

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013235.D
 Acq On : 23 Sep 2019 16:56
 Operator : SY/VA
 Sample : K4665-01
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-091919

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_W\METHOD\82W092019S.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	2.702	112	131	138	rBV5	21330	103142	2.61%	0.176%
2	2.775	138	143	155	rVB	24294	52292	1.32%	0.089%
3	4.117	354	363	374	rBV	44265	117681	2.98%	0.201%
4	4.909	477	493	506	rBV4	13794	59080	1.49%	0.101%
5	7.140	848	859	870	rBV2	14407	42585	1.08%	0.073%
6	7.878	969	980	985	rBV	181108	431999	10.93%	0.736%
7	7.945	985	991	1001	rVB	382560	845547	21.39%	1.442%
8	8.299	1040	1049	1060	rBV	176281	403057	10.20%	0.687%
9	8.841	1129	1138	1147	rBV	509798	1035654	26.20%	1.766%
10	9.335	1206	1219	1226	rBV	29771	70030	1.77%	0.119%
11	10.323	1373	1381	1388	rBV	795219	1420630	35.93%	2.422%
12	10.506	1404	1411	1418	rVB4	18398	42735	1.08%	0.073%
13	11.176	1517	1521	1525	rVV	40671	65894	1.67%	0.112%
14	11.231	1525	1530	1535	rVB	34126	61314	1.55%	0.105%
15	11.408	1551	1559	1561	rBV2	32462	63996	1.62%	0.109%
16	11.512	1571	1576	1580	rBV	29215	44286	1.12%	0.075%
17	11.627	1588	1595	1605	rBV	621045	1072613	27.13%	1.829%
18	11.731	1605	1612	1615	rBV2	53677	99561	2.52%	0.170%
19	11.835	1620	1629	1634	rBV	193341	451619	11.42%	0.770%
20	11.914	1639	1642	1648	rVB2	63837	103744	2.62%	0.177%
21	12.060	1658	1666	1671	rVB4	18530	44410	1.12%	0.076%
22	12.164	1671	1683	1691	rBV2	515416	1121167	28.36%	1.911%
23	12.249	1694	1697	1701	rVB	56801	79845	2.02%	0.136%
24	12.298	1701	1705	1707	rBV2	32619	50427	1.28%	0.086%
25	12.341	1707	1712	1714	rBV2	73412	131398	3.32%	0.224%
26	12.377	1714	1718	1723	rVV4	91169	191749	4.85%	0.327%
27	12.463	1727	1732	1736	rBV4	52955	99789	2.52%	0.170%
28	12.615	1751	1757	1765	rBV2	504637	854136	21.61%	1.456%
29	12.700	1766	1771	1775	rVV3	50349	80709	2.04%	0.138%
30	12.804	1780	1788	1792	rVV	205597	469124	11.87%	0.800%
31	12.865	1792	1798	1801	rVV	782642	1296405	32.79%	2.210%
32	12.902	1801	1804	1807	rVV	639750	1064555	26.93%	1.815%
33	12.944	1807	1811	1816	rVV	1058724	1775709	44.92%	3.027%
34	12.993	1816	1819	1823	rVB2	107521	152623	3.86%	0.260%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Sampling : 1
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35	13.103	1829	1837	1844	rBV	978910	1665762	42.14%	2.840%
36	13.170	1844	1848	1855	rVB4	148628	310585	7.86%	0.529%
37	13.249	1855	1861	1867	rBV	1369914	2128204	53.83%	3.628%
38	13.377	1878	1882	1887	rVB3	155357	251895	6.37%	0.429%
39	13.444	1887	1893	1897	rBV2	444250	767246	19.41%	1.308%
40	13.493	1897	1901	1906	rVB	163919	282989	7.16%	0.482%
41	13.584	1906	1916	1921	rBV2	1495384	3076193	77.81%	5.244%
42	13.718	1934	1938	1939	rBV	288312	335303	8.48%	0.572%
43	13.749	1939	1943	1947	rVV2	1345034	2400386	60.72%	4.092%
44	13.792	1947	1950	1959	rVB4	1092585	2157601	54.58%	3.678%
45	13.877	1959	1964	1969	rBV2	616540	1016000	25.70%	1.732%
46	13.950	1970	1976	1981	rBV	687820	1079597	27.31%	1.841%
47	14.011	1981	1986	1988	rBV	458537	676298	17.11%	1.153%
48	14.042	1988	1991	1995	rVV	524112	738658	18.68%	1.259%
49	14.096	1995	2000	2005	rVB	957079	1453541	36.77%	2.478%
50	14.157	2005	2010	2013	rBV	239155	368184	9.31%	0.628%
51	14.206	2013	2018	2023	rVB2	1045421	1676438	42.41%	2.858%
52	14.279	2023	2030	2034	rVB6	120990	295146	7.47%	0.503%
53	14.334	2034	2039	2043	rBV2	459051	776084	19.63%	1.323%
54	14.383	2043	2047	2050	rVV2	265916	429022	10.85%	0.731%
55	14.420	2050	2053	2056	rVV	457618	684058	17.30%	1.166%
56	14.456	2056	2059	2063	rVV	725144	988479	25.00%	1.685%
57	14.499	2063	2066	2069	rVV	363186	465502	11.77%	0.794%
58	14.542	2069	2073	2080	rVB3	297967	502158	12.70%	0.856%
59	14.639	2080	2089	2093	rBV2	395800	856575	21.67%	1.460%
60	14.688	2093	2097	2101	rVV3	725415	1363229	34.48%	2.324%
61	14.724	2101	2103	2109	rVB2	469058	717377	18.15%	1.223%
62	14.804	2109	2116	2122	rBV4	1604013	3953379	100.00%	6.740%
63	14.859	2122	2125	2131	rVB2	237841	368214	9.31%	0.628%
64	14.956	2136	2141	2147	rVV	1279816	2045404	51.74%	3.487%
65	15.029	2148	2153	2154	rVV2	163323	242937	6.15%	0.414%
66	15.066	2154	2159	2162	rVV2	547495	1079367	27.30%	1.840%
67	15.102	2162	2165	2170	rVV	384677	731811	18.51%	1.248%
68	15.182	2171	2178	2184	rVB3	589406	1368355	34.61%	2.333%
69	15.328	2196	2202	2205	rBV5	135302	285981	7.23%	0.488%
70	15.365	2205	2208	2212	rVB	139446	194064	4.91%	0.331%
71	15.419	2212	2217	2222	rBV	426579	786307	19.89%	1.341%

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Integration Parameters: RTEINT.P

