

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002216.D
 Acq On : 03 Apr 2020 13:43
 Operator : SY/MD
 Sample : L2112-01
 Misc : 7.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-06-040220

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_Y\METHODS\82Y032620S.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	7.742	975	985	991	rBV	102391	242451	10.11%	0.827%
2	7.809	991	996	1009	rVB	163536	367678	15.34%	1.254%
3	8.162	1044	1054	1066	rBV2	109190	239620	10.00%	0.817%
4	8.705	1135	1143	1154	rVB	285128	566620	23.64%	1.933%
5	10.193	1379	1387	1394	rBV	466514	805969	33.62%	2.749%
6	11.046	1523	1527	1532	rVB2	17892	26159	1.09%	0.089%
7	11.101	1532	1536	1541	rVB3	15245	24062	1.00%	0.082%
8	11.296	1558	1568	1578	rVB6	24561	69188	2.89%	0.236%
9	11.394	1578	1584	1588	rBV	22174	37340	1.56%	0.127%
10	11.503	1595	1602	1611	rVV	412700	680065	28.37%	2.320%
11	11.601	1611	1618	1623	rVV	79980	139981	5.84%	0.477%
12	11.711	1627	1636	1646	rVV2	365444	828347	34.56%	2.826%
13	11.790	1646	1649	1655	rVB3	32213	51693	2.16%	0.176%
14	12.040	1678	1690	1697	rBV	304184	611223	25.50%	2.085%
15	12.131	1701	1705	1709	rVV	37312	51619	2.15%	0.176%
16	12.211	1714	1718	1721	rVV2	53763	92467	3.86%	0.315%
17	12.253	1721	1725	1734	rVV4	86636	199127	8.31%	0.679%
18	12.339	1734	1739	1744	rVV	67544	118235	4.93%	0.403%
19	12.387	1744	1747	1750	rVV3	25184	49477	2.06%	0.169%
20	12.424	1750	1753	1755	rVV2	48353	68257	2.85%	0.233%
21	12.448	1755	1757	1760	rVV2	40690	49518	2.07%	0.169%
22	12.491	1760	1764	1769	rVV	306519	464101	19.36%	1.583%
23	12.534	1769	1771	1774	rVV	40913	44970	1.88%	0.153%
24	12.570	1774	1777	1783	rVB5	19043	34514	1.44%	0.118%
25	12.680	1786	1795	1799	rVB	195218	355233	14.82%	1.212%
26	12.747	1799	1806	1809	rBV	673343	1093759	45.63%	3.731%
27	12.778	1809	1811	1814	rVV	325327	445188	18.57%	1.519%
28	12.820	1814	1818	1823	rVV2	811363	1282725	53.51%	4.376%
29	12.869	1823	1826	1832	rVB	58360	83840	3.50%	0.286%
30	12.979	1832	1844	1852	rBV	433634	835170	34.84%	2.849%
31	13.052	1852	1856	1862	rVB2	125985	201301	8.40%	0.687%
32	13.131	1862	1869	1875	rBV	1623068	2397164	100.00%	8.177%
33	13.259	1883	1890	1895	rBV2	119508	223750	9.33%	0.763%
34	13.326	1895	1901	1905	rBV2	266483	447720	18.68%	1.527%

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Integration Parameters: RTEINT.P

Integrator: RTE
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Filtering: 5
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35	13.375	1905	1909	1913	rVV2	116381	173709	7.25%	0.593%
36	13.436	1913	1919	1921	rVV	375588	588249	24.54%	2.007%
37	13.466	1921	1924	1929	rVB	705066	1011909	42.21%	3.452%
38	13.509	1929	1931	1934	rBV2	29162	33791	1.41%	0.115%
39	13.601	1942	1946	1948	rBV	125574	177748	7.41%	0.606%
40	13.631	1948	1951	1955	rVV2	631335	961696	40.12%	3.280%
41	13.674	1955	1958	1967	rVB3	555682	1107893	46.22%	3.779%
42	13.765	1967	1973	1977	rBV3	365190	575603	24.01%	1.963%
43	13.832	1977	1984	1990	rBV	294189	450283	18.78%	1.536%
44	13.893	1990	1994	1997	rBV	286818	456131	19.03%	1.556%
45	13.924	1997	1999	2004	rVB	357750	470285	19.62%	1.604%
46	13.985	2004	2009	2014	rVB	459335	661382	27.59%	2.256%
47	14.039	2014	2018	2021	rBV	86159	123339	5.15%	0.421%
48	14.088	2021	2026	2031	rVB	479008	764722	31.90%	2.609%
49	14.143	2031	2035	2036	rBV	60053	71034	2.96%	0.242%
50	14.222	2043	2048	2052	rBV2	184136	301653	12.58%	1.029%
51	14.271	2052	2056	2058	rVV4	104220	166359	6.94%	0.567%
52	14.308	2058	2062	2065	rVV	211578	354369	14.78%	1.209%
53	14.344	2065	2068	2072	rVV	382749	525043	21.90%	1.791%
54	14.393	2072	2076	2079	rVV	146431	188257	7.85%	0.642%
55	14.430	2079	2082	2086	rVV2	122596	160433	6.69%	0.547%
56	14.497	2090	2093	2094	rVV3	22522	28413	1.19%	0.097%
57	14.533	2094	2099	2102	rVV2	140320	208471	8.70%	0.711%
58	14.576	2102	2106	2111	rVV3	227303	420268	17.53%	1.434%
59	14.625	2111	2114	2118	rVB2	216887	294638	12.29%	1.005%
60	14.686	2118	2124	2131	rBV3	614453	1387318	57.87%	4.732%
61	14.753	2131	2135	2140	rVB3	95397	156998	6.55%	0.536%
62	14.844	2145	2150	2158	rVB	412314	604368	25.21%	2.062%
63	14.917	2158	2162	2164	rBV2	48276	68319	2.85%	0.233%
64	14.954	2164	2168	2172	rVV3	161283	312197	13.02%	1.065%
65	14.991	2172	2174	2180	rVV2	110487	156409	6.52%	0.534%
66	15.064	2181	2186	2196	rVB2	202999	441105	18.40%	1.505%
67	15.155	2196	2201	2205	rVB5	33518	60337	2.52%	0.206%
68	15.216	2205	2211	2214	rBV4	44056	100988	4.21%	0.344%
69	15.308	2221	2226	2230	rBV	153950	250621	10.45%	0.855%
70	15.362	2230	2235	2237	rBV	96371	174547	7.28%	0.595%
71	15.448	2246	2249	2257	rVB4	64429	119165	4.97%	0.406%

