

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008510.D
 Acq On : 04 Feb 2019 19:03
 Operator : SY/VA
 Sample : K1341-01
 Misc : 6.58G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-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_W\METHOD\82W012419S.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	4.117	356	363	373	rBV	26964	71129	1.82%	0.144%
2	4.915	483	494	508	rBV4	18434	76419	1.96%	0.155%
3	7.141	851	859	872	rBV2	22203	72664	1.86%	0.147%
4	7.884	970	981	985	rBV	258389	605289	15.51%	1.227%
5	7.945	985	991	1001	rVB	439191	1003155	25.71%	2.034%
6	8.305	1037	1050	1060	rBV	249349	564760	14.47%	1.145%
7	8.841	1129	1138	1151	rBV	674574	1326767	34.01%	2.690%
8	10.323	1371	1381	1386	rBV	1048227	1861193	47.70%	3.774%
9	10.384	1386	1391	1403	rVV	2216499	3901666	100.00%	7.912%
10	10.506	1406	1411	1420	rVB3	18627	41354	1.06%	0.084%
11	11.176	1517	1521	1525	rVV	42958	70379	1.80%	0.143%
12	11.231	1525	1530	1535	rVB	46293	81221	2.08%	0.165%
13	11.335	1542	1547	1551	rBV7	20839	46466	1.19%	0.094%
14	11.432	1556	1563	1572	rVV5	54977	177061	4.54%	0.359%
15	11.512	1572	1576	1581	rVB	26528	46758	1.20%	0.095%
16	11.634	1589	1596	1606	rVB	854607	1459431	37.41%	2.959%
17	11.731	1606	1612	1615	rBV	95435	159069	4.08%	0.323%
18	11.835	1621	1629	1639	rBV2	522478	1028172	26.35%	2.085%
19	12.164	1673	1683	1691	rBV	321381	630058	16.15%	1.278%
20	12.256	1694	1698	1701	rVB	27298	39232	1.01%	0.080%
21	12.298	1701	1705	1708	rBV3	25926	46871	1.20%	0.095%
22	12.341	1708	1712	1715	rBV3	51861	86556	2.22%	0.176%
23	12.390	1715	1720	1722	rBV5	48630	86286	2.21%	0.175%
24	12.621	1752	1758	1767	rVB	665823	1128366	28.92%	2.288%
25	12.694	1767	1770	1776	rVB5	28663	55932	1.43%	0.113%
26	12.804	1780	1788	1792	rBV	218654	386515	9.91%	0.784%
27	12.871	1792	1799	1802	rBV	688035	1250624	32.05%	2.536%
28	12.902	1802	1804	1806	rVV	353603	458964	11.76%	0.931%
29	12.938	1806	1810	1818	rVB3	699426	1381496	35.41%	2.801%
30	13.103	1830	1837	1844	rBV	384410	670788	17.19%	1.360%
31	13.170	1844	1848	1853	rBV3	78379	126796	3.25%	0.257%
32	13.255	1856	1862	1867	rBV	1528515	2395005	61.38%	4.857%
33	13.353	1867	1878	1881	rBV3	237223	820500	21.03%	1.664%
34	13.444	1888	1893	1898	rBV4	278017	578200	14.82%	1.172%

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Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
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35	13.493	1898	1901	1907	rVV2	199277	379657	9.73%	0.770%
36	13.560	1907	1912	1914	rVV	706557	1088852	27.91%	2.208%
37	13.585	1914	1916	1921	rVV	633831	912023	23.38%	1.849%
38	13.725	1934	1939	1940	rBV	132489	189091	4.85%	0.383%
39	13.755	1940	1944	1947	rVV2	699372	1136052	29.12%	2.304%
40	13.792	1947	1950	1959	rVB3	517265	1142410	29.28%	2.317%
41	13.877	1959	1964	1970	rBV2	511087	850674	21.80%	1.725%
42	13.950	1972	1976	1982	rVV	302692	561452	14.39%	1.139%
43	14.011	1982	1986	1989	rVV	324613	541804	13.89%	1.099%
44	14.042	1989	1991	1996	rVB	318346	401979	10.30%	0.815%
45	14.103	1996	2001	2006	rVB	520282	807810	20.70%	1.638%
46	14.164	2006	2011	2014	rBV	103515	155470	3.98%	0.315%
47	14.212	2014	2019	2024	rVB2	544207	893507	22.90%	1.812%
48	14.292	2024	2032	2035	rBV3	108958	277007	7.10%	0.562%
49	14.341	2035	2040	2045	rVB3	210210	345355	8.85%	0.700%
50	14.389	2045	2048	2050	rBV2	111241	142573	3.65%	0.289%
51	14.426	2050	2054	2057	rVV	207953	263580	6.76%	0.534%
52	14.462	2057	2060	2064	rVB	428320	539268	13.82%	1.094%
53	14.505	2064	2067	2070	rBV	225266	263390	6.75%	0.534%
54	14.548	2070	2074	2081	rVB4	176435	302132	7.74%	0.613%
55	14.645	2081	2090	2093	rBV2	227911	383914	9.84%	0.779%
56	14.694	2093	2098	2101	rBV	529003	907791	23.27%	1.841%
57	14.731	2101	2104	2109	rVB2	472666	736554	18.88%	1.494%
58	14.810	2109	2117	2123	rBV3	970423	2321752	59.51%	4.708%
59	14.859	2123	2125	2133	rVB2	162391	253494	6.50%	0.514%
60	14.962	2134	2142	2151	rBV2	950840	2189642	56.12%	4.440%
61	15.072	2155	2160	2163	rBV3	282059	482505	12.37%	0.978%
62	15.188	2172	2179	2186	rVB3	376365	913609	23.42%	1.853%
63	15.255	2187	2190	2198	rVB7	71520	158214	4.06%	0.321%
64	15.334	2198	2203	2205	rBV5	140329	246793	6.33%	0.500%
65	15.371	2205	2209	2214	rVB	303031	496188	12.72%	1.006%
66	15.426	2214	2218	2222	rBV	277724	442118	11.33%	0.897%
67	15.481	2222	2227	2229	rBV2	208972	331596	8.50%	0.672%
68	15.560	2237	2240	2249	rVB3	341522	593962	15.22%	1.204%
69	15.663	2249	2257	2264	rBV3	312150	727802	18.65%	1.476%
70	15.737	2266	2269	2274	rVB3	65051	96451	2.47%	0.196%
71	15.834	2277	2285	2286	rVV3	158527	327302	8.39%	0.664%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	15.871	2286	2291	2298	rVB	508026	987541	25.31%	2.003%
73	15.962	2301	2306	2311	rBV6	68180	152395	3.91%	0.309%
74	16.035	2311	2318	2323	rVB3	116030	291385	7.47%	0.591%
75	16.188	2334	2343	2348	rBV	234332	559531	14.34%	1.135%
76	16.297	2358	2361	2365	rVB4	33407	46600	1.19%	0.094%
77	16.383	2368	2375	2380	rVV3	203713	456529	11.70%	0.926%
78	16.450	2380	2386	2391	rVV	284278	617325	15.82%	1.252%
79	16.505	2391	2395	2401	rVB	151651	274091	7.02%	0.556%
80	16.651	2412	2419	2426	rBV3	145981	390170	10.00%	0.791%

