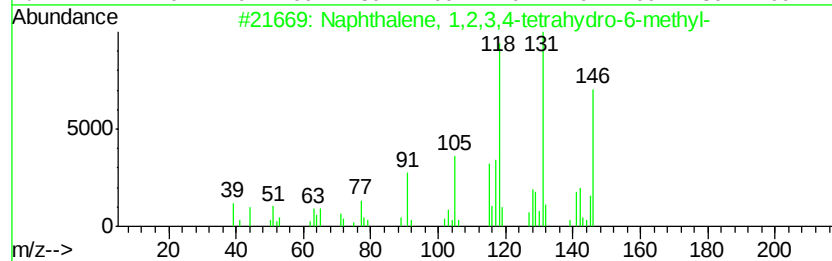
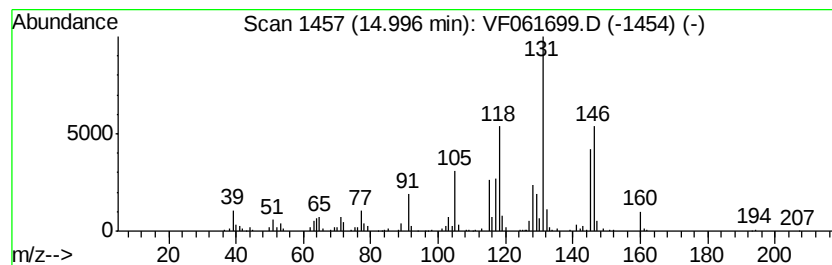
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.26 ug/l	152143	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	91
2	Naphthalene, 1,2,3,4-tetrahydro-	146 C11H14	002809-64-5	76
3	2-Propenal, 3-(4-methylphenyl)-	146 C10H10O	001504-75-2	70
4	1H-Benzimidazole, 5,6-dimethyl-	146 C9H10N2	000582-60-5	60
5	1,3-Cyclopentadiene, 5-(trans-2-	146 C11H14	079209-36-2	53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022119\
Data File : VF061699.D
Acq On : 21 Feb 2019 15:42
Operator : VA/AP
Sample : K1344-05
Misc : 5.18g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.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, 1,2,4-tr...	12.61	5.5	ug/l	158121	4	12.55	1445840	50.0
Indane	12.72	5.0	ug/l	145914	4	12.55	1445840	50.0
Benzene, 4-ethyl-...	12.83	5.0	ug/l	145846	4	12.55	1445840	50.0
Benzene, 1-methyl...	13.70	7.0	ug/l	202828	4	12.55	1445840	50.0
1H-Indene, 2,3-di...	13.85	12.7	ug/l	367719	4	12.55	1445840	50.0
Naphthalene, 1,2,...	13.97	7.8	ug/l	224955	4	12.55	1445840	50.0
Naphthalene, 1,2,...	14.74	8.4	ug/l	242231	4	12.55	1445840	50.0
Naphthalene, 1,2,...	15.00	5.3	ug/l	152143	4	12.55	1445840	50.0