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72	15.533	2257	2263	2271	rBV4	89538	202011	8.43%	0.689%
73	15.618	2271	2277	2281	rVV4	24334	42417	1.77%	0.145%
74	15.704	2281	2291	2293	rBV4	73352	174711	7.29%	0.596%
75	15.740	2293	2297	2305	rVB	249031	445263	18.57%	1.519%
76	15.832	2307	2312	2317	rVB4	34741	57474	2.40%	0.196%
77	15.905	2318	2324	2330	rBV4	52396	115872	4.83%	0.395%
78	16.051	2339	2348	2355	rBV	150019	324364	13.53%	1.106%
79	16.246	2371	2380	2386	rBV3	106341	238969	9.97%	0.815%
80	16.307	2386	2390	2397	rBV3	54573	112880	4.71%	0.385%
81	16.509	2416	2423	2429	rBV7	46727	132278	5.52%	0.451%
82	16.563	2429	2432	2438	rVV2	29865	58130	2.42%	0.198%
83	16.643	2440	2445	2454	rVB5	28987	75118	3.13%	0.256%

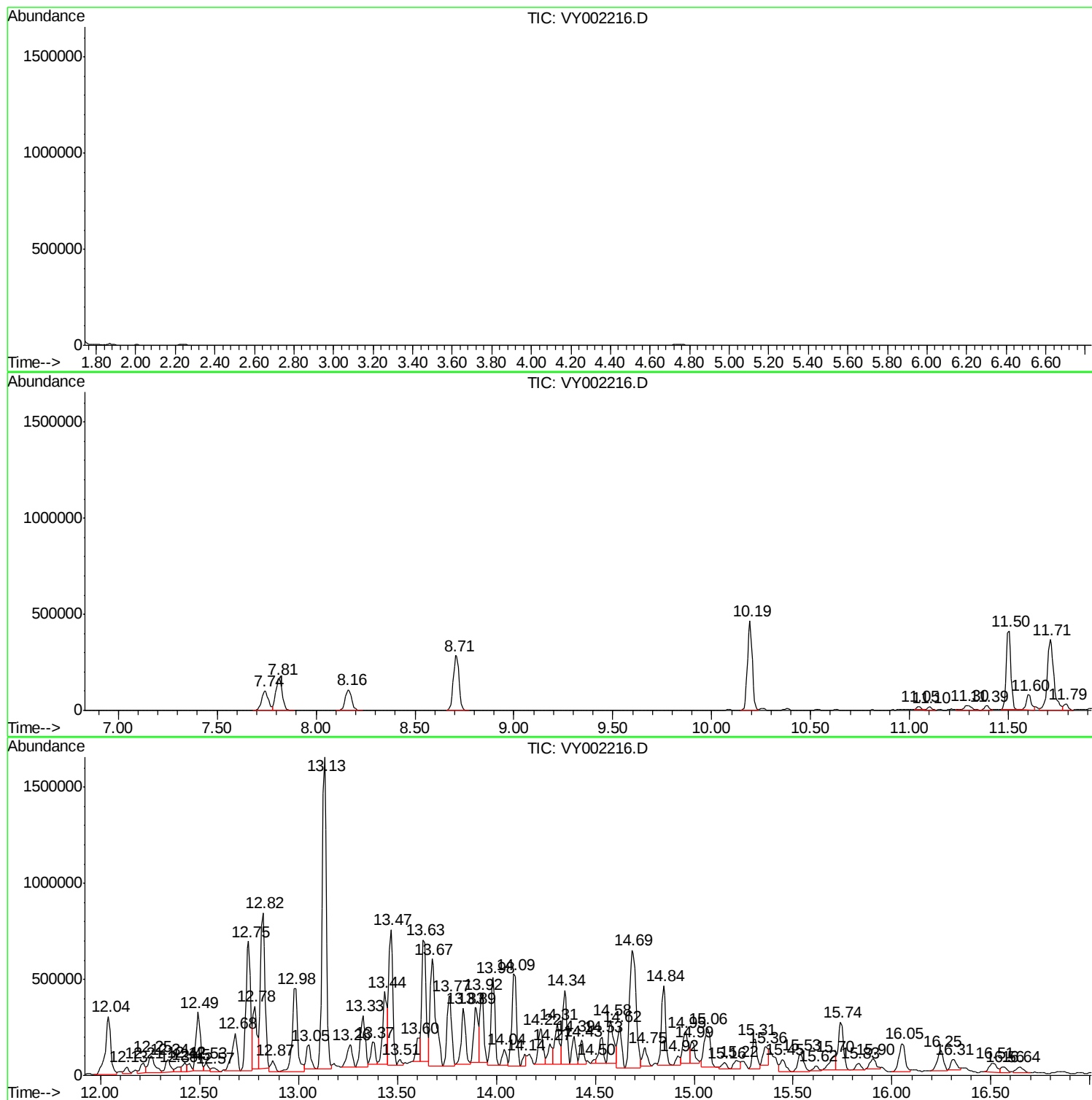
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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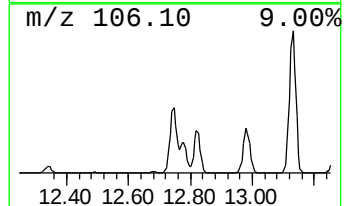
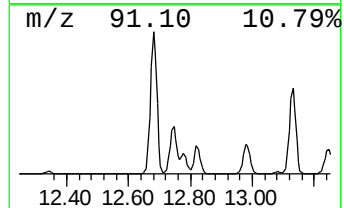
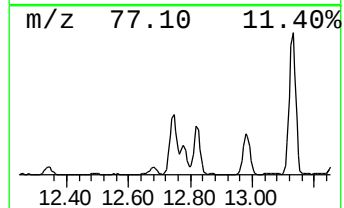
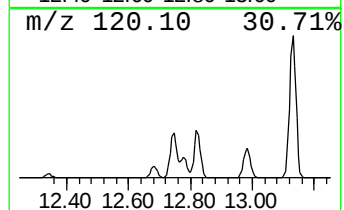
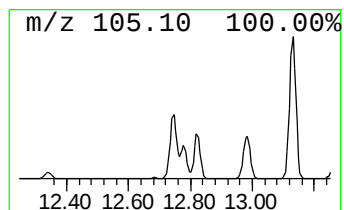
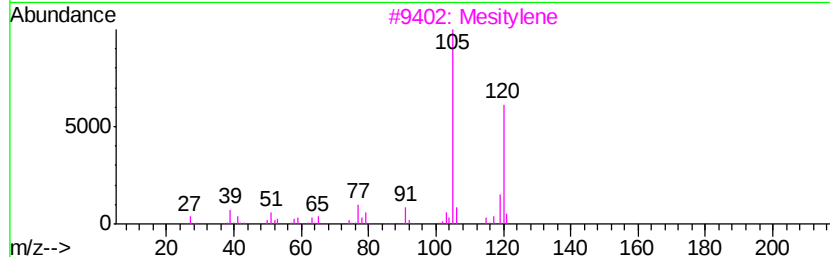
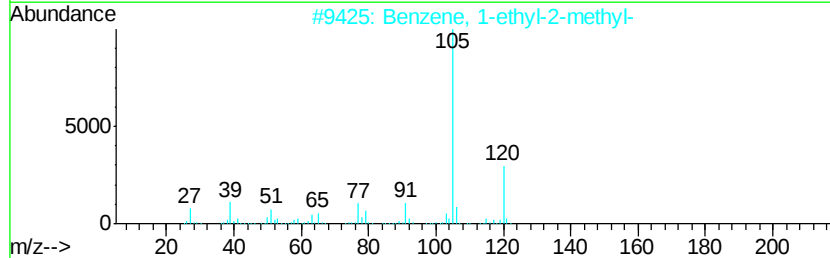
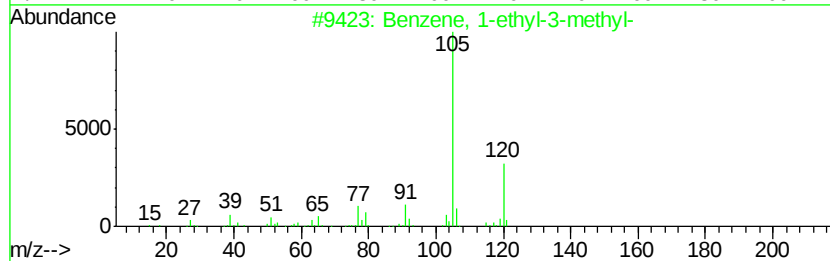
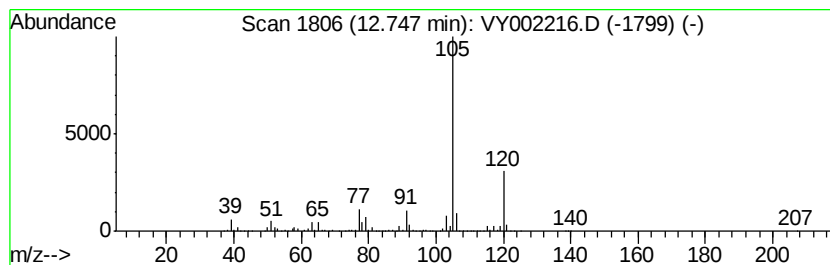
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	92.97 ug/l	1093760	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



