

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002550.D
 Acq On : 04 May 2020 18:39
 Operator : SY/MD
 Sample : L2456-02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 201-206

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\82Y043020S.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	4.743	481	493	505	rBV3	18696	64278	3.17%	0.251%
2	4.980	523	532	543	rVB2	6292	22557	1.11%	0.088%
3	5.773	650	662	673	rBV	10119	32281	1.59%	0.126%
4	7.004	853	864	875	rBV	23148	69829	3.44%	0.273%
5	7.736	974	984	989	rBV	209285	489676	24.13%	1.912%
6	7.803	989	995	1005	rVB	351175	807001	39.77%	3.152%
7	8.157	1039	1053	1062	rBV	193990	453609	22.35%	1.772%
8	8.254	1062	1069	1077	rVV	37344	88375	4.35%	0.345%
9	8.339	1077	1083	1094	rVB2	13693	37897	1.87%	0.148%
10	8.559	1111	1119	1128	rBV2	26287	52655	2.59%	0.206%
11	8.705	1135	1143	1154	rBV	528760	1055517	52.01%	4.122%
12	9.199	1211	1224	1229	rBV3	23902	57517	2.83%	0.225%
13	9.626	1286	1294	1303	rVB3	21596	44773	2.21%	0.175%
14	9.760	1307	1316	1322	rBV2	26991	61651	3.04%	0.241%
15	9.827	1322	1327	1339	rVB3	32216	76668	3.78%	0.299%
16	9.967	1339	1350	1361	rBV3	38614	101819	5.02%	0.398%
17	10.120	1370	1375	1379	rVB	16592	25387	1.25%	0.099%
18	10.187	1379	1386	1392	rVV	875395	1481357	72.99%	5.785%
19	10.254	1392	1397	1402	rVV	305592	527736	26.00%	2.061%
20	10.309	1402	1406	1410	rVV3	20306	36272	1.79%	0.142%
21	10.376	1410	1417	1424	rVB2	58847	107938	5.32%	0.422%
22	10.583	1446	1451	1455	rBV	14278	25638	1.26%	0.100%
23	10.809	1483	1488	1492	rBV2	11443	20321	1.00%	0.079%
24	10.955	1508	1512	1519	rVV2	21270	49562	2.44%	0.194%
25	11.040	1522	1526	1531	rVV2	18728	28608	1.41%	0.112%
26	11.278	1558	1565	1577	rVB6	34514	87199	4.30%	0.341%
27	11.382	1577	1582	1587	rBV2	29702	51097	2.52%	0.200%
28	11.497	1594	1601	1607	rBV	763819	1257464	61.96%	4.911%
29	11.601	1610	1618	1625	rVV	463434	757222	37.31%	2.957%
30	11.705	1625	1635	1645	rVV	1092746	2029421	100.00%	7.926%
31	11.784	1645	1648	1654	rVB2	14975	24305	1.20%	0.095%
32	12.034	1678	1689	1697	rBV	981768	1540688	75.92%	6.017%
33	12.253	1720	1725	1733	rVB5	19647	42977	2.12%	0.168%
34	12.333	1733	1738	1744	rBV	45723	75715	3.73%	0.296%

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Integrator: RTE
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35	12.485	1756	1763	1774	rBV	634563	1005149	49.53%	3.926%
36	12.674	1786	1794	1799	rBV	252732	379825	18.72%	1.483%
37	12.741	1799	1805	1807	rVV	758582	1167475	57.53%	4.559%
38	12.772	1807	1810	1814	rVV	604556	866247	42.68%	3.383%
39	12.814	1814	1817	1823	rVB	415873	595968	29.37%	2.328%
40	12.973	1836	1843	1852	rBV	326806	519926	25.62%	2.031%
41	13.125	1861	1868	1874	rVB	1146001	1696363	83.59%	6.625%
42	13.253	1882	1889	1893	rBV3	17443	39482	1.95%	0.154%
43	13.320	1894	1900	1905	rVV2	49353	87690	4.32%	0.342%
44	13.369	1905	1908	1912	rVV	31255	45915	2.26%	0.179%
45	13.430	1912	1918	1921	rVV	768906	1285621	63.35%	5.021%
46	13.461	1921	1923	1931	rVV	445845	551550	27.18%	2.154%
47	13.595	1940	1945	1946	rVV	90187	108768	5.36%	0.425%
48	13.631	1946	1951	1954	rVV2	535535	888274	43.77%	3.469%
49	13.674	1954	1958	1967	rVV3	267369	560116	27.60%	2.187%
50	13.759	1967	1972	1976	rVV3	25890	42106	2.07%	0.164%
51	13.826	1978	1983	1988	rVV	76065	112503	5.54%	0.439%
52	13.887	1988	1993	1996	rVV	123561	205557	10.13%	0.803%
53	13.918	1996	1998	2003	rVV	138850	176875	8.72%	0.691%
54	13.979	2003	2008	2013	rVV	282385	423720	20.88%	1.655%
55	14.034	2013	2017	2021	rVV	57002	87001	4.29%	0.340%
56	14.082	2021	2025	2031	rVB	115165	183042	9.02%	0.715%
57	14.216	2042	2047	2052	rBV	58336	88577	4.36%	0.346%
58	14.302	2056	2061	2064	rVV	126791	201292	9.92%	0.786%
59	14.338	2064	2067	2072	rVV	164082	239705	11.81%	0.936%
60	14.387	2072	2075	2078	rVV	41968	56286	2.77%	0.220%
61	14.424	2078	2081	2086	rVV	25136	36469	1.80%	0.142%
62	14.485	2086	2091	2094	rVV2	15821	28220	1.39%	0.110%
63	14.527	2094	2098	2101	rVV	48523	69462	3.42%	0.271%
64	14.570	2101	2105	2110	rVV	183883	290396	14.31%	1.134%
65	14.619	2110	2113	2117	rVV	35151	47415	2.34%	0.185%
66	14.686	2117	2124	2130	rVV3	230037	466742	23.00%	1.823%
67	14.741	2130	2133	2139	rVB	35201	52428	2.58%	0.205%
68	14.838	2144	2149	2156	rVV	82990	126220	6.22%	0.493%
69	14.911	2156	2161	2163	rVV	24438	38560	1.90%	0.151%
70	14.948	2163	2167	2170	rVV3	43168	78617	3.87%	0.307%
71	14.985	2170	2173	2179	rVV	35868	64102	3.16%	0.250%