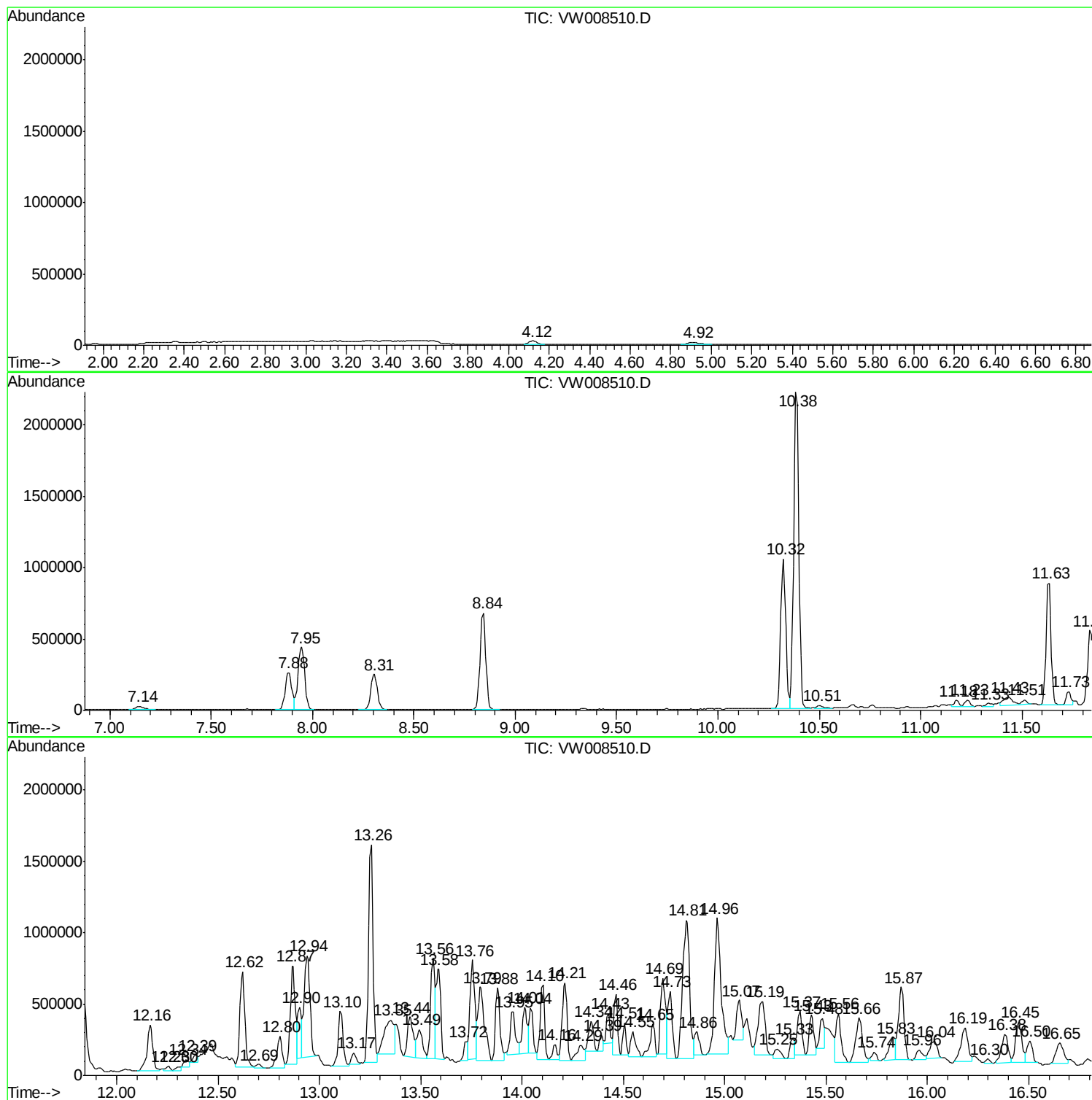
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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



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Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