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72	15.474	2222	2226	2228	rBV2	204607	347577	8.79%	0.593%
73	15.657	2248	2256	2263	rBV3	353203	786915	19.90%	1.342%
74	15.730	2264	2268	2273	rVV4	79160	138819	3.51%	0.237%
75	15.822	2275	2283	2285	rVV4	256261	549000	13.89%	0.936%
76	15.864	2285	2290	2299	rVB	692935	1371783	34.70%	2.339%
77	15.950	2299	2304	2309	rBV4	84935	159720	4.04%	0.272%
78	16.029	2310	2317	2323	rBV3	162119	401587	10.16%	0.685%
79	16.175	2332	2341	2358	rBV3	390669	1017513	25.74%	1.735%
80	16.377	2364	2374	2379	rBV3	261736	631610	15.98%	1.077%
81	16.444	2379	2385	2390	rBV	148174	303502	7.68%	0.517%
82	16.645	2411	2418	2424	rBV7	137395	373232	9.44%	0.636%
83	16.779	2436	2440	2441	rBV	44393	57946	1.47%	0.099%

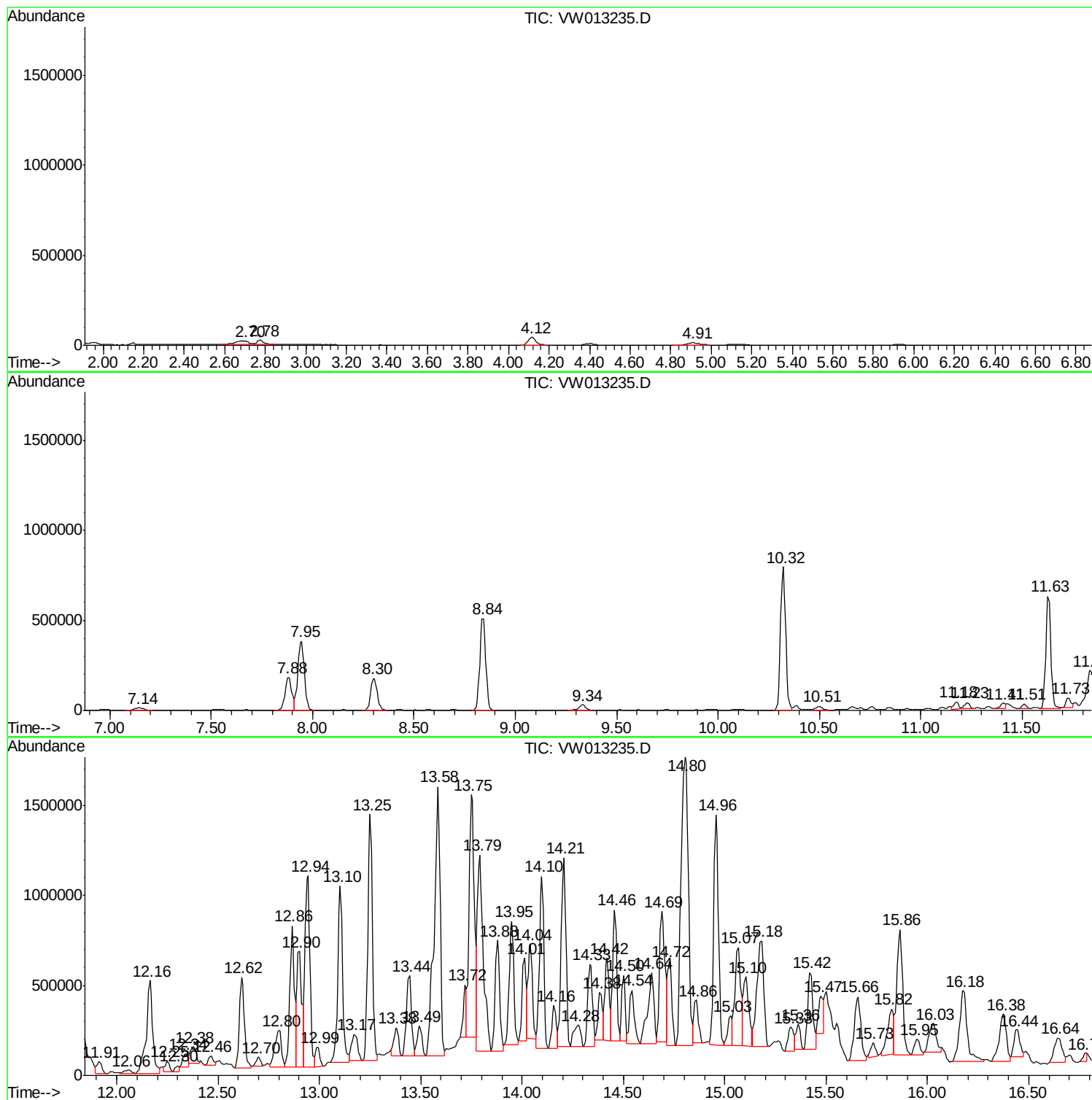
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