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72	15.058	2179	2185	2192	rVB2	43861	92769	4.57%	0.362%
73	15.241	2204	2215	2220	rBV	139502	250778	12.36%	0.979%
74	15.296	2220	2224	2229	rVV	32554	49071	2.42%	0.192%
75	15.350	2229	2233	2238	rBV3	22002	41416	2.04%	0.162%
76	15.533	2257	2263	2271	rBV	23566	45136	2.22%	0.176%
77	15.735	2280	2296	2304	rBV2	63688	159380	7.85%	0.622%
78	15.899	2317	2323	2327	rBV3	11916	21596	1.06%	0.084%
79	16.039	2340	2346	2354	rVB2	25366	55977	2.76%	0.219%
80	16.234	2369	2378	2383	rBV5	25661	54555	2.69%	0.213%
81	16.301	2383	2389	2400	rVB	81715	167562	8.26%	0.654%
82	16.497	2415	2421	2427	rBV2	31547	68423	3.37%	0.267%

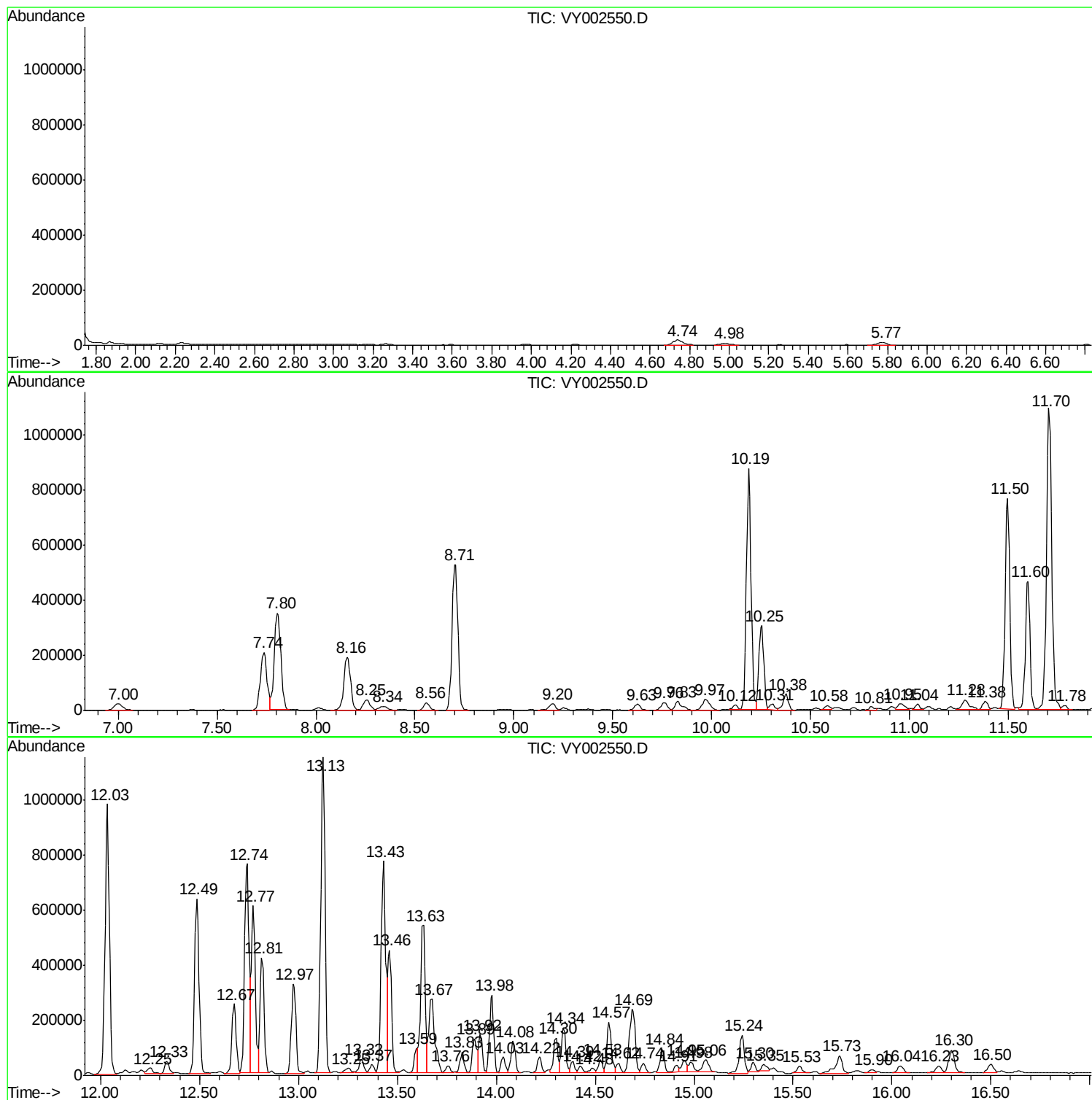
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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