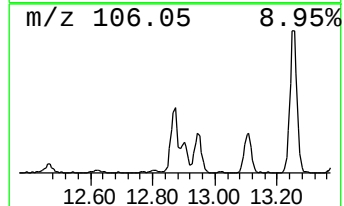
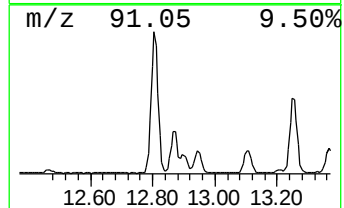
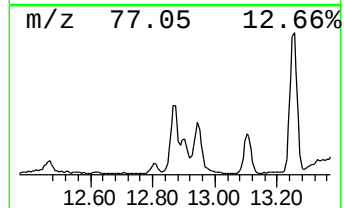
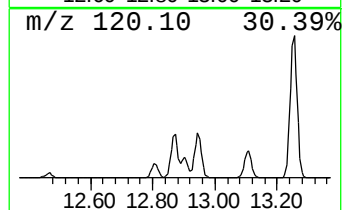
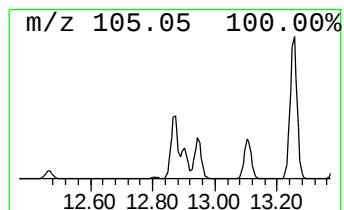
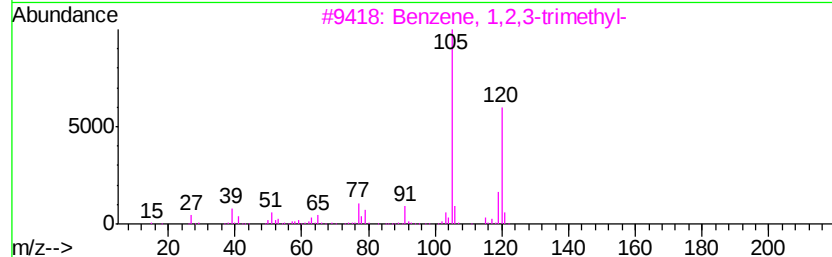
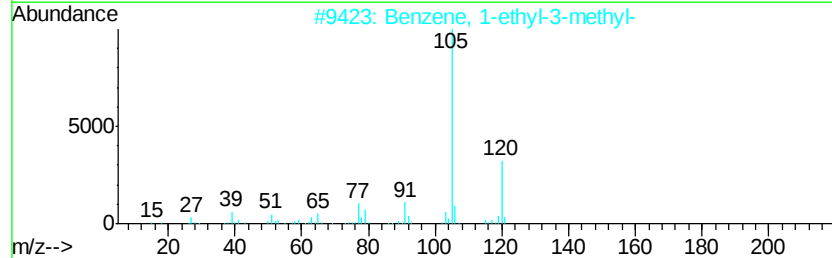
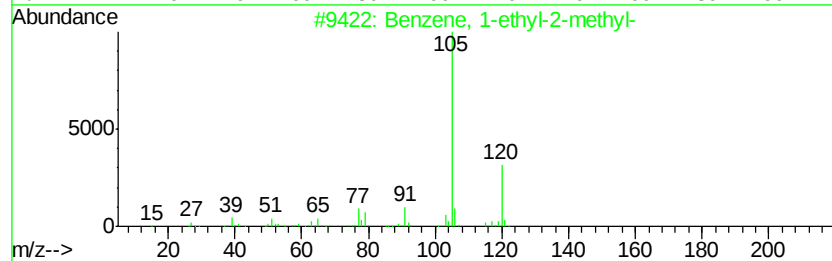
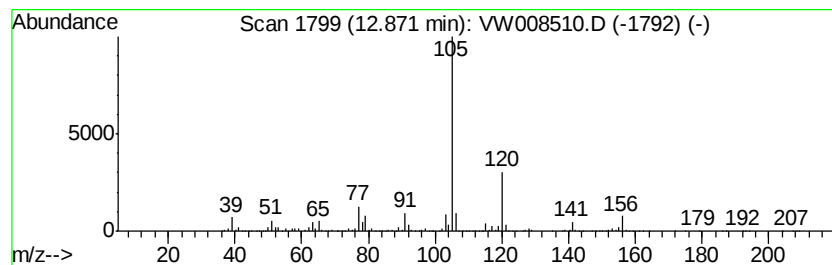
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	57.43 ug/l	1250620	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	94
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4		Mesitylene	120	C9H12	000108-67-8	87
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87



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Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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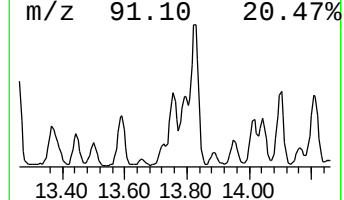
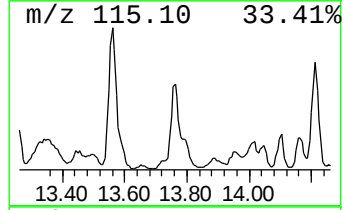
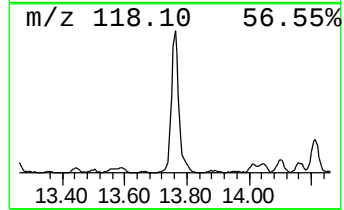
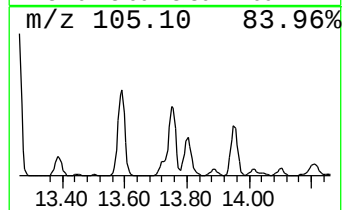
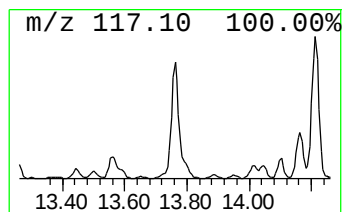
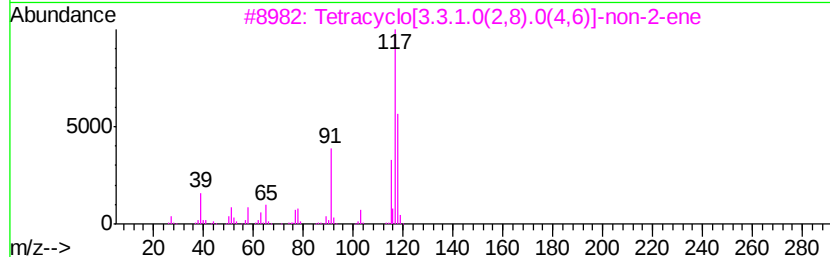
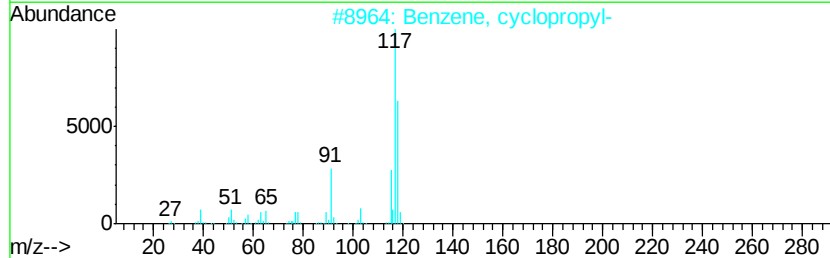
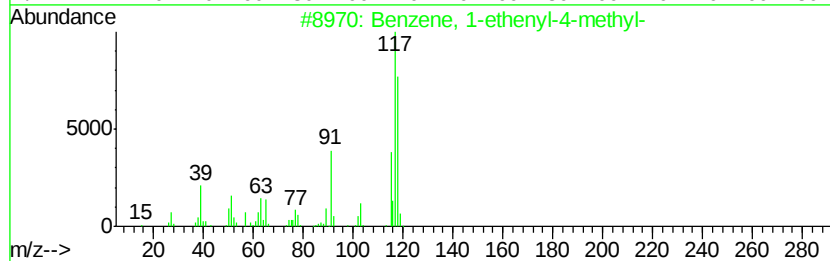
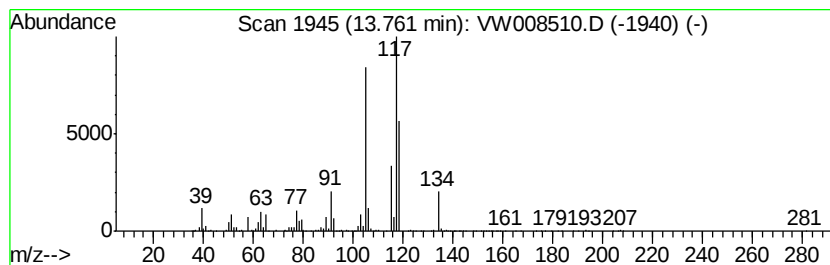
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Benzene, 1-ethenyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	52.17 ug/l	1136050	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	45
3		Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	43
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	43
5		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	43