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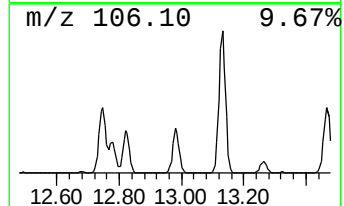
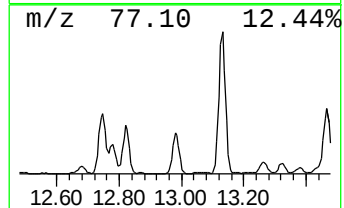
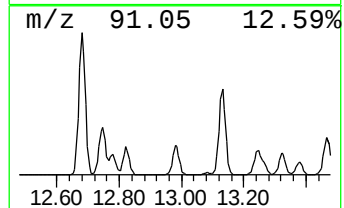
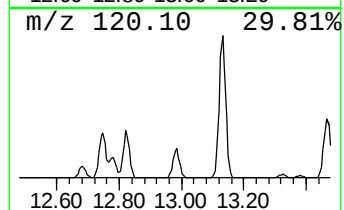
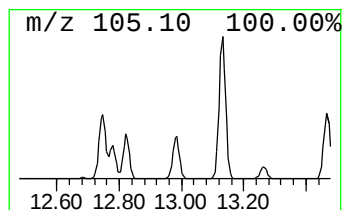
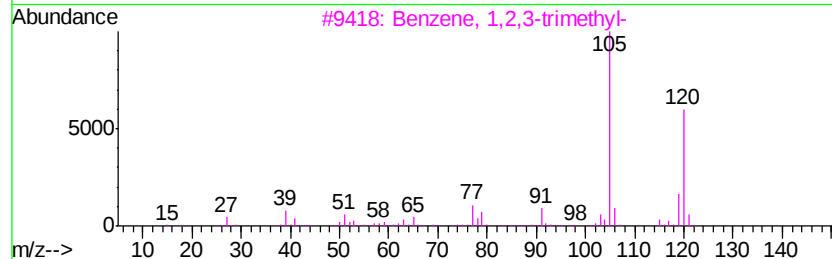
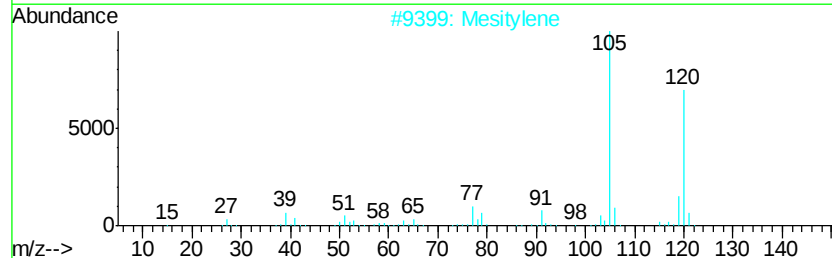
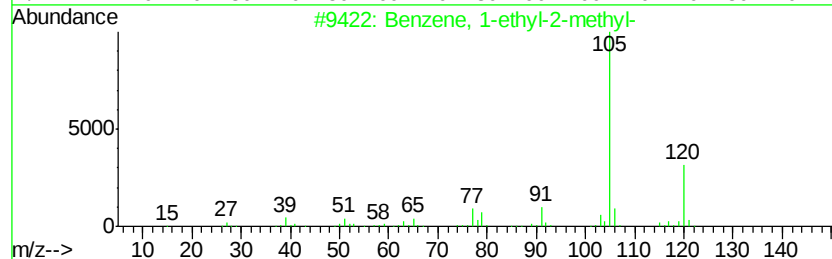
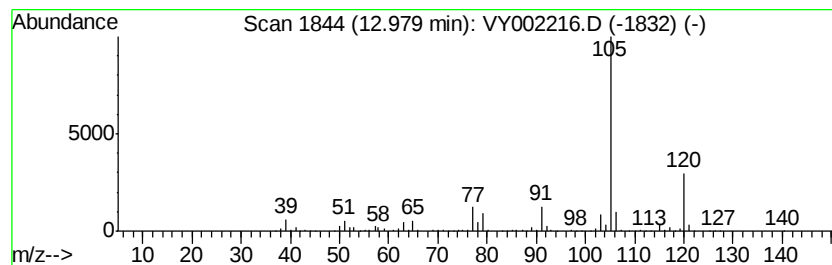
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	70.99 ug/l	835170	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2		Mesitylene	120	C9H12	000108-67-8	90
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