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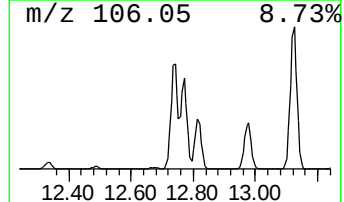
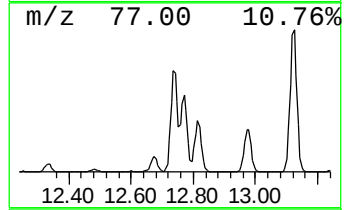
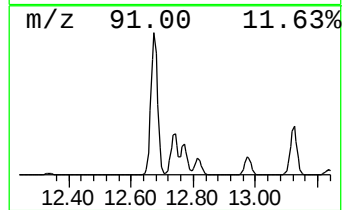
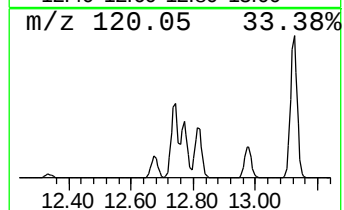
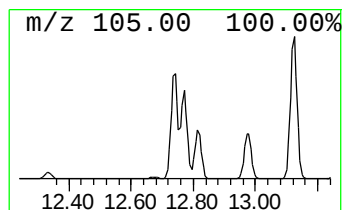
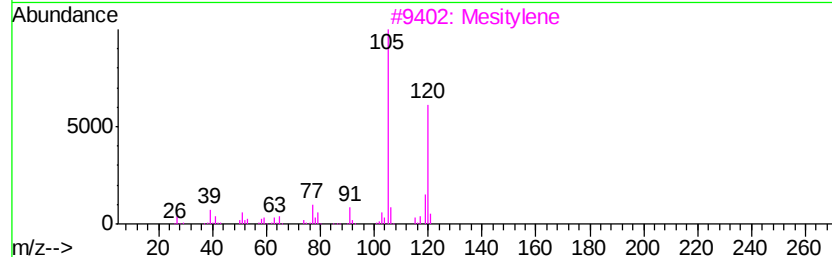
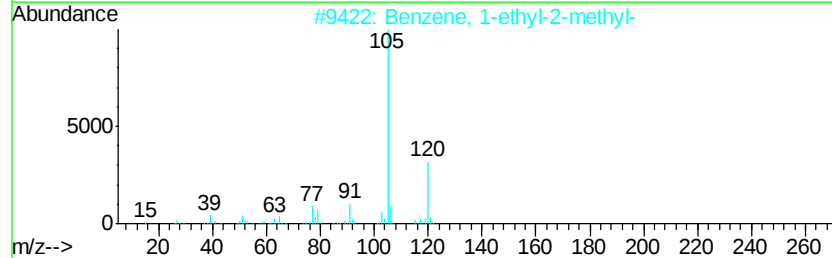
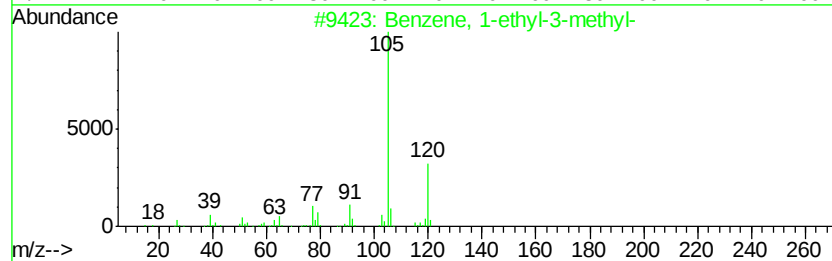
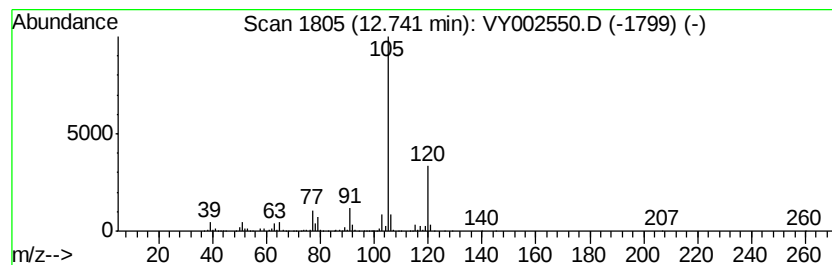
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	45.41 ug/l	1167480	1,4-Dichlorobenzene-d4	13.43

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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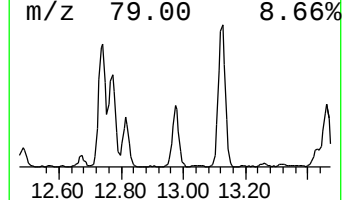
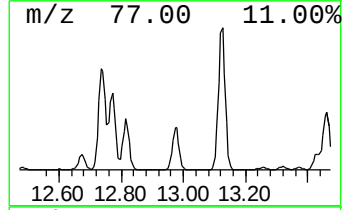
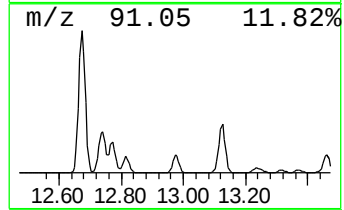
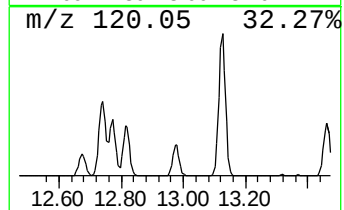
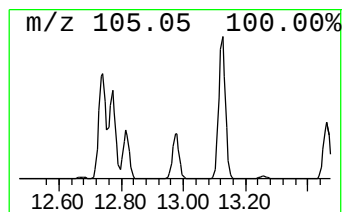
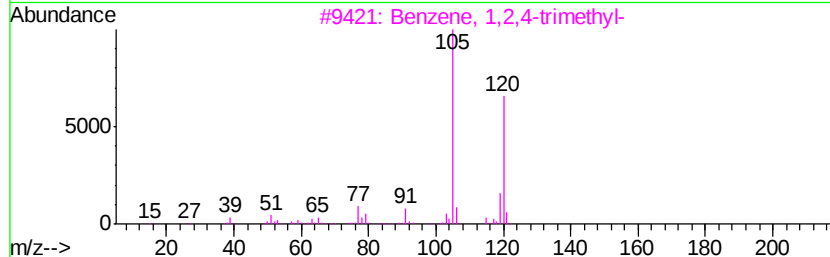
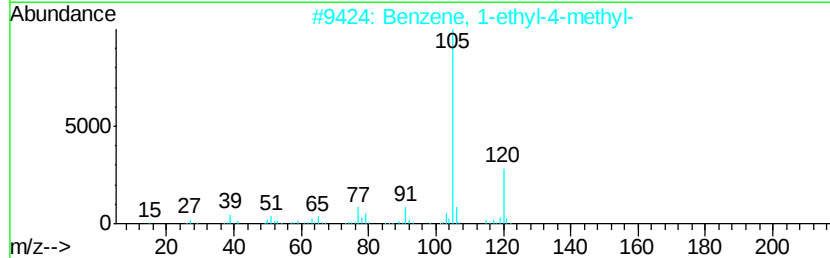
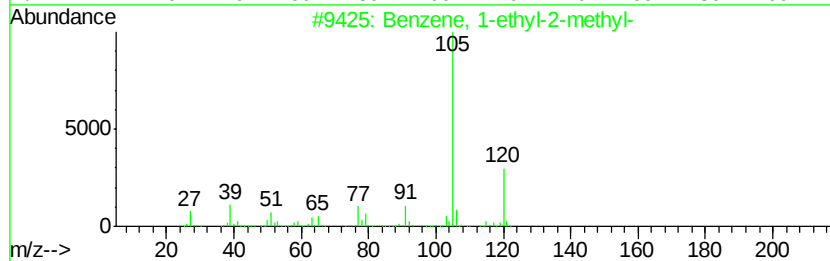
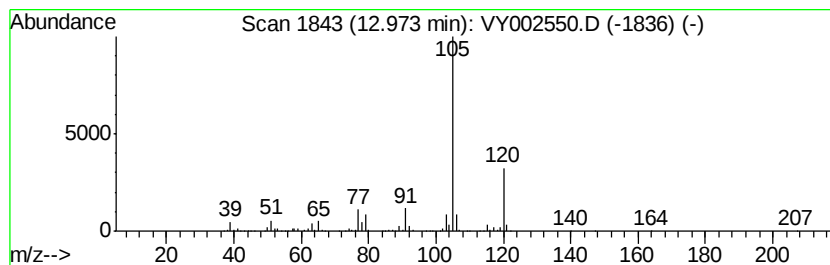
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	20.22 ug/l	519926	1,4-Dichlorobenzene-d4	13.43