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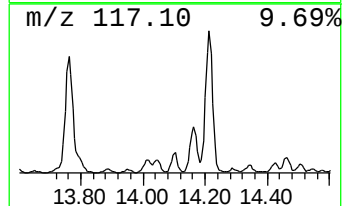
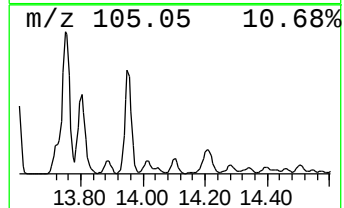
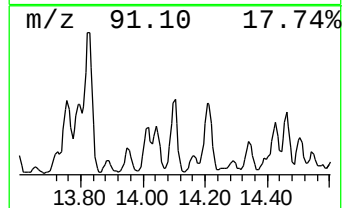
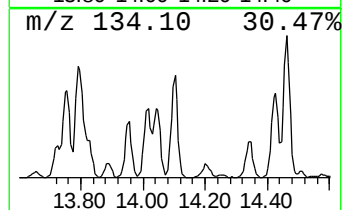
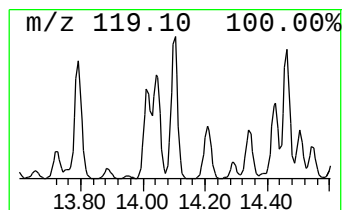
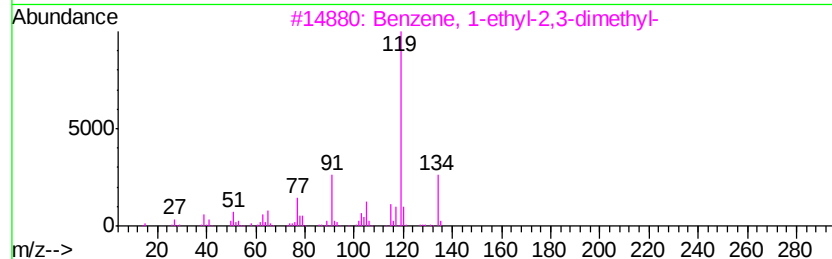
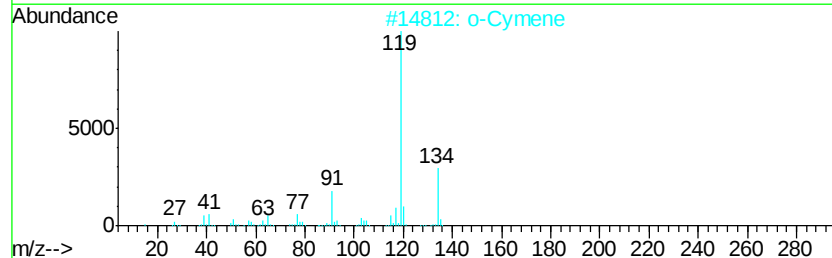
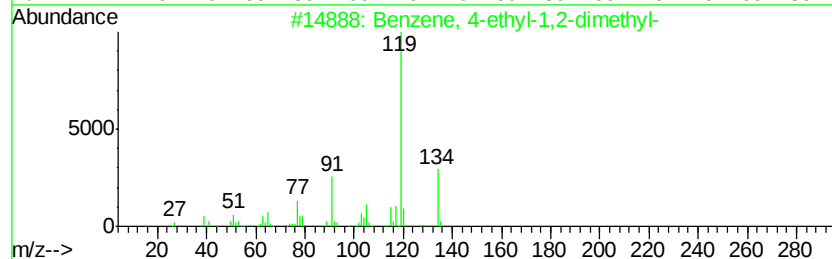
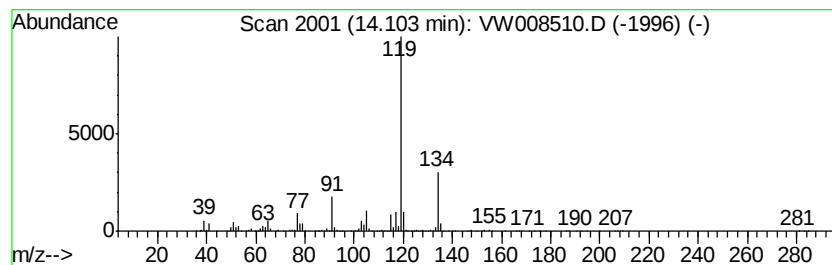
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	37.09 ug/l	807810	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