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Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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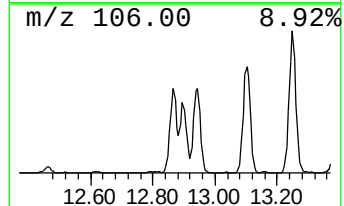
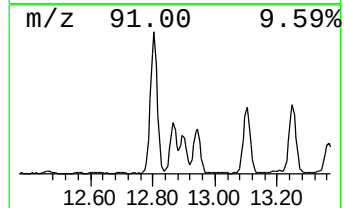
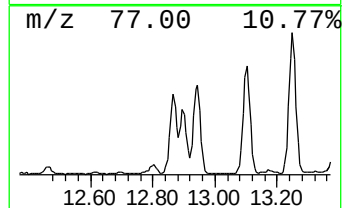
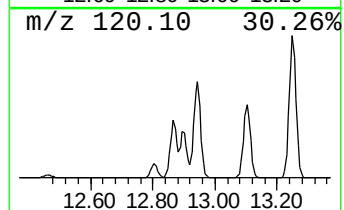
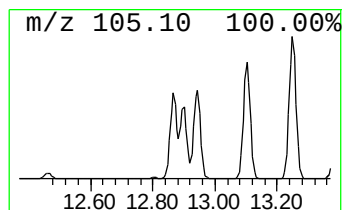
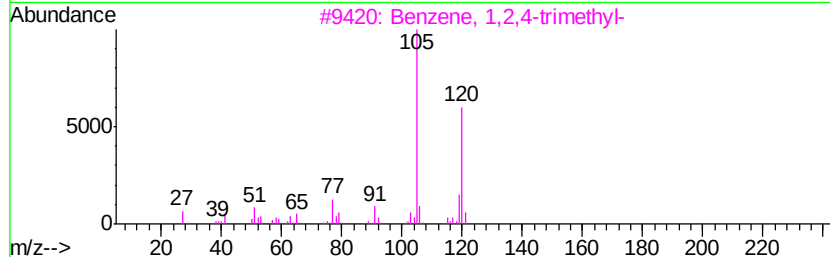
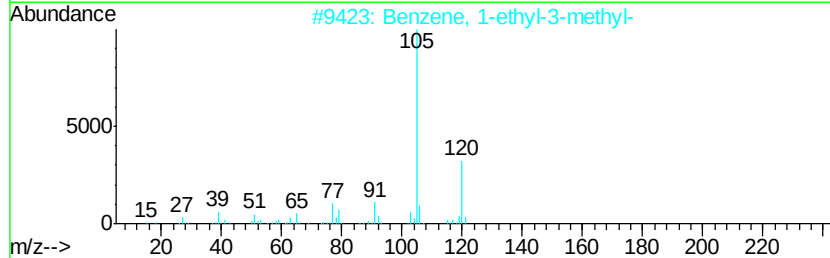
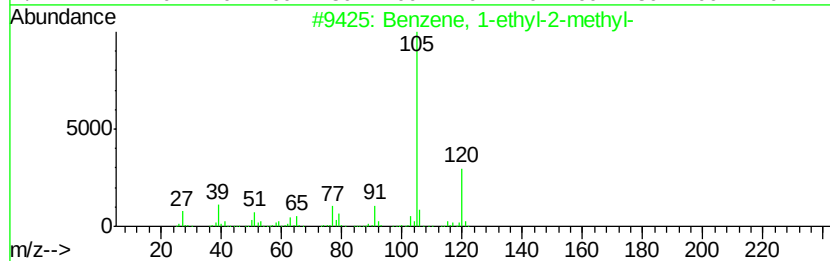
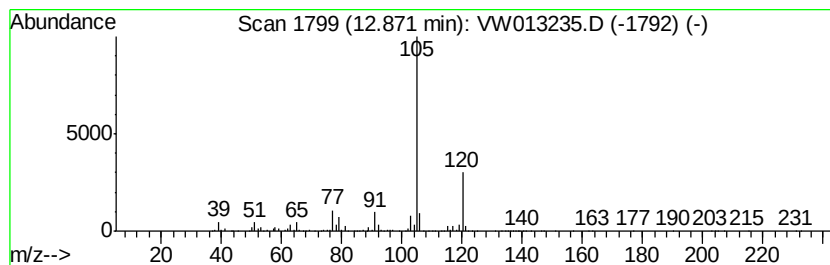
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	21.07 ug/l	1296410	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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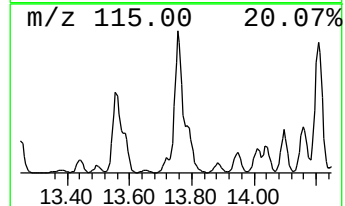
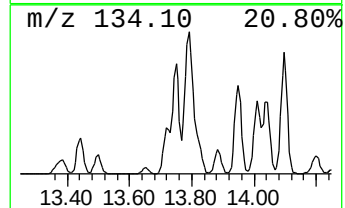
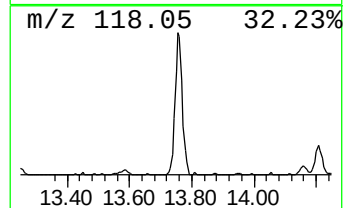
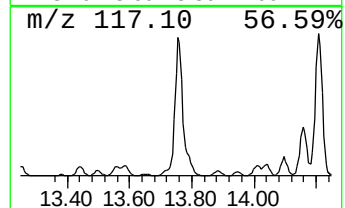
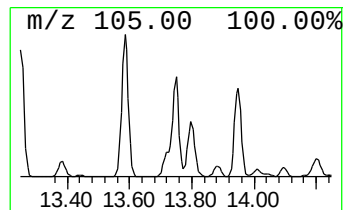
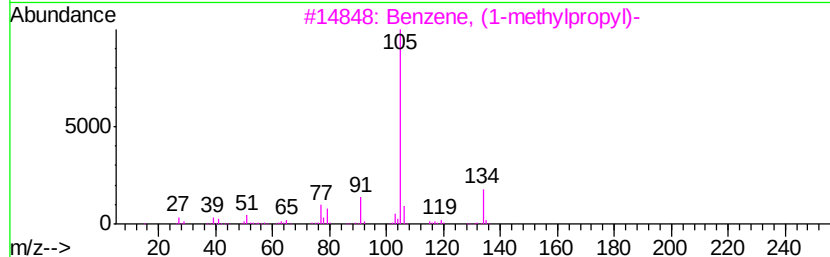
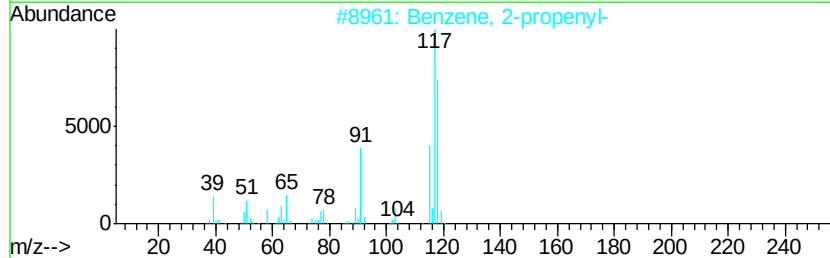
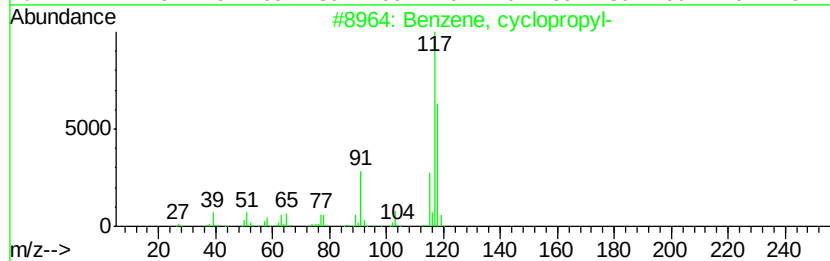
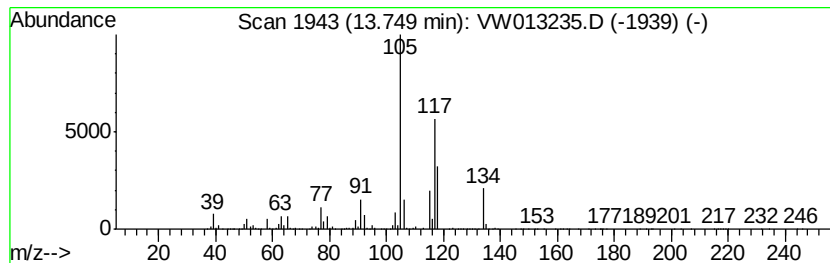
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	39.02 ug/l	2400390	1,4-Dichlorobenzene-d4	13.56