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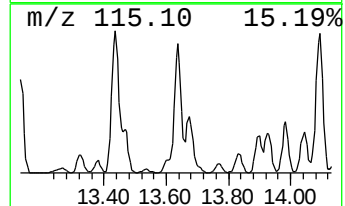
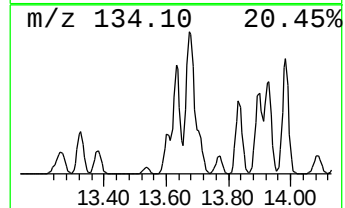
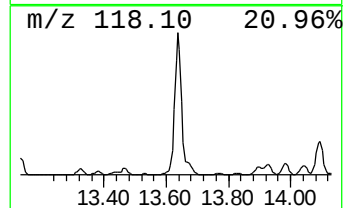
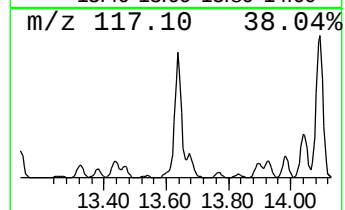
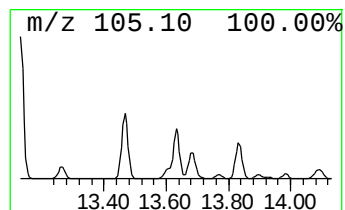
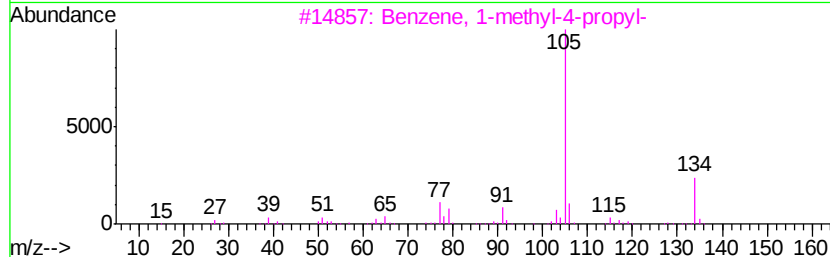
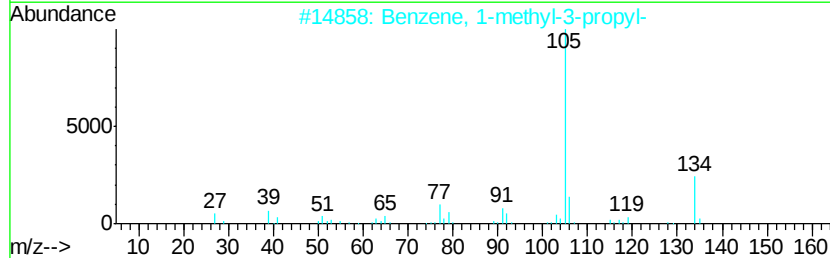
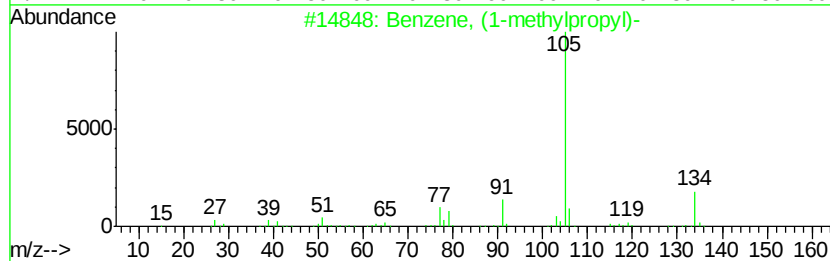
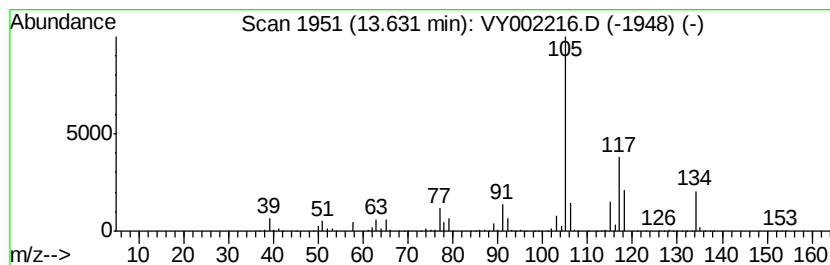
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Quant Title : SW846 8260

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

Peak Number 3 Benzene, (1-methylpropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	81.74 ug/l	961696	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	55
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	55
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
4		2-Indanol	134	C9H10O	004254-29-9	47
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43