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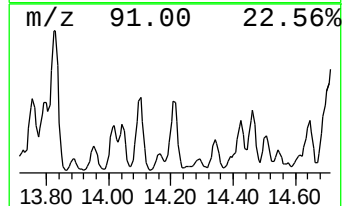
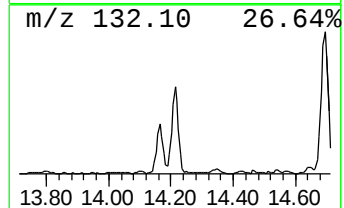
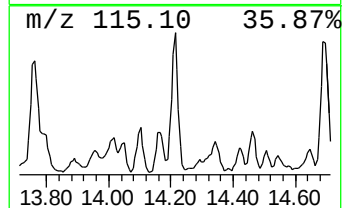
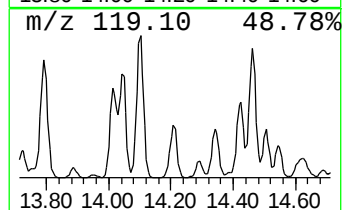
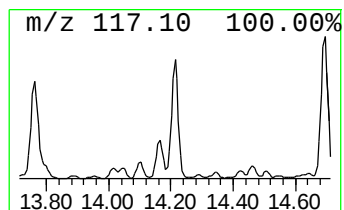
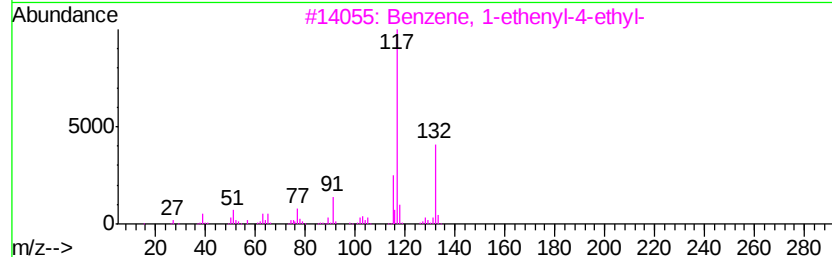
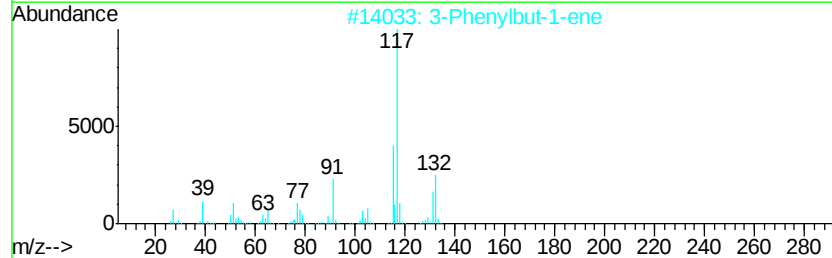
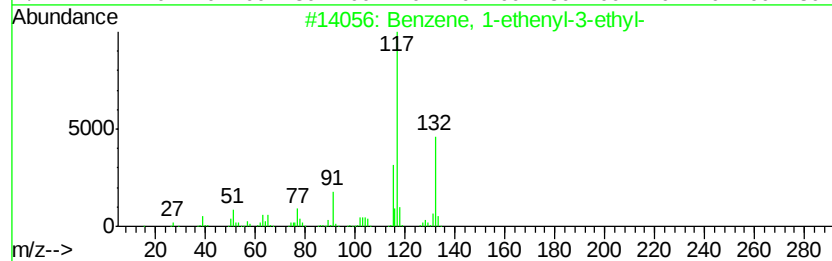
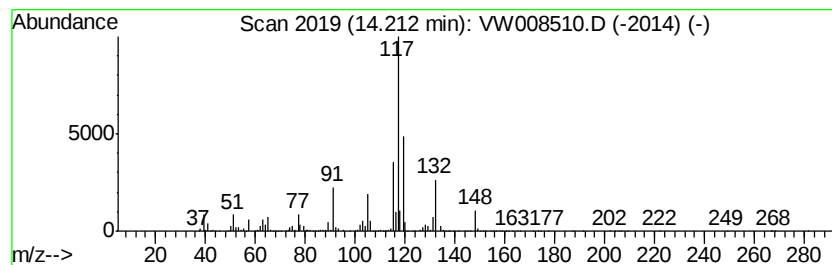
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	41.03 ug/l	893507	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	62
5		Indan, 1-methyl-	132	C10H12	000767-58-8	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

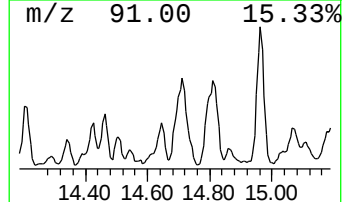
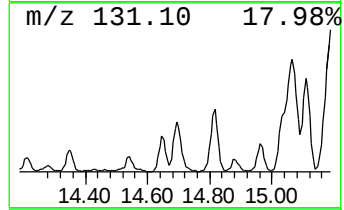
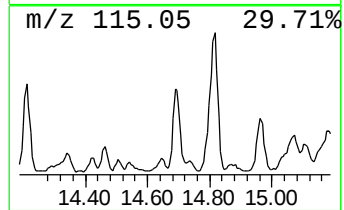
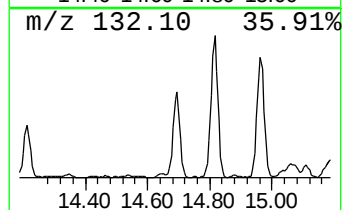
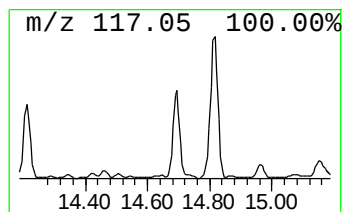
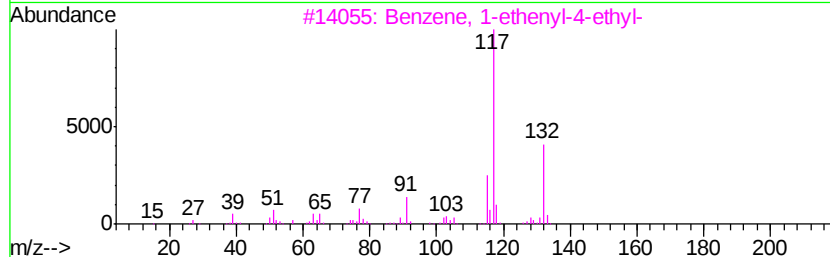
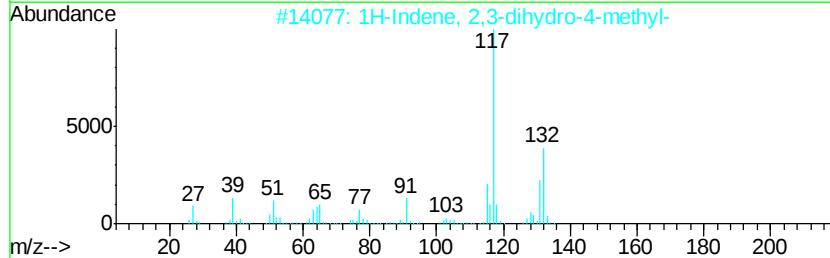
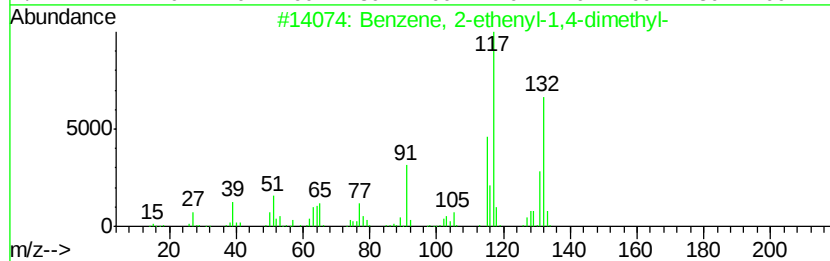
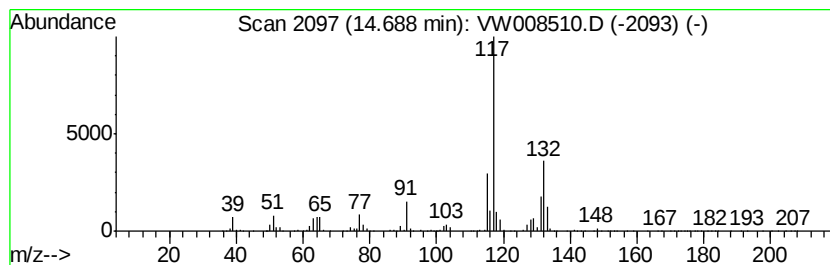
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	41.69 ug/l	907791	1,4-Dichlorobenzene-d4	13.56