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cvclopropyl-	118	C9H10	000873-49-4	50
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	45
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	45



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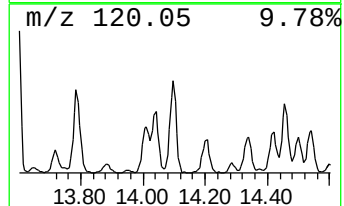
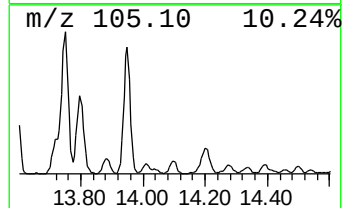
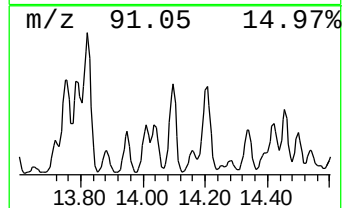
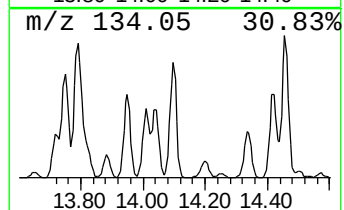
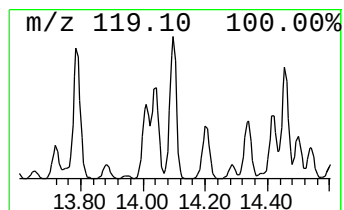
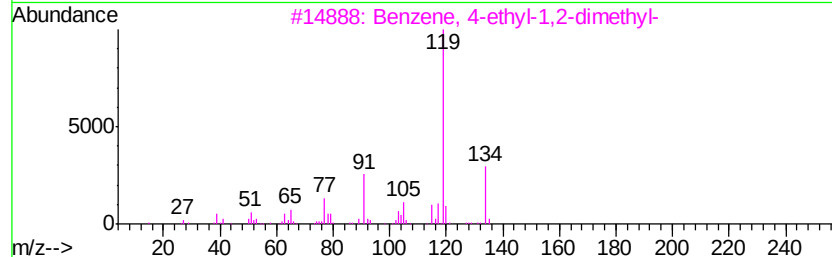
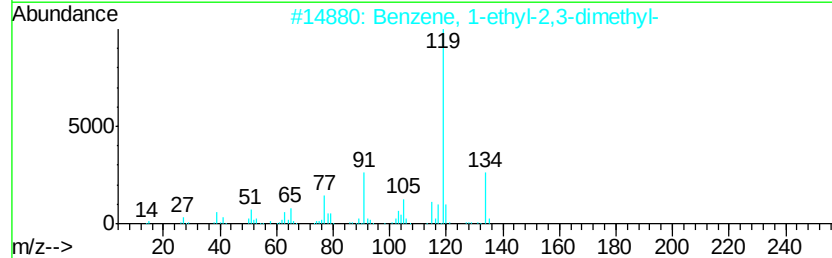
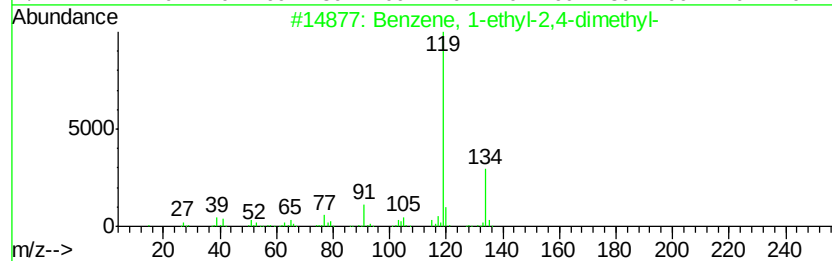
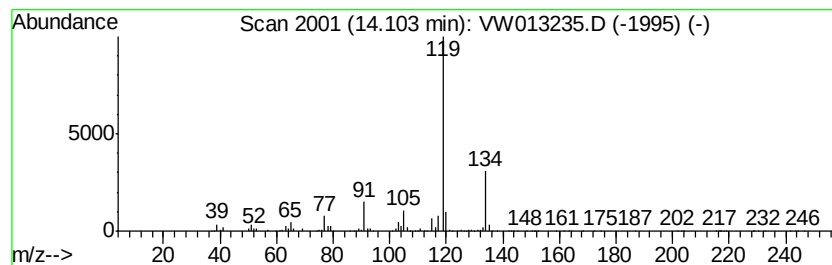
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	23.63 ug/l	1453540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