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-4-methyl-	120	C9H12	000622-96-8	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		Mesitylene	120	C9H12	000108-67-8	91



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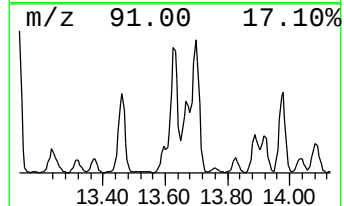
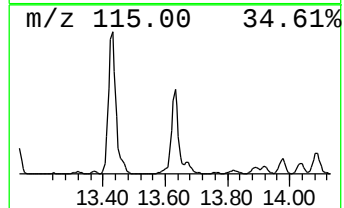
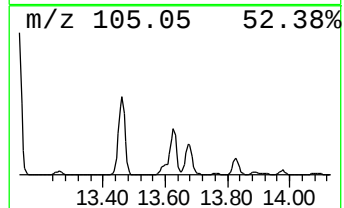
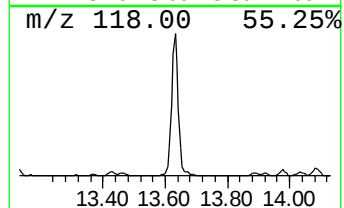
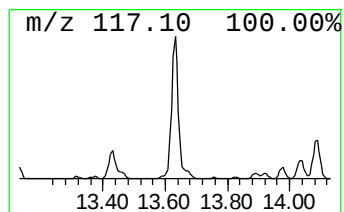
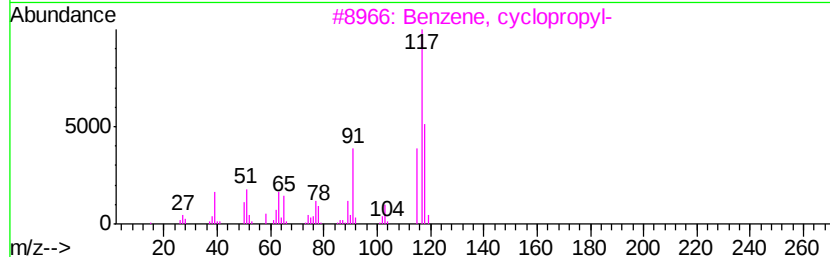
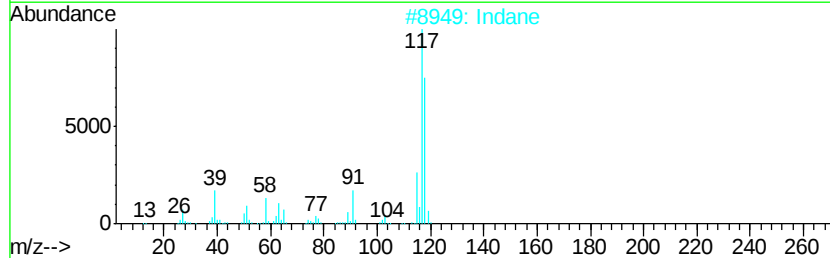
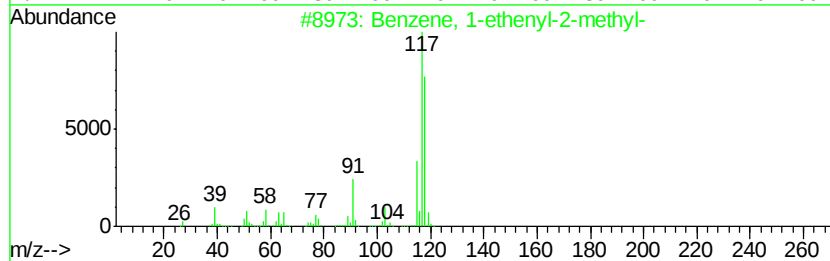
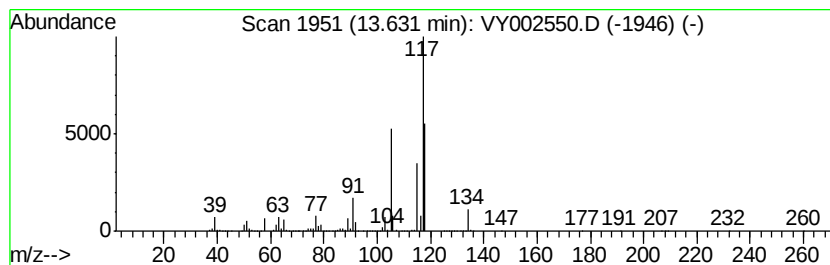
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	34.55 ug/l	888274	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
2		Indane	118	C9H10	000496-11-7	76
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5		Delta cyclene	118	C9H10	007785-10-6	64