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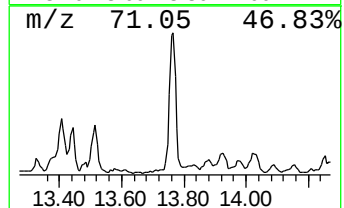
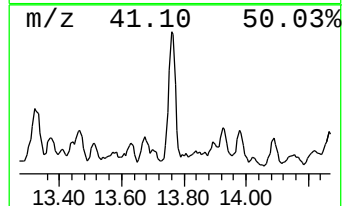
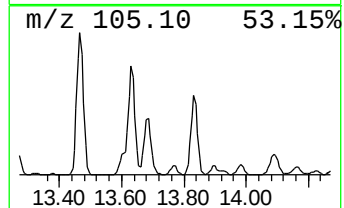
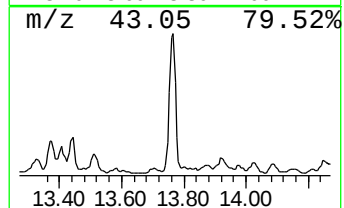
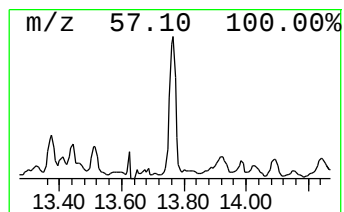
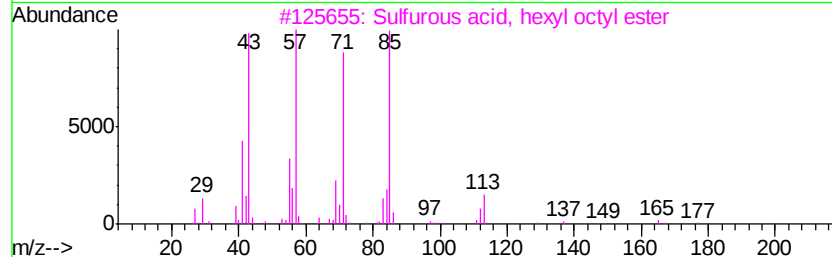
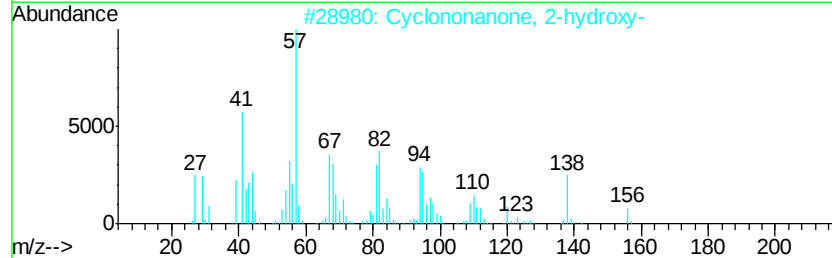
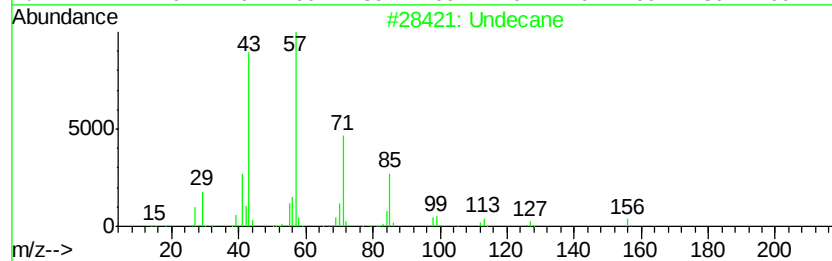
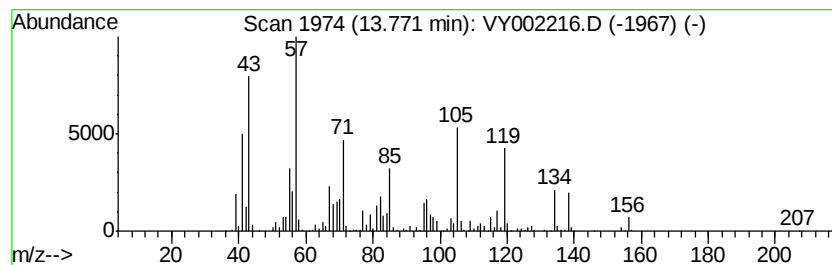
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 Quant Title : SW846 8260

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

 Peak Number 4 unknown13.77 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	48.93 ug/l	575603	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	38
2		Cyclonononane, 2-hydroxy-	156	C9H16O2	000496-83-3	25
3		Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	22
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	22
5		Tridecane	184	C13H28	000629-50-5	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
Data File : VY002216.D
Acq On : 03 Apr 2020 13:43
Operator : SY/MD
Sample : L2112-01
Misc : 7.21G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-040220

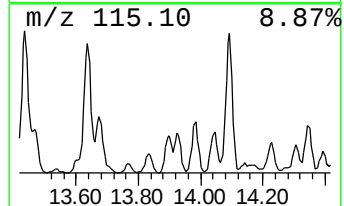
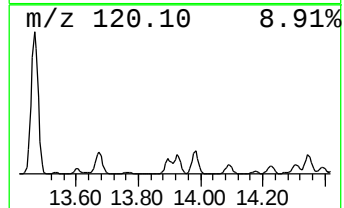
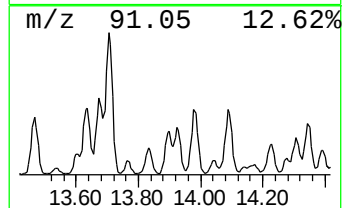
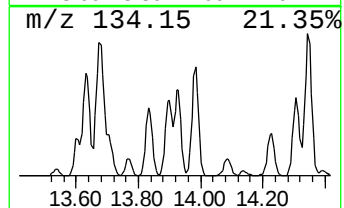
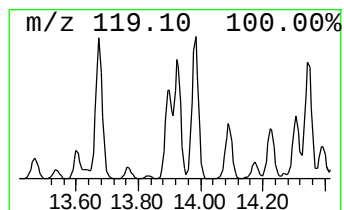
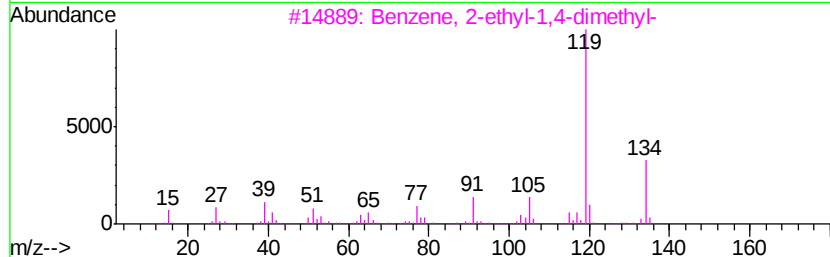
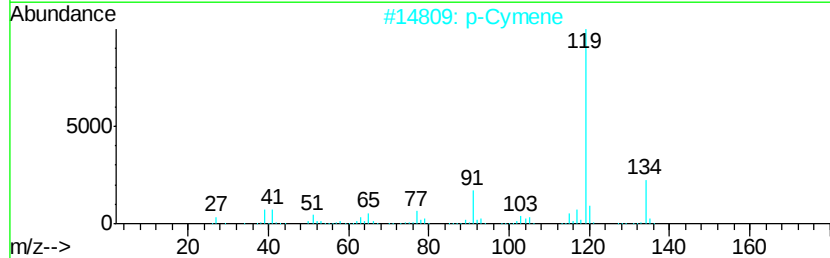
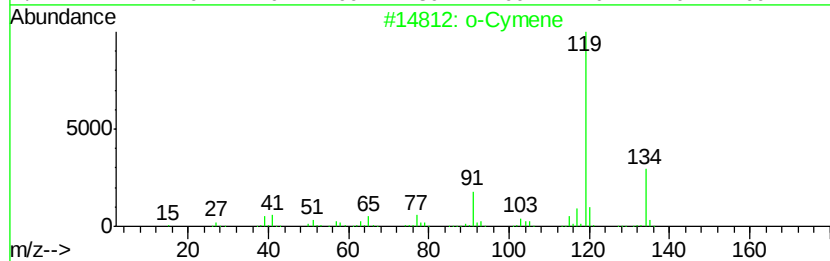
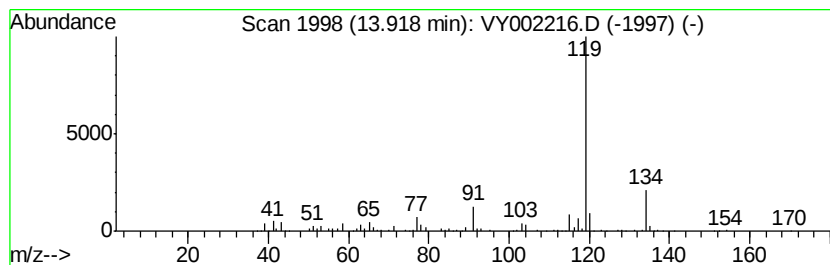
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	39.97 ug/l	470285	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		p-Cymene	134	C10H14	000099-87-6	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
Data File : VY002216.D
Acq On : 03 Apr 2020 13:43
Operator : SY/MD
Sample : L2112-01
Misc : 7.21G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-040220