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
5	Indan, 1-methyl-	132	C10H12	000767-58-8	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

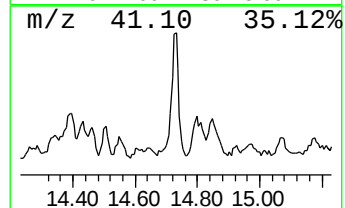
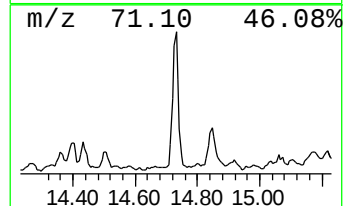
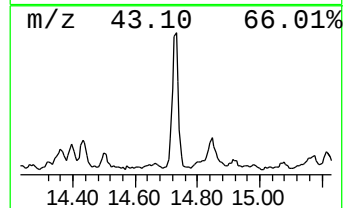
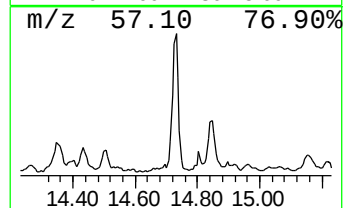
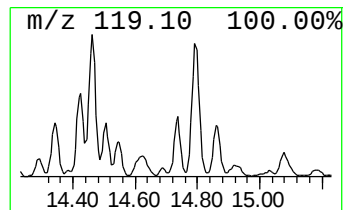
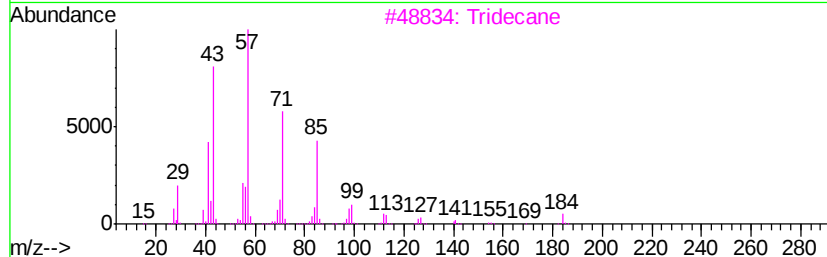
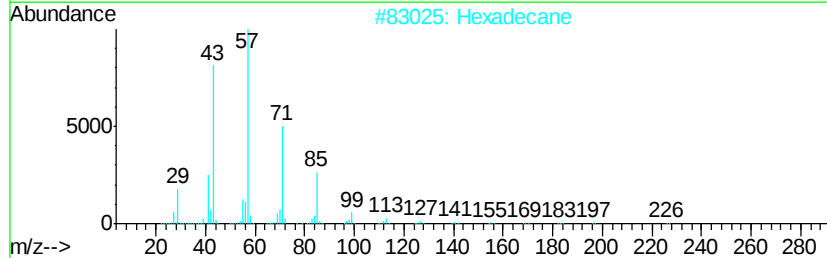
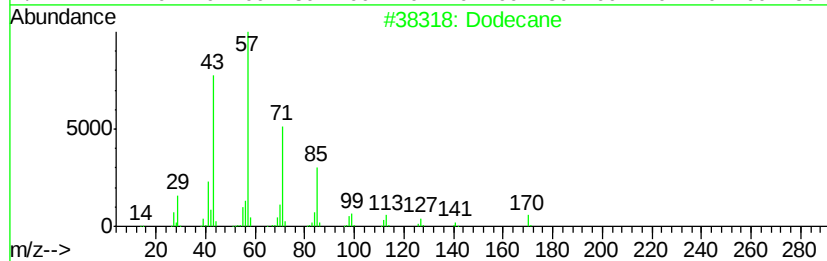
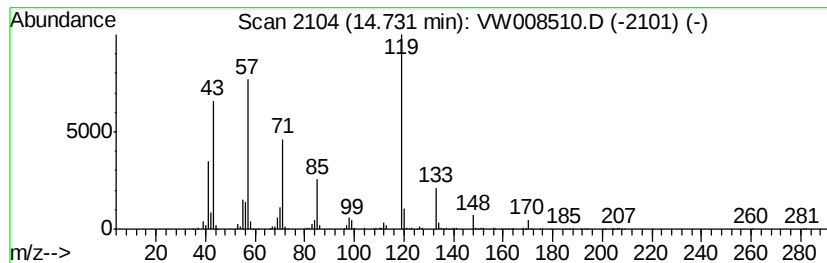
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Quant Title : SW846 8260

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

Peak Number 6 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	33.82 ug/l	736554	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	46
2		Hexadecane	226	C16H34	000544-76-3	30
3		Tridecane	184	C13H28	000629-50-5	30
4		Tetradecane	198	C14H30	000629-59-4	27
5		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