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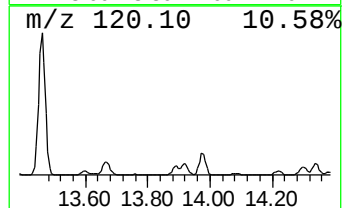
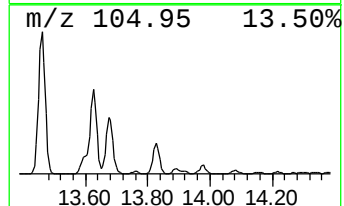
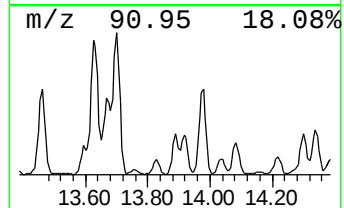
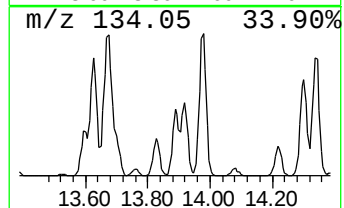
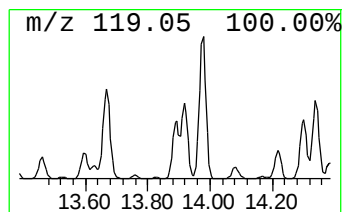
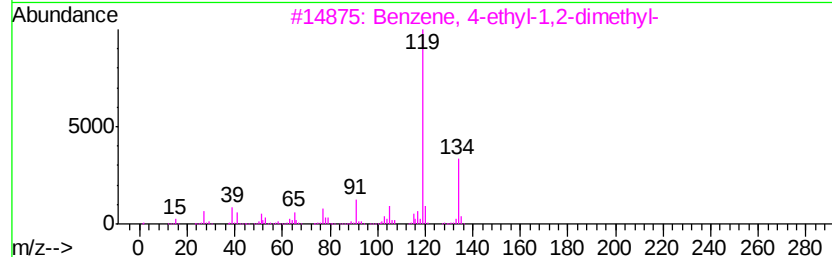
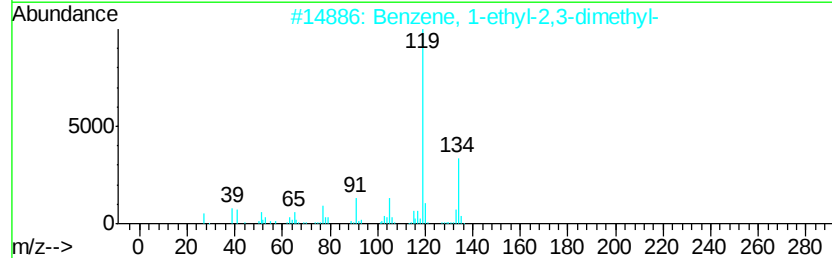
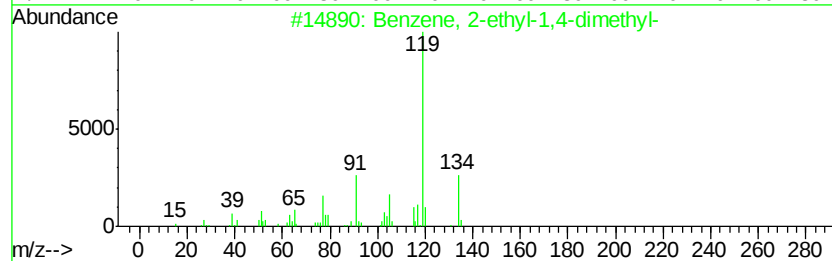
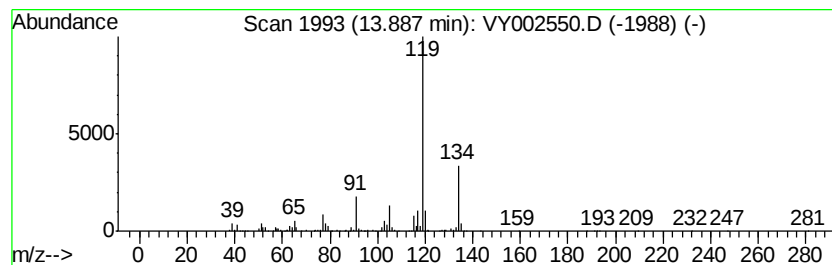
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	7.99 ug/l	205557	1,4-Dichlorobenzene-d4	13.43

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-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

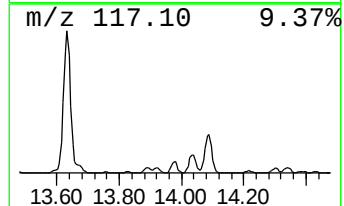
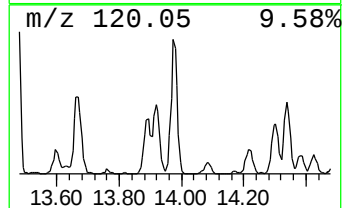
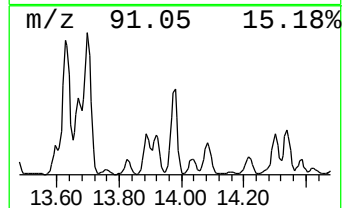
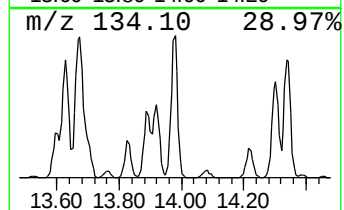
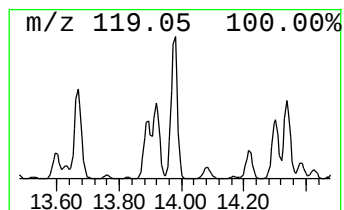
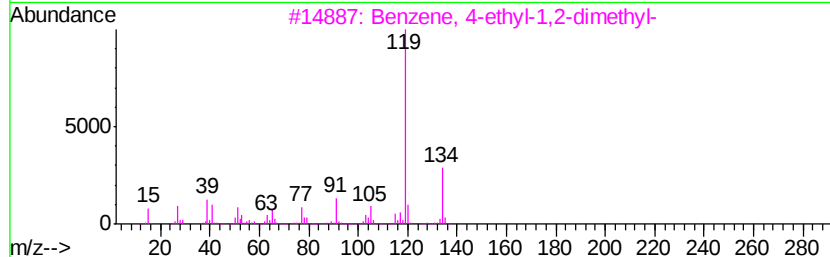
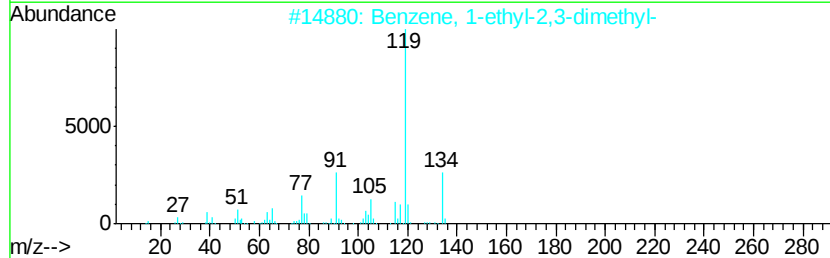
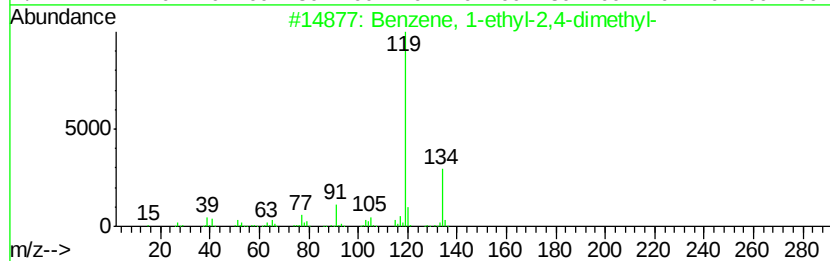
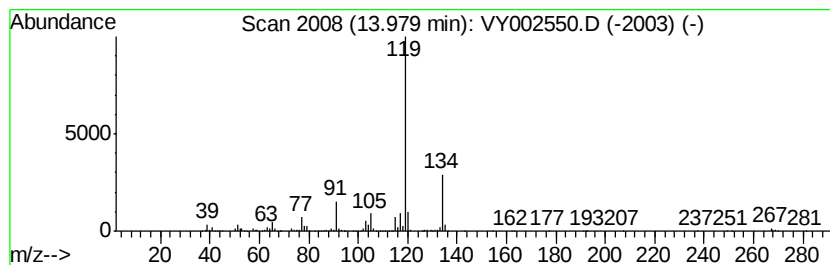
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	16.48 ug/l	423720	1,4-Dichlorobenzene-d4	13.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