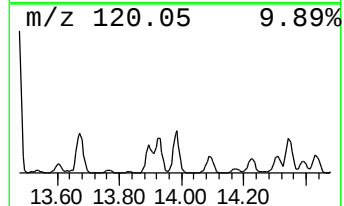
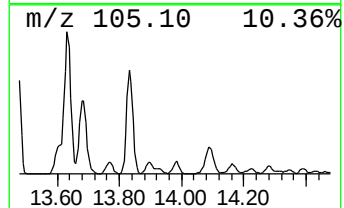
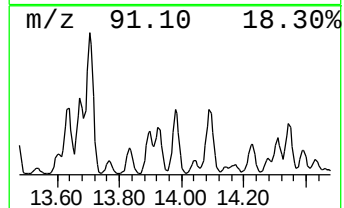
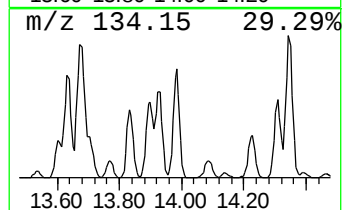
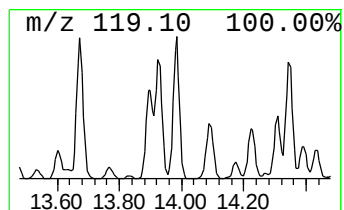
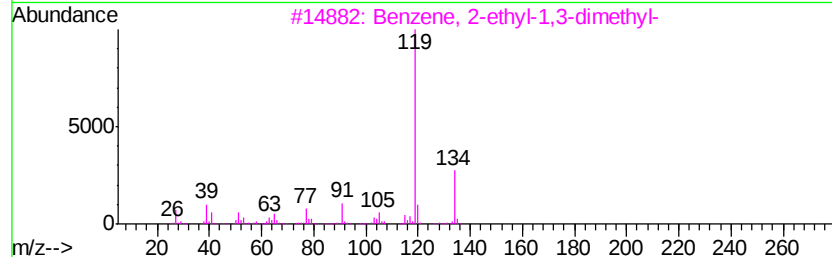
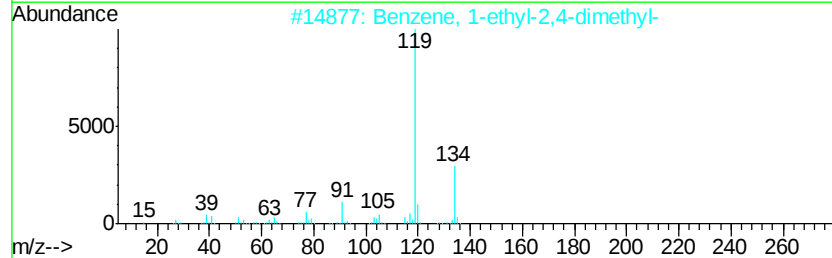
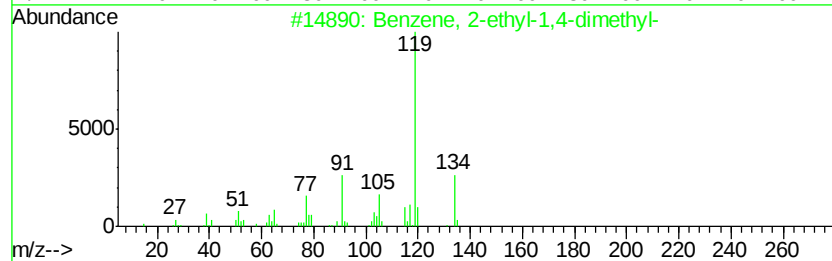
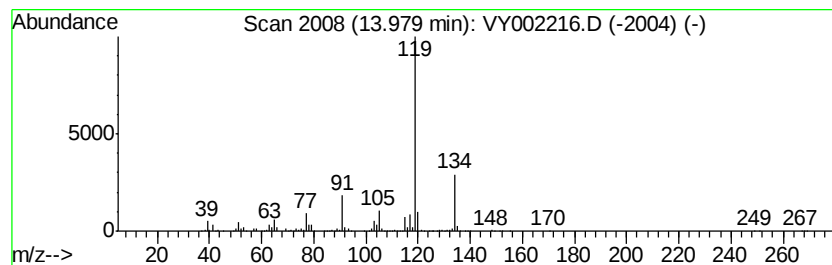
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	56.22 ug/l	661382	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
Data File : VY002216.D
Acq On : 03 Apr 2020 13:43
Operator : SY/MD
Sample : L2112-01
Misc : 7.21G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-040220