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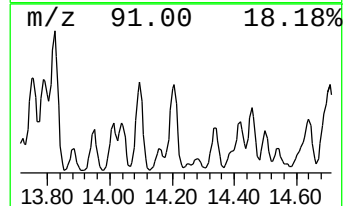
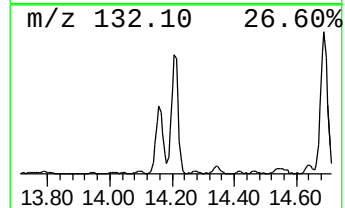
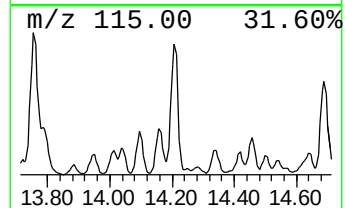
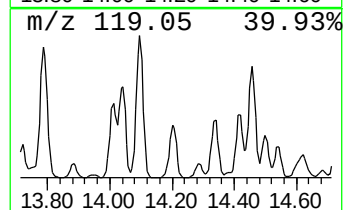
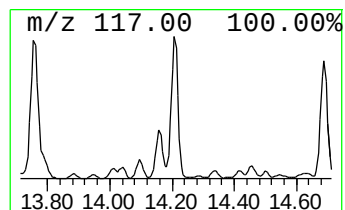
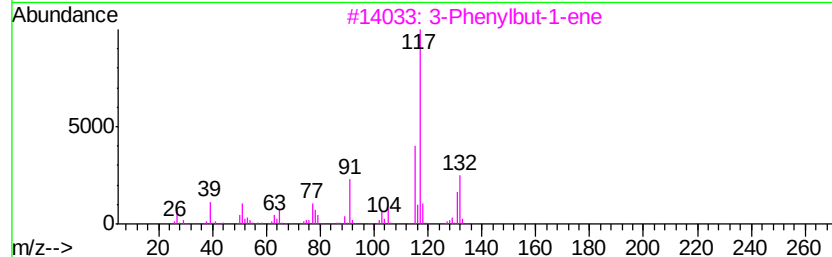
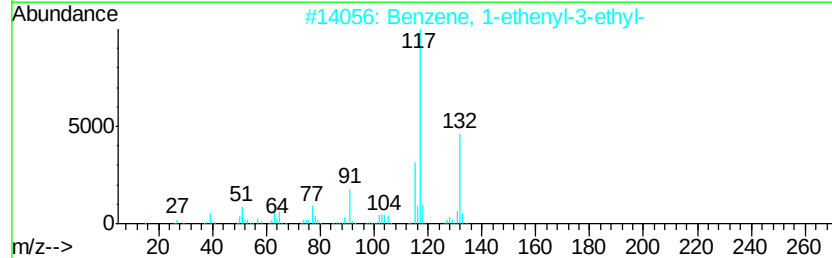
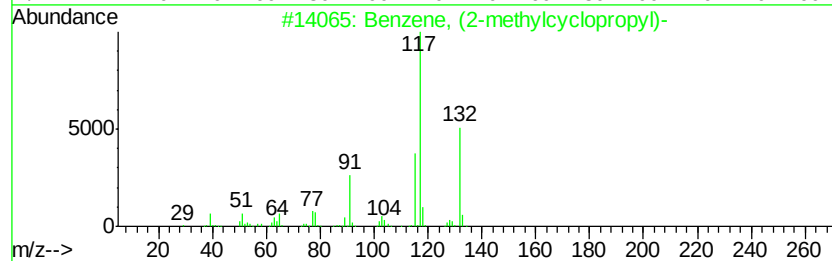
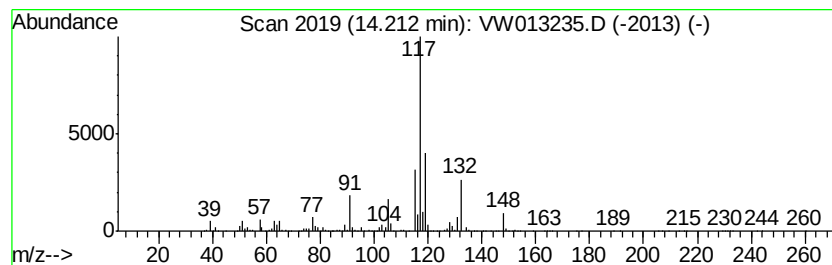
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, (2-methylcycloprop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	27.25 ug/l	1676440	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	53
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	53
4		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	53
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

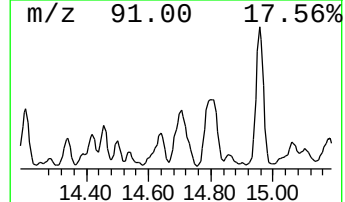
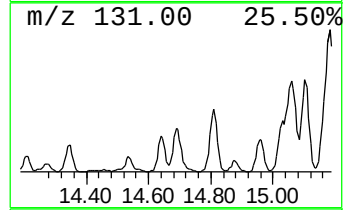
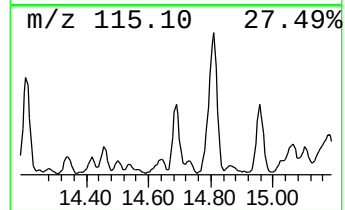
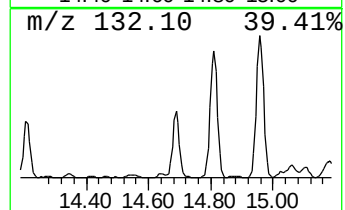
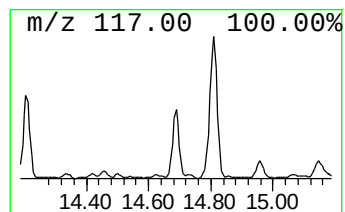
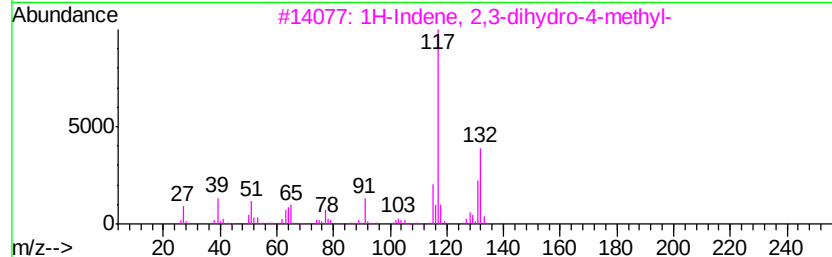
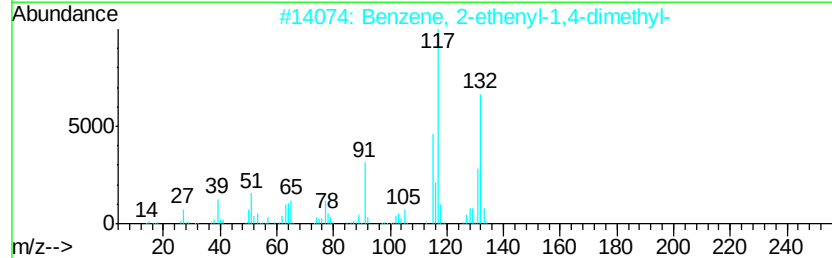
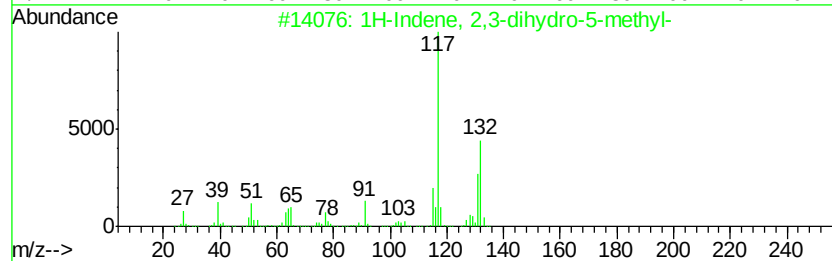
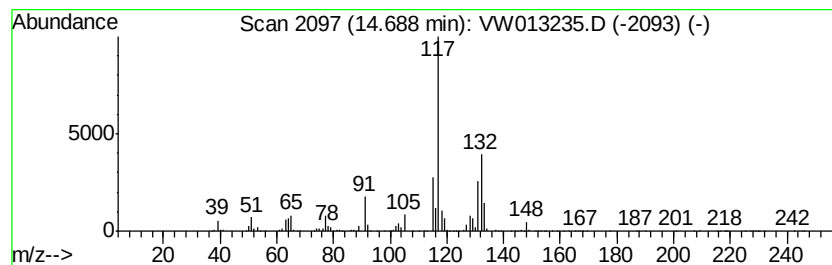
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	22.16 ug/l	1363230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