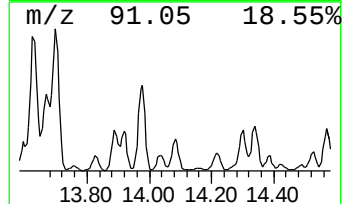
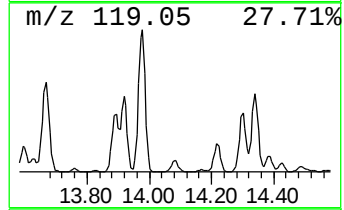
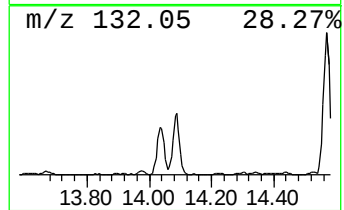
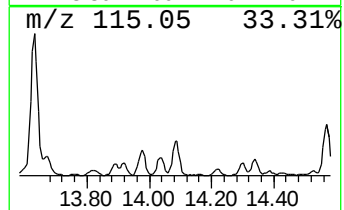
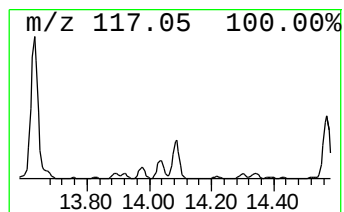
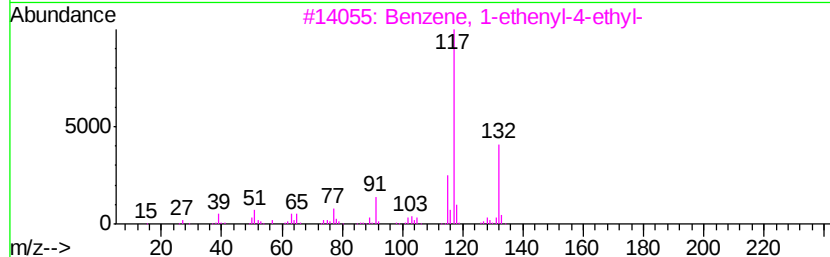
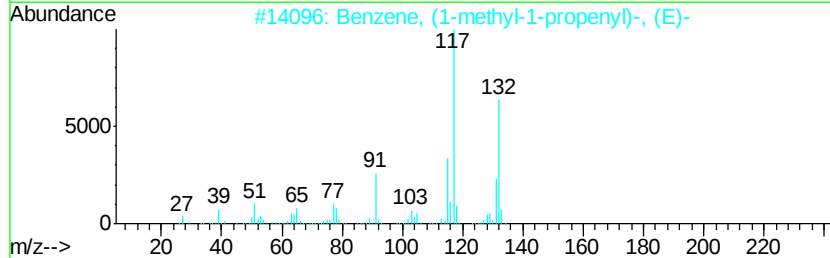
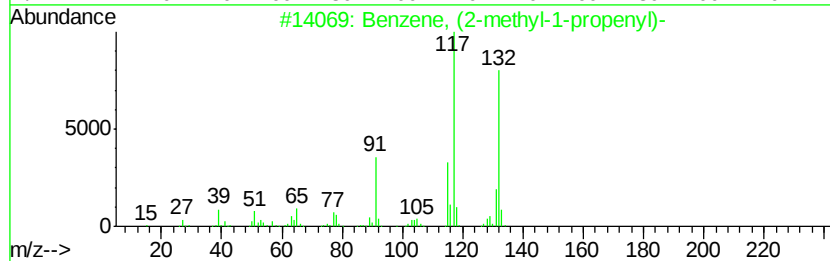
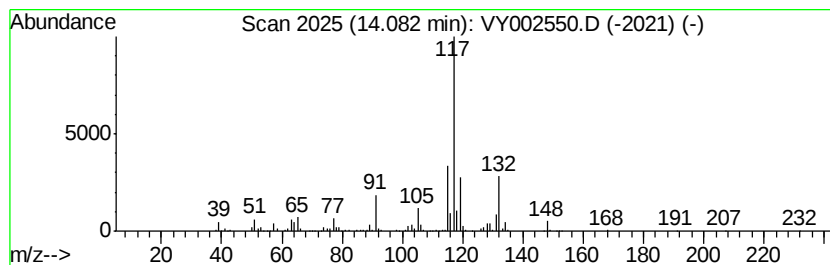
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	7.12 ug/l	183042	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
2		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	81
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4		Indan, 1-methyl-	132	C10H12	000767-58-8	76
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