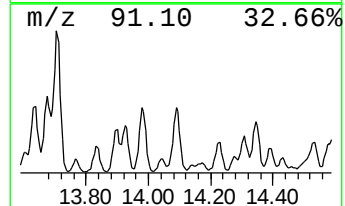
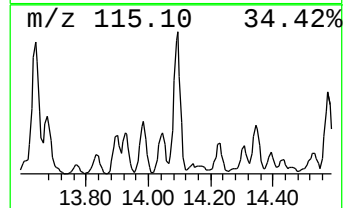
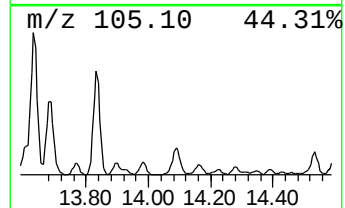
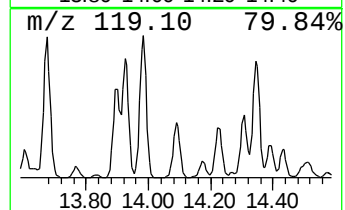
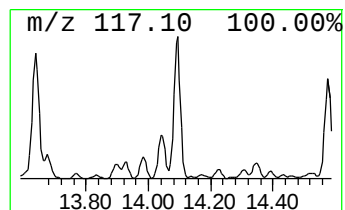
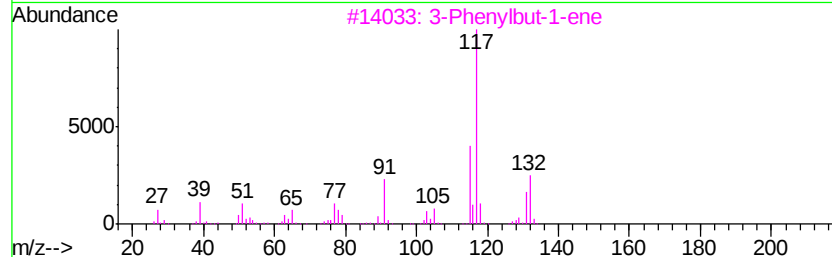
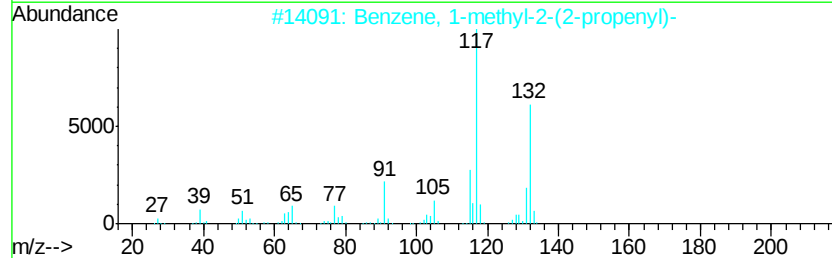
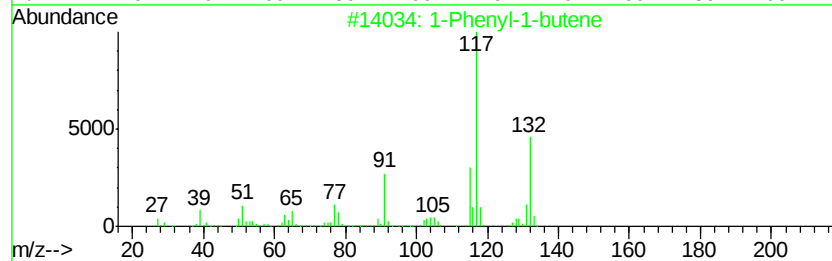
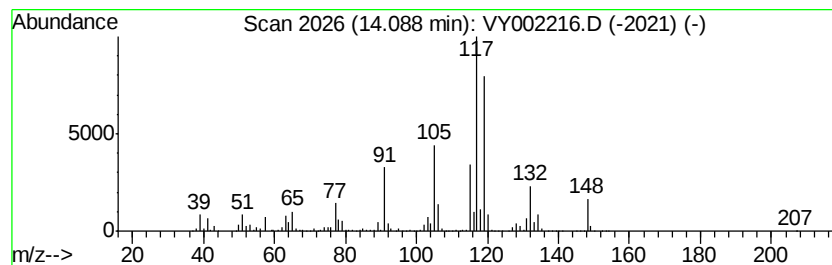
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Quant Title : SW846 8260

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

Peak Number 7 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	65.00 ug/l	764722	1,4-Dichlorobenzene-d4	13.44

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
Data File : VY002216.D
Acq On : 03 Apr 2020 13:43
Operator : SY/MD
Sample : L2112-01
Misc : 7.21G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-040220

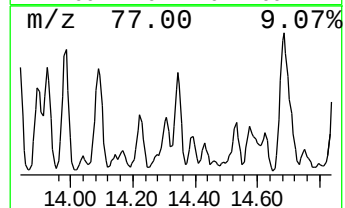
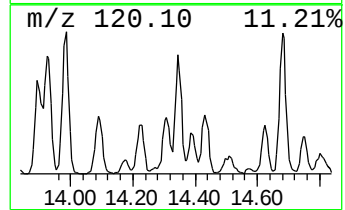
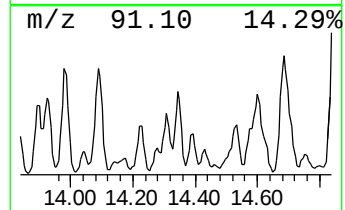
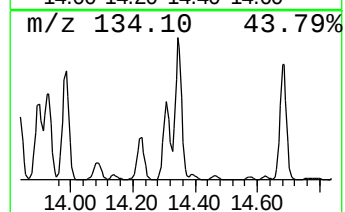
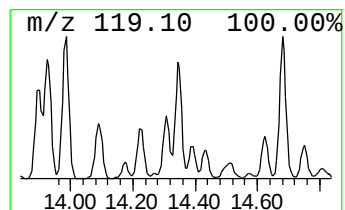
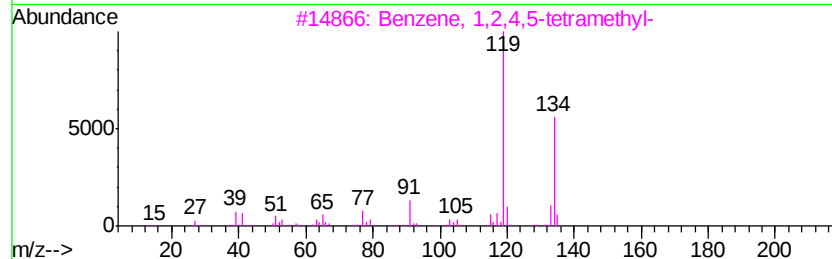
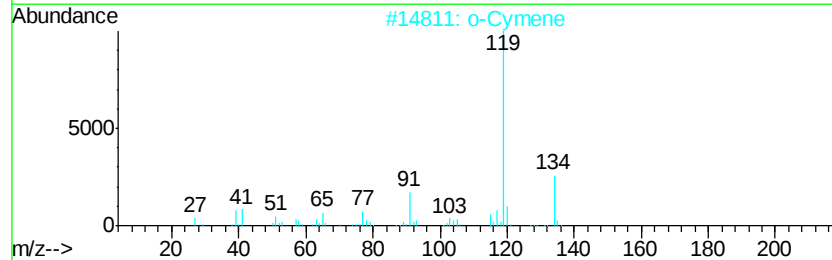
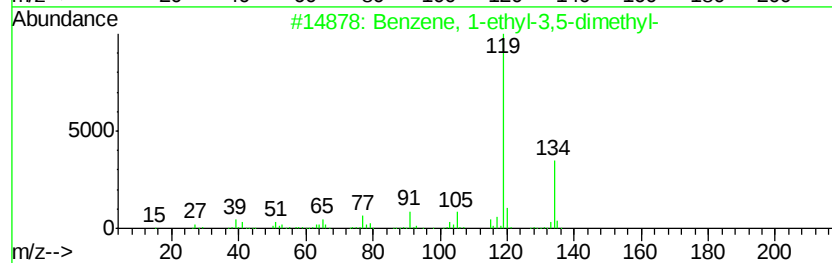
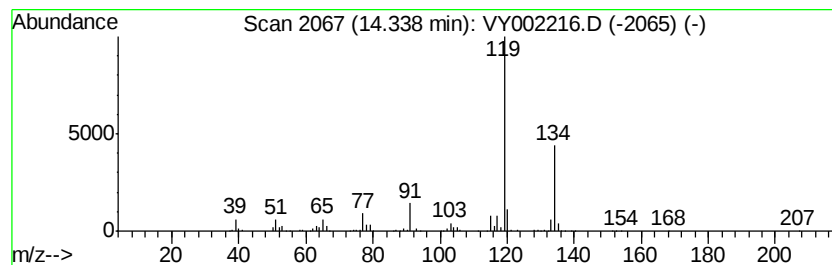
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	44.63 ug/l	525043	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
Data File : VY002216.D
Acq On : 03 Apr 2020 13:43
Operator : SY/MD
Sample : L2112-01
Misc : 7.21G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-040220