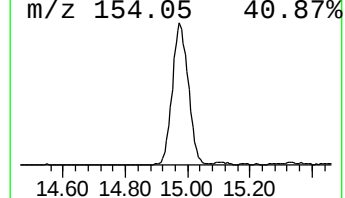
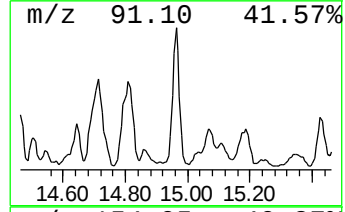
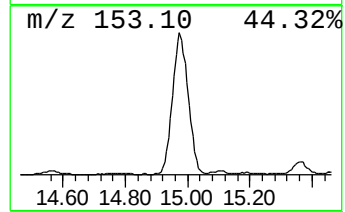
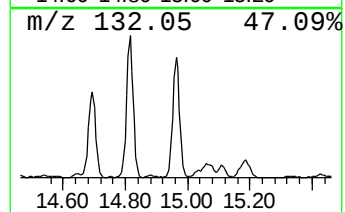
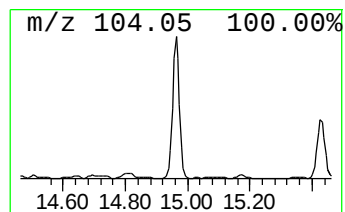
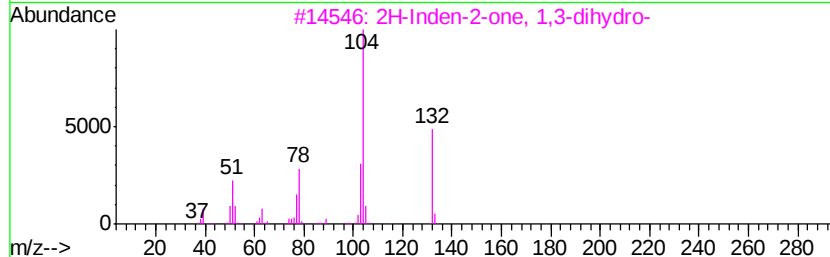
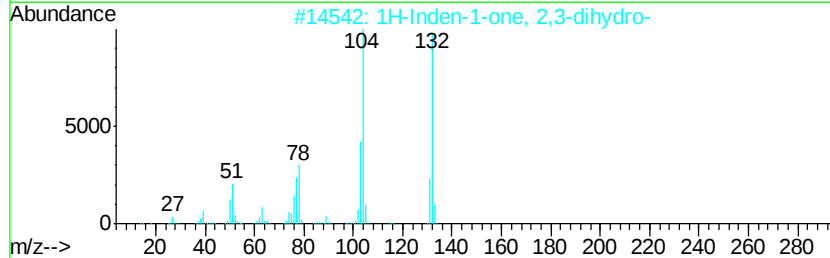
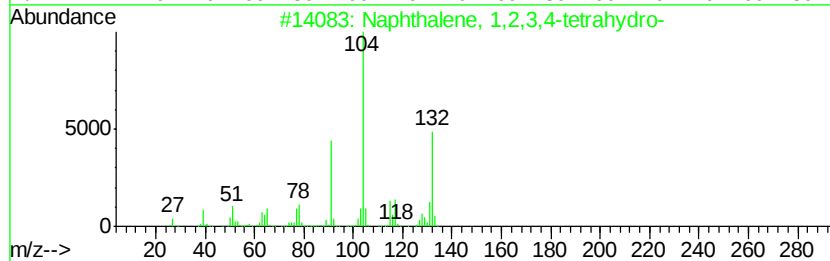
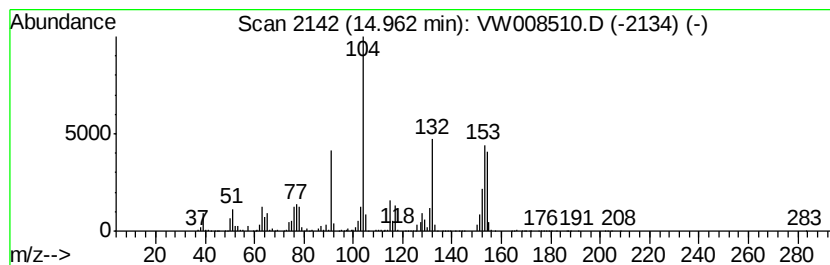
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	100.55 ug/l	2189640	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	89
2		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	38
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	35
4		Indan, epoxide	132	C9H8O	000768-22-9	35
5		2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

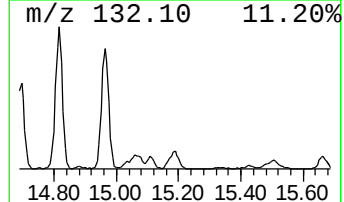
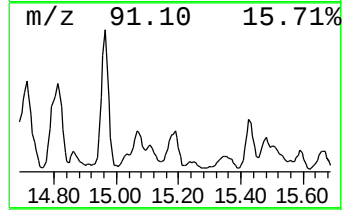
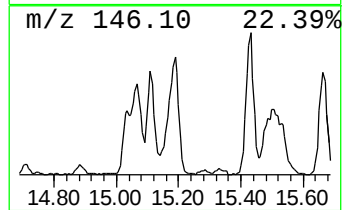
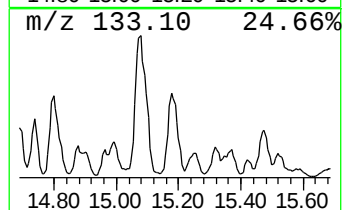
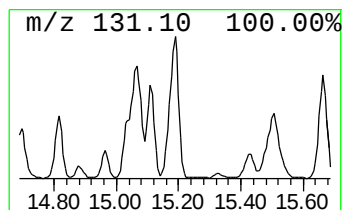
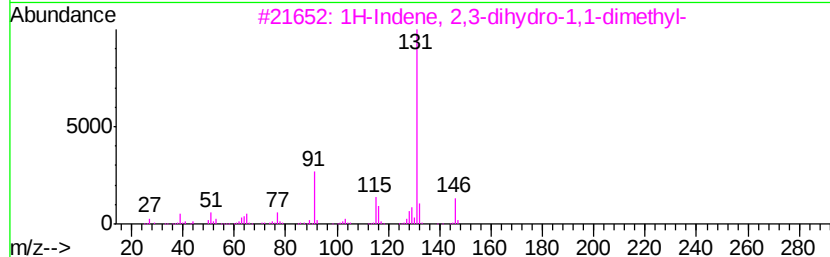
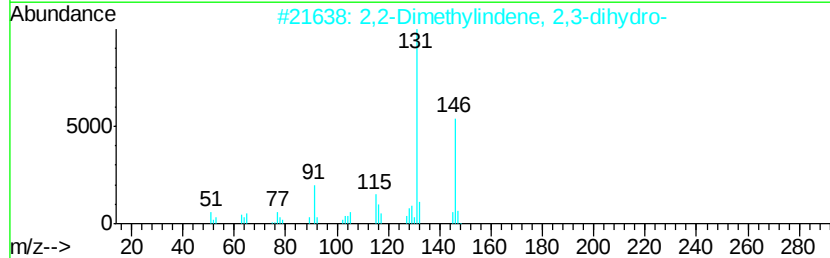
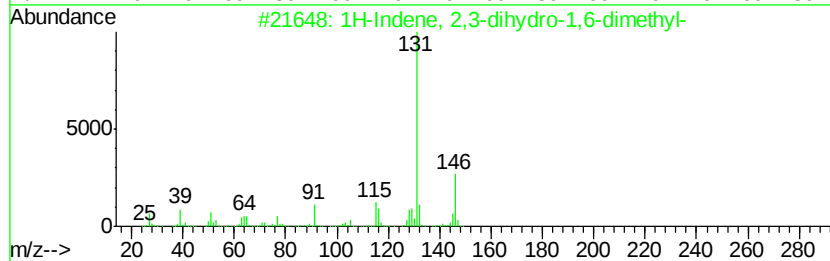
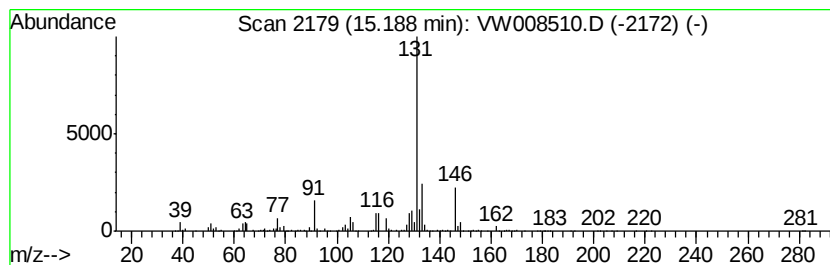
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	41.95 ug/l	913609	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
3		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	81
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