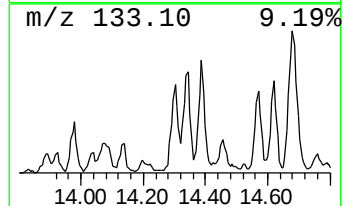
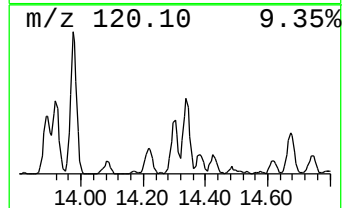
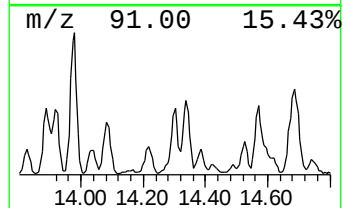
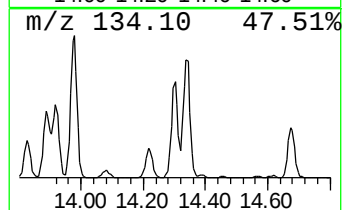
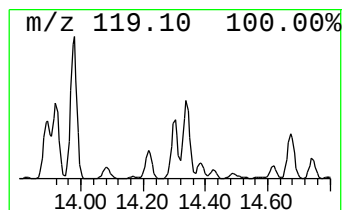
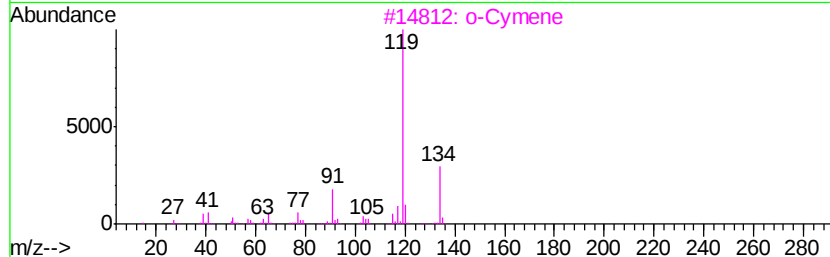
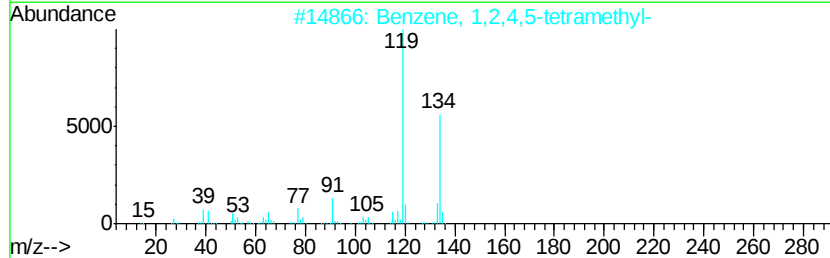
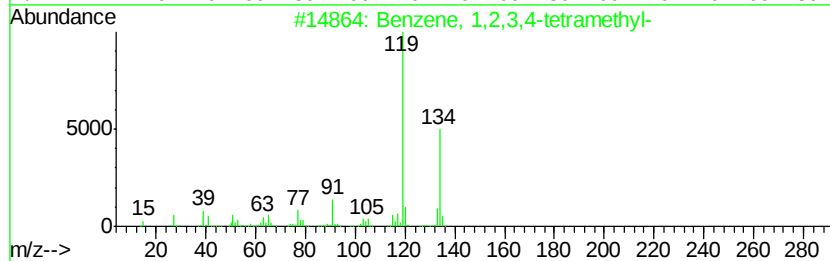
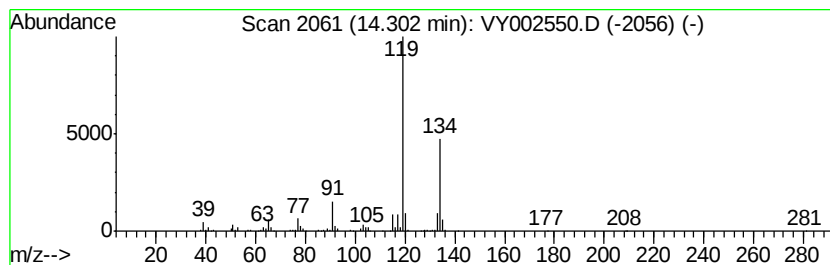
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	7.83 ug/l	201292	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

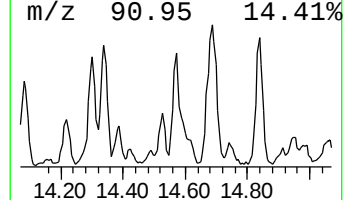
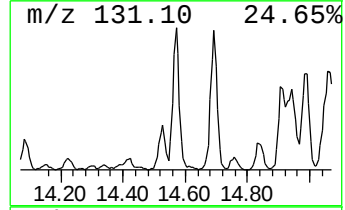
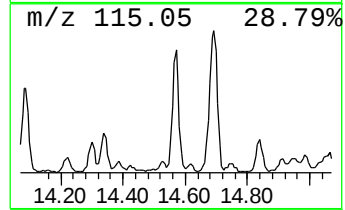
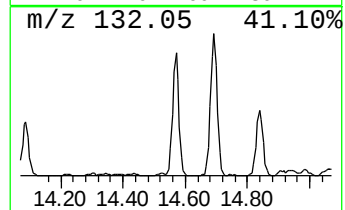
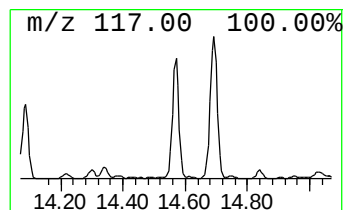
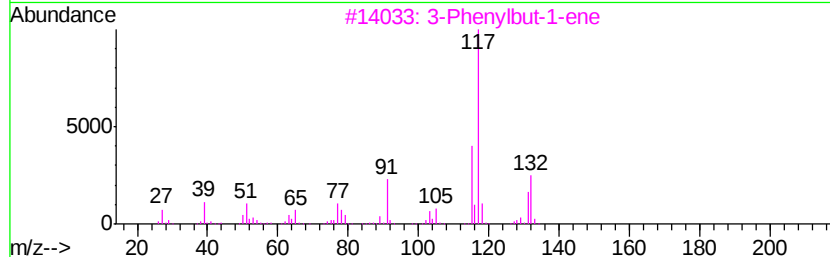
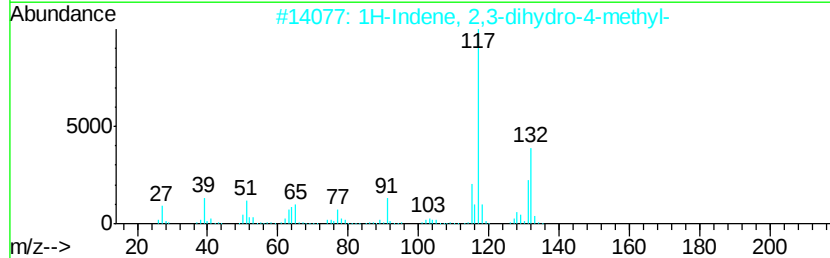
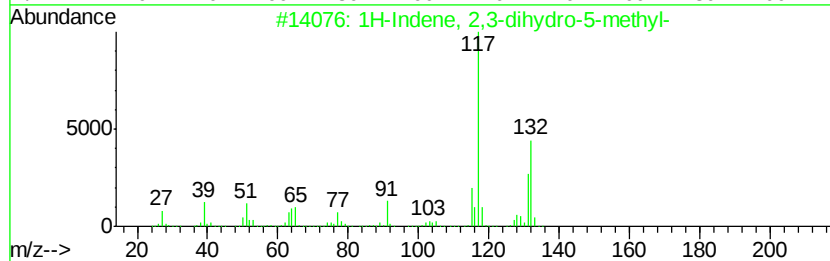
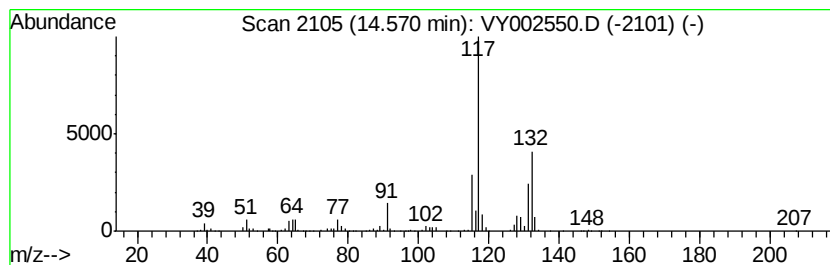
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	11.29 ug/l	290396	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