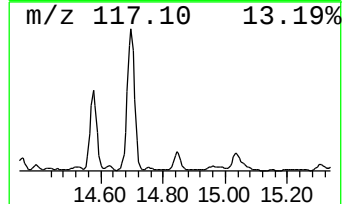
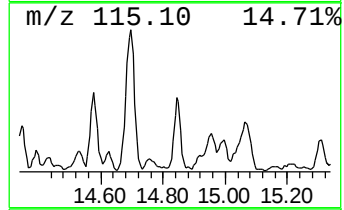
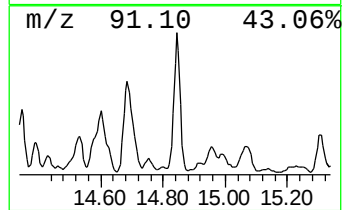
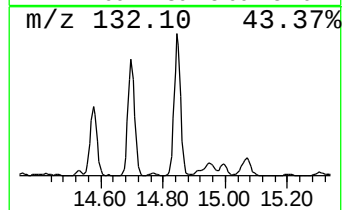
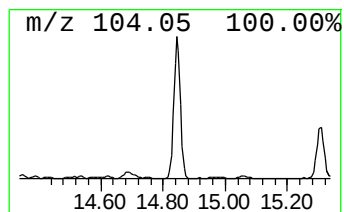
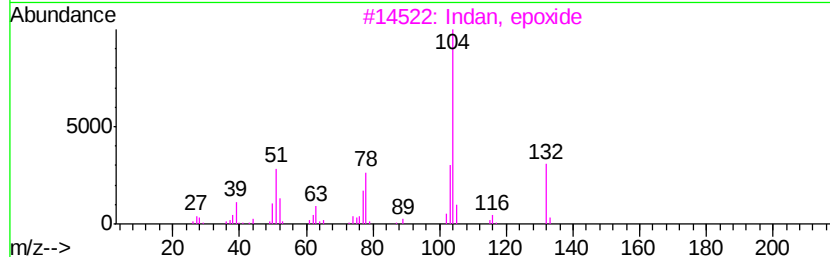
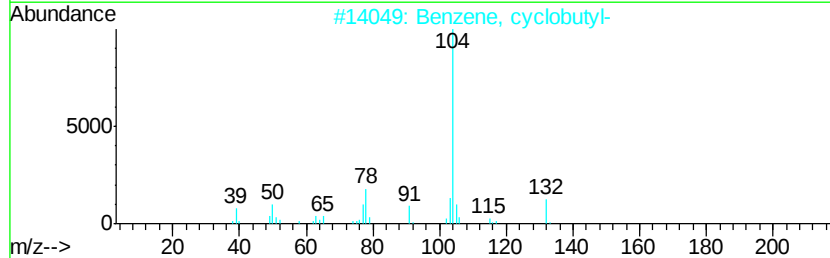
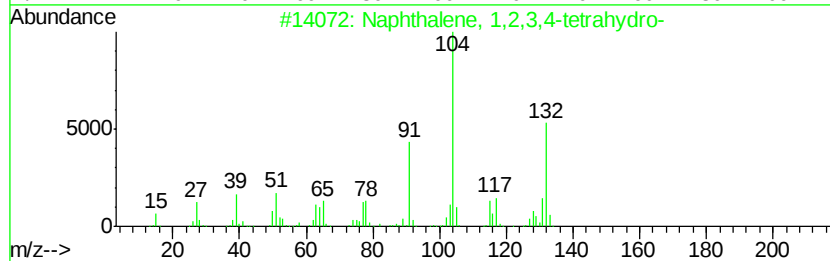
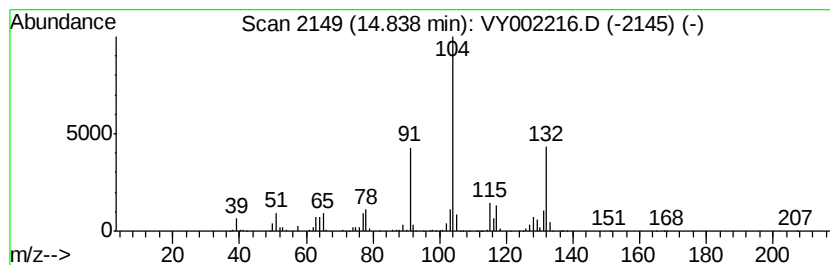
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	51.37 ug/l	604368	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2		Benzene, cyclobutyl-	132	C10H12	004392-30-7	59
3		Indan, epoxide	132	C9H8O	000768-22-9	58
4		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	40
5		Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY040320\
 Data File : VY002216.D
 Acq On : 03 Apr 2020 13:43
 Operator : SY/MD
 Sample : L2112-01
 Misc : 7.21G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-06-040220

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.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-...	12.75	93.0	ug/l	1093760	4	13.44	588249	50.0
Benzene, 1-ethyl-...	12.98	71.0	ug/l	835170	4	13.44	588249	50.0
Benzene, (1-methy...	13.63	81.7	ug/l	961696	4	13.44	588249	50.0
unknown13.77	13.77	48.9	ug/l	575603	4	13.44	588249	50.0
o-Cymene	13.92	40.0	ug/l	470285	4	13.44	588249	50.0
Benzene, 2-ethyl-...	13.98	56.2	ug/l	661382	4	13.44	588249	50.0
1-Phenyl-1-butene	14.09	65.0	ug/l	764722	4	13.44	588249	50.0
Benzene, 1-ethyl-...	14.34	44.6	ug/l	525043	4	13.44	588249	50.0
Naphthalene, 1,2,...	14.84	51.4	ug/l	604368	4	13.44	588249	50.0