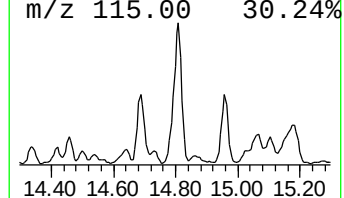
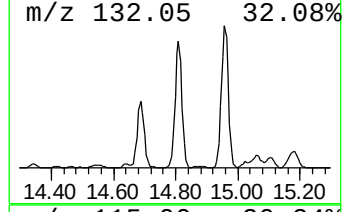
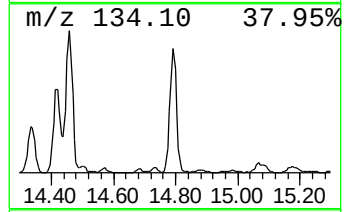
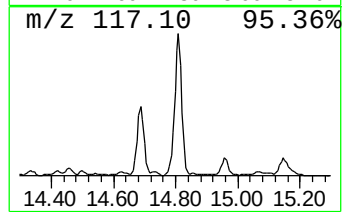
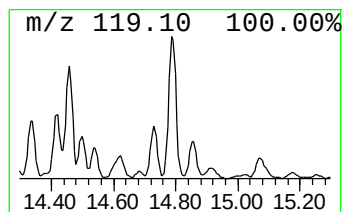
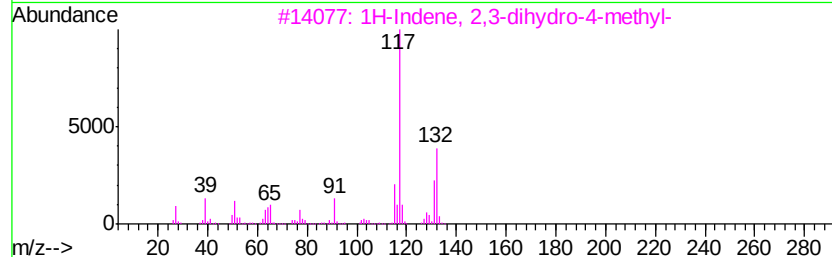
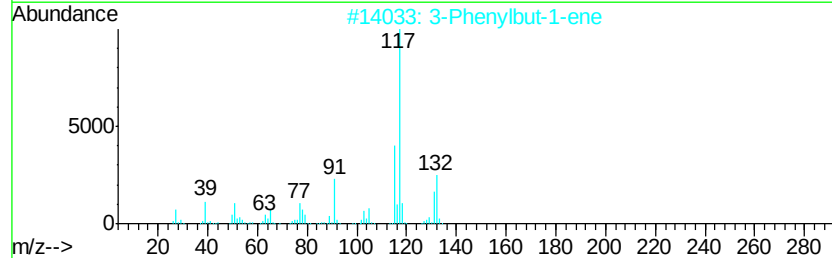
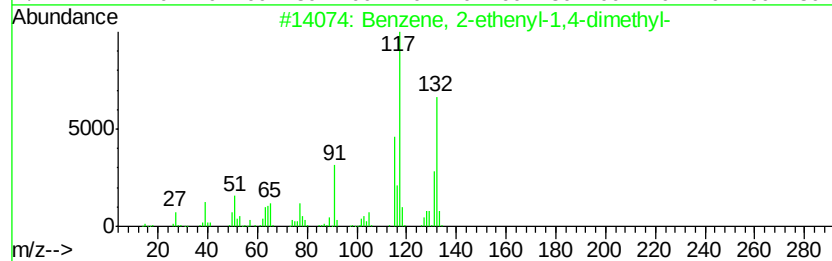
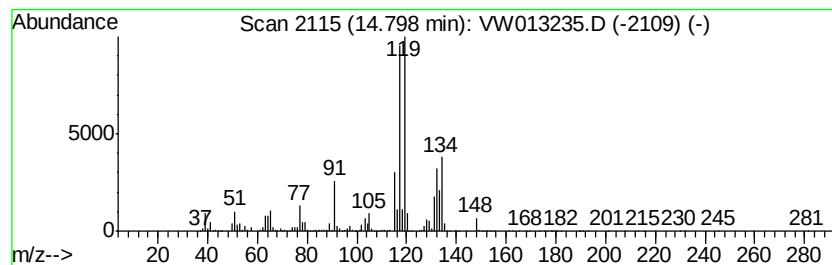
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	64.26 ug/l	3953380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
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-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