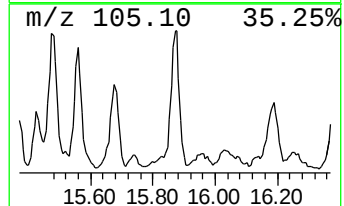
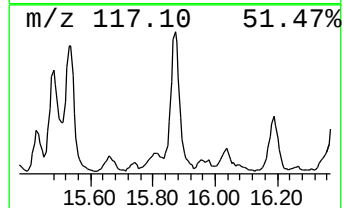
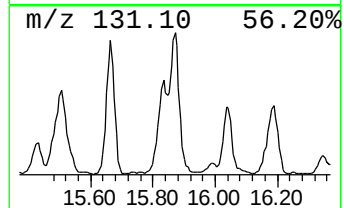
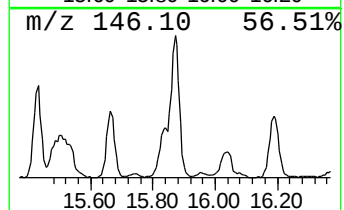
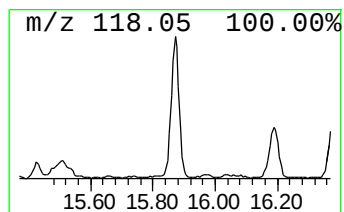
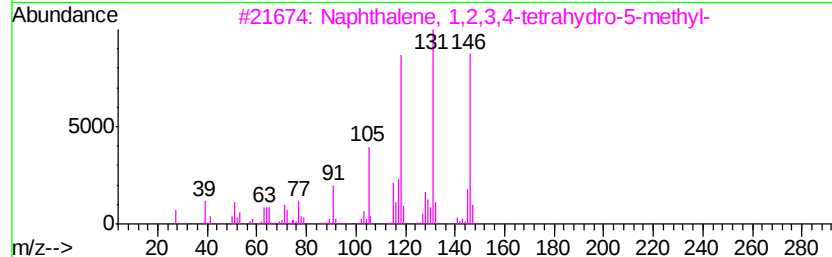
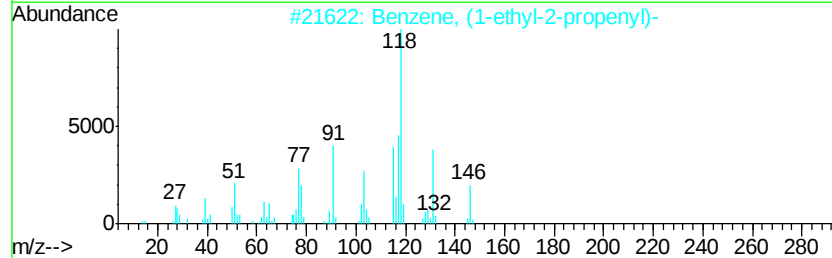
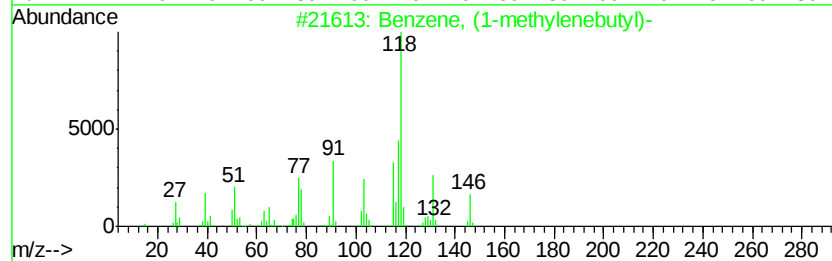
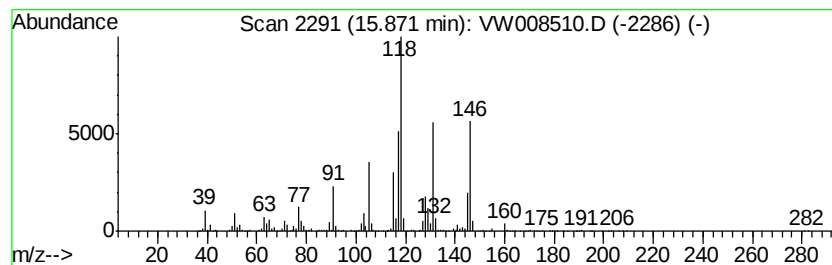
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methylenebutyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	45.35 ug/l	987541	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	80
2		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	72
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
5		5H-Benzocycloheptene, 6,7,8,9-tet...	146	C11H14	001075-16-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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	57.4	ug/l	1250620	4	13.56	1088850	50.0
Benzene, 1-etheny...	13.76	52.2	ug/l	1136050	4	13.56	1088850	50.0
Benzene, 4-ethyl-...	14.10	37.1	ug/l	807810	4	13.56	1088850	50.0
Benzene, 1-etheny...	14.21	41.0	ug/l	893507	4	13.56	1088850	50.0
Benzene, 2-etheny...	14.69	41.7	ug/l	907791	4	13.56	1088850	50.0
Dodecane	14.73	33.8	ug/l	736554	4	13.56	1088850	50.0
Naphthalene, 1,2,...	14.96	100.6	ug/l	2189640	4	13.56	1088850	50.0
1H-Indene, 2,3-di...	15.19	42.0	ug/l	913609	4	13.56	1088850	50.0
Benzene, (1-methy...	15.87	45.4	ug/l	987541	4	13.56	1088850	50.0