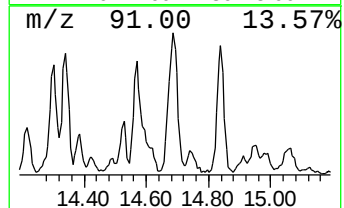
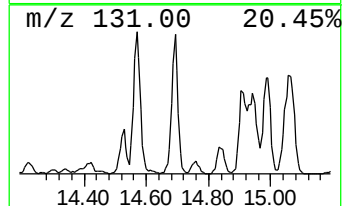
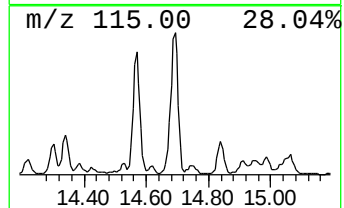
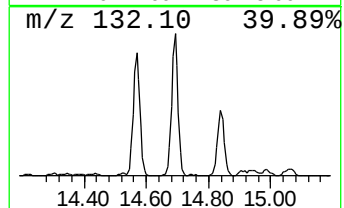
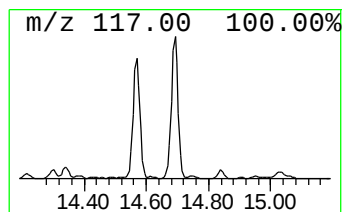
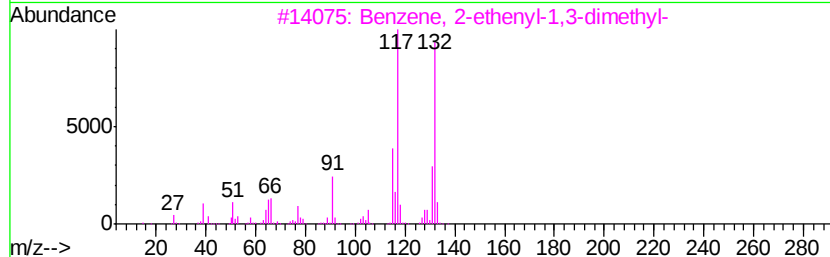
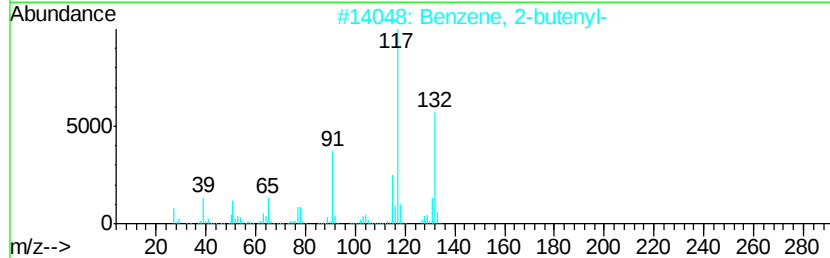
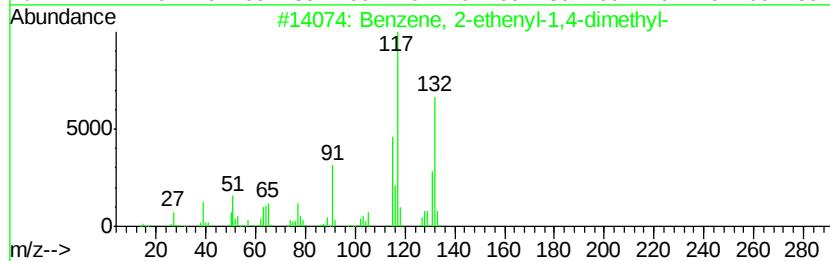
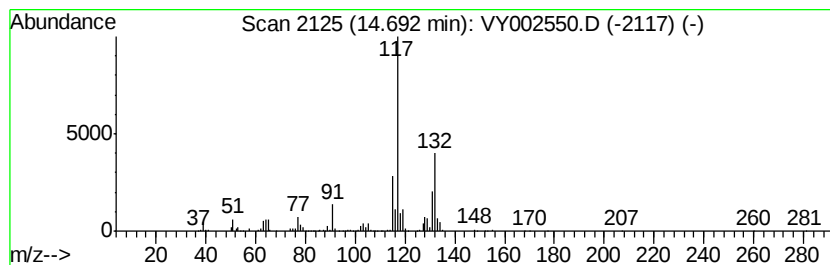
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	18.15 ug/l	466742	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	81
4		Indan, 1-methyl-	132	C10H12	000767-58-8	81
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002550.D
Acq On : 04 May 2020 18:39
Operator : SY/MD
Sample : L2456-02
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
201-206

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.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-...	12.74	45.4	ug/l	1167480	4	13.43	1285620	50.0
Benzene, 1-ethyl-...	12.97	20.2	ug/l	519926	4	13.43	1285620	50.0
Benzene, 1-etheny...	13.63	34.5	ug/l	888274	4	13.43	1285620	50.0
Benzene, 2-ethyl-...	13.89	8.0	ug/l	205557	4	13.43	1285620	50.0
Benzene, 1-ethyl-...	13.98	16.5	ug/l	423720	4	13.43	1285620	50.0
Benzene, (2-methy...	14.08	7.1	ug/l	183042	4	13.43	1285620	50.0
Benzene, 1,2,3,4-...	14.30	7.8	ug/l	201292	4	13.43	1285620	50.0
1H-Indene, 2,3-di...	14.57	11.3	ug/l	290396	4	13.43	1285620	50.0
Benzene, 2-etheny...	14.69	18.1	ug/l	466742	4	13.43	1285620	50.0