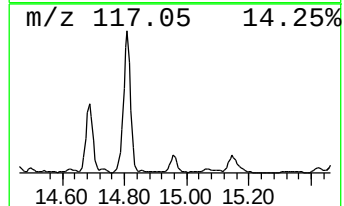
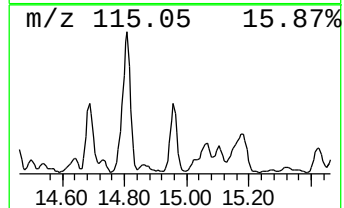
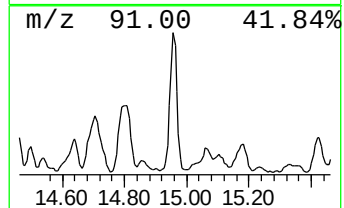
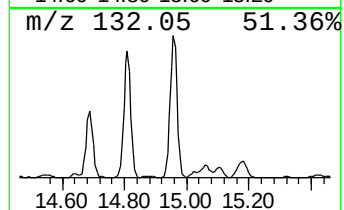
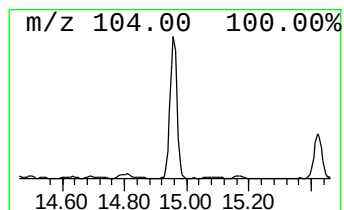
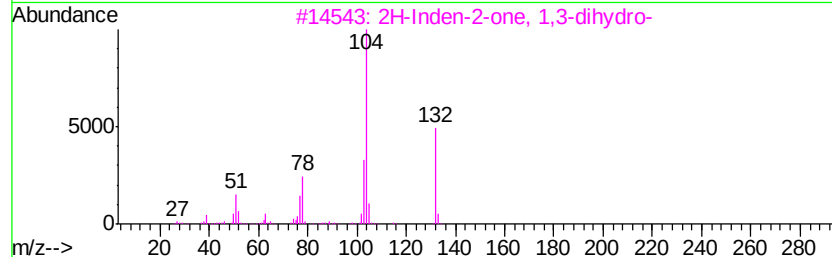
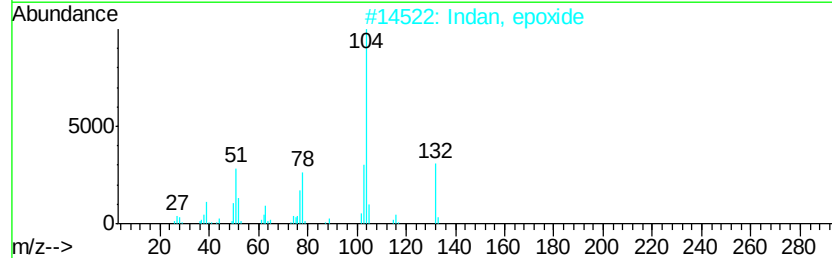
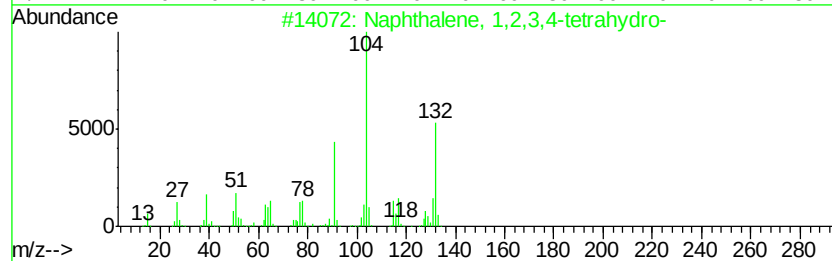
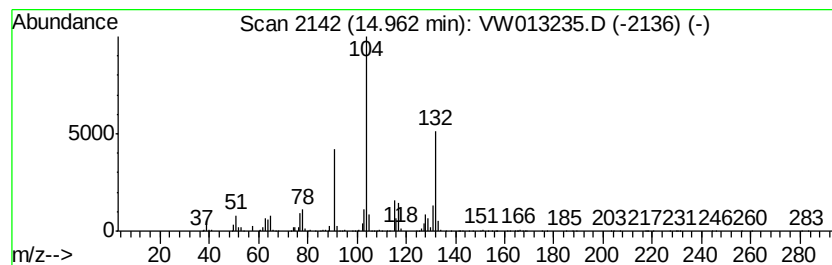
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	33.25 ug/l	2045400	1,4-Dichlorobenzene-d4	13.56

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	53
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4		Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

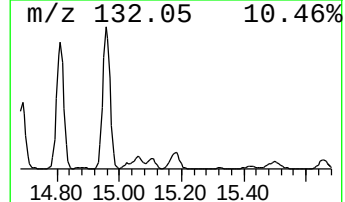
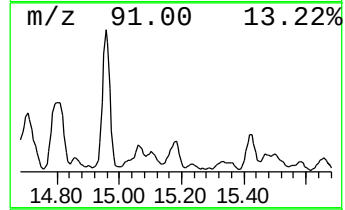
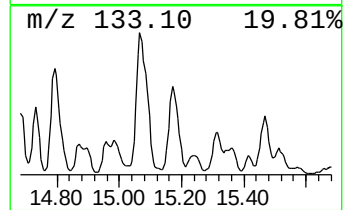
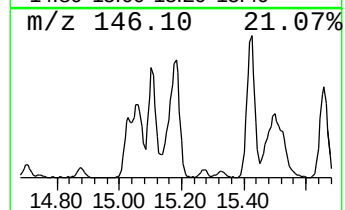
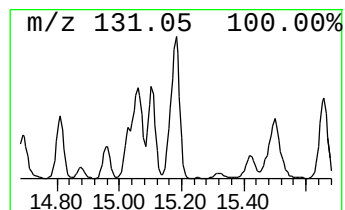
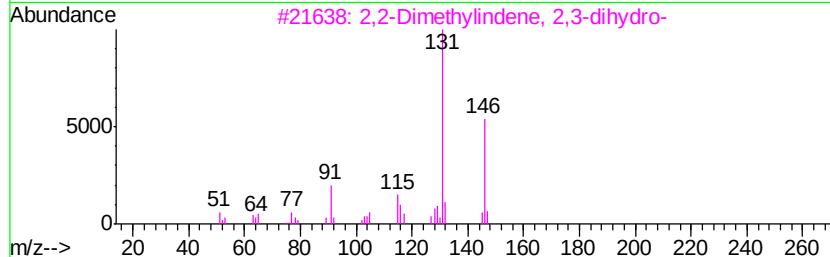
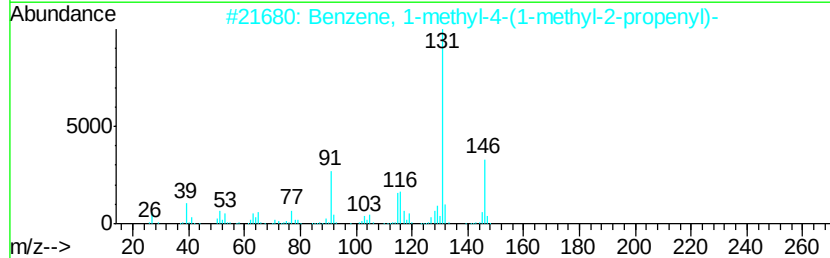
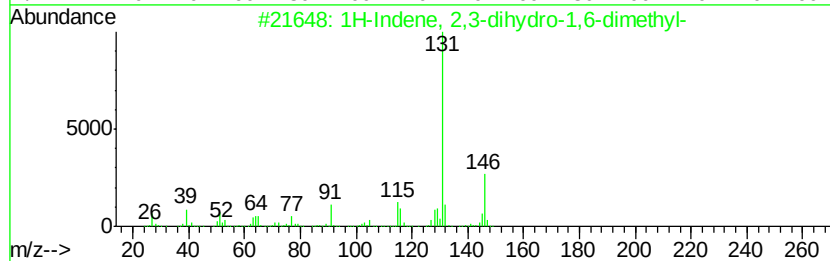
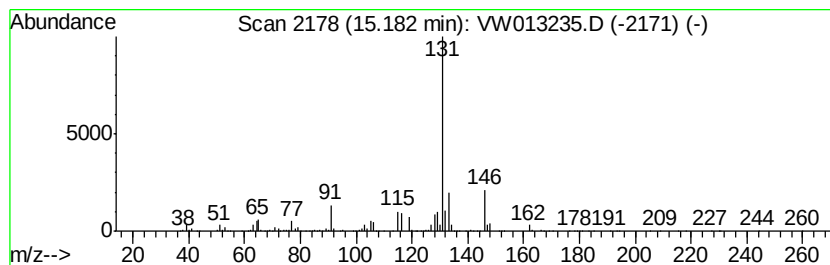
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 9 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	22.24 ug/l	1368360	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2	93
2	Benzene, 1-methyl-4-(1-methyl-2-...	146 C11H14	097664-18-1	87
3	2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001559-81-5	81
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146 C11H14	027087-54-3	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

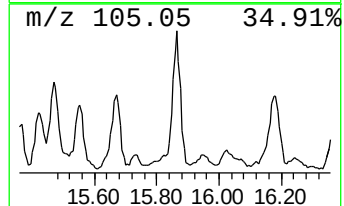
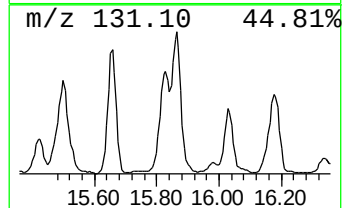
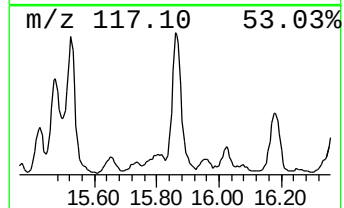
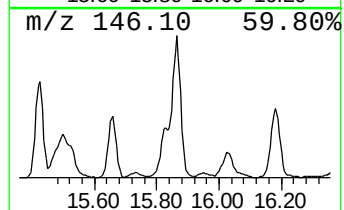
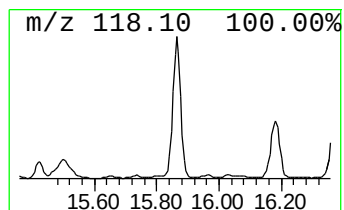
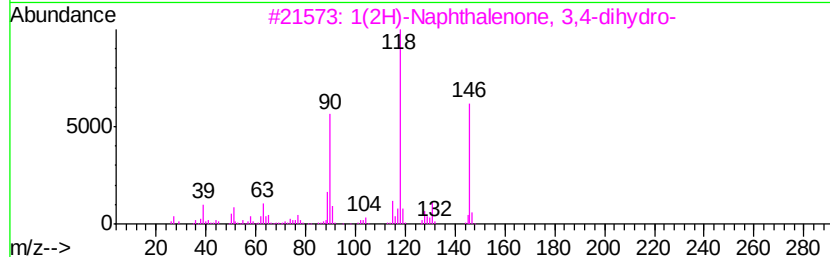
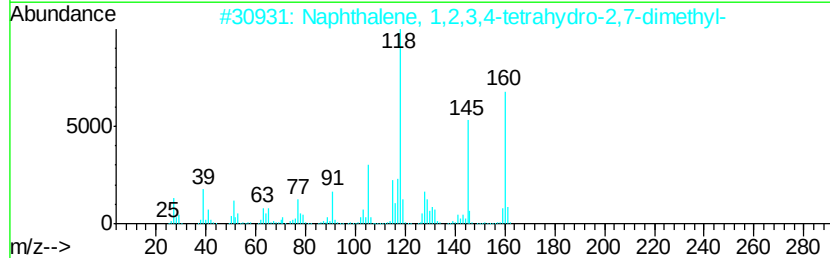
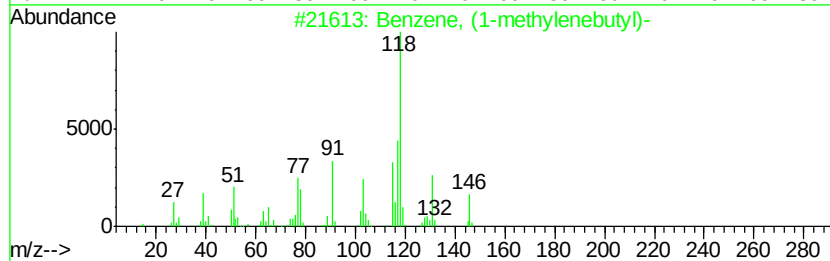
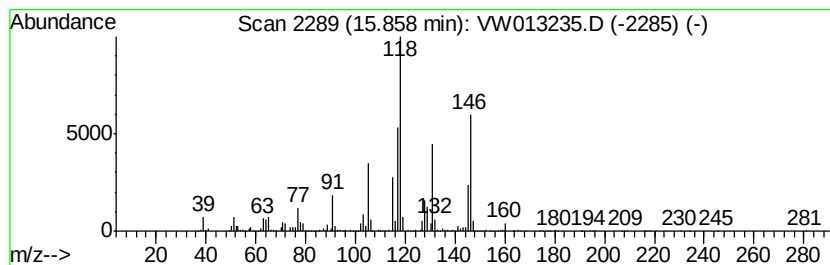
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methylenebutyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	22.30 ug/l	1371780	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	76
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	58
3		1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	46
4		5H-Benzocycloheptene, 6,7,8,9-tet...	146	C11H14	001075-16-7	38
5		7-Methylindan-1-one	146	C10H10O	039627-61-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
Data File : VW013235.D
Acq On : 23 Sep 2019 16:56
Operator : SY/VA
Sample : K4665-01
Misc : 5.47G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091919

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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
Benzene, 1-ethyl-...	12.87	21.1	ug/l	1296410	4	13.56	3076190	50.0
Benzene, cyclopro...	13.75	39.0	ug/l	2400390	4	13.56	3076190	50.0
Benzene, 1-ethyl-...	14.10	23.6	ug/l	1453540	4	13.56	3076190	50.0
Benzene, (2-methy...	14.21	27.3	ug/l	1676440	4	13.56	3076190	50.0
1H-Indene, 2,3-di...	14.69	22.2	ug/l	1363230	4	13.56	3076190	50.0
Benzene, 2-etheny...	14.80	64.3	ug/l	3953380	4	13.56	3076190	50.0
Naphthalene, 1,2,...	14.96	33.3	ug/l	2045400	4	13.56	3076190	50.0
1H-Indene, 2,3-di...	15.18	22.2	ug/l	1368360	4	13.56	3076190	50.0
Benzene, (1-methy...	15.86	22.3	ug/l	1371780	4	13.56	3076190	50.0