

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001352.D
 Acq On : 23 Jan 2020 14:35
 Operator : SY/MD
 Sample : L1215-01
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

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\82Y012120S.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	4.798	478	502	518	rBV	233161	1052765	7.23%	0.771%
2	5.273	563	580	605	rBV	158144	566365	3.89%	0.415%
3	5.785	651	664	680	rBV2	206482	647107	4.45%	0.474%
4	6.724	806	818	827	rBV	157307	504101	3.46%	0.369%
5	6.822	827	834	846	rVB	90606	275097	1.89%	0.201%
6	7.791	976	993	1003	rBV3	648418	2217267	15.23%	1.624%
7	7.895	1003	1010	1022	rVB	423777	1069710	7.35%	0.783%
8	8.023	1022	1031	1047	rVB	693909	1619354	11.13%	1.186%
9	8.169	1047	1055	1067	rBV2	134868	333809	2.29%	0.244%
10	8.297	1067	1076	1077	rBV2	147332	266013	1.83%	0.195%
11	8.346	1077	1084	1095	rVV	904153	2310616	15.88%	1.692%
12	8.437	1095	1099	1110	rVB	70464	171467	1.18%	0.126%
13	8.565	1110	1120	1134	rVB	606735	1240917	8.53%	0.909%
14	8.712	1134	1144	1151	rBV2	432765	953151	6.55%	0.698%
15	9.199	1208	1224	1229	rBV	478552	1186019	8.15%	0.869%
16	9.254	1229	1233	1241	rVV	340832	652934	4.49%	0.478%
17	9.382	1250	1254	1260	rVV	81086	152615	1.05%	0.112%
18	9.474	1260	1269	1277	rVB3	85900	258286	1.77%	0.189%
19	9.626	1286	1294	1305	rBV	735389	1467734	10.08%	1.075%
20	9.760	1305	1316	1322	rBV	982369	2193839	15.07%	1.607%
21	9.833	1322	1328	1331	rBV	638380	1131703	7.78%	0.829%
22	9.968	1340	1350	1362	rBV	847023	1935126	13.30%	1.417%
23	10.120	1369	1375	1381	rBV	396609	682285	4.69%	0.500%
24	10.187	1381	1386	1391	rBV	695392	1230439	8.45%	0.901%
25	10.254	1391	1397	1403	rVB	754400	1256713	8.63%	0.920%
26	10.376	1410	1417	1423	rVB	835810	1488520	10.23%	1.090%
27	10.626	1451	1458	1468	rBV8	161627	543199	3.73%	0.398%
28	10.717	1468	1473	1479	rVB	165151	276863	1.90%	0.203%
29	10.809	1479	1488	1493	rBV	164299	317470	2.18%	0.232%
30	10.906	1499	1504	1512	rVB	273104	503859	3.46%	0.369%
31	11.095	1530	1535	1540	rBV3	81421	148896	1.02%	0.109%
32	11.211	1549	1554	1557	rBV	160681	247820	1.70%	0.181%
33	11.284	1557	1566	1577	rVB2	803094	1891345	13.00%	1.385%
34	11.382	1577	1582	1592	rBV	685081	1130430	7.77%	0.828%

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35	11.498	1594	1601	1606	rVV	571740	983728	6.76%	0.720%
36	11.595	1609	1617	1626	rVV	2028071	3384374	23.25%	2.478%
37	11.705	1626	1635	1645	rVV	7500994	14553950	100.00%	10.658%
38	11.937	1668	1673	1678	rBV3	96804	157545	1.08%	0.115%
39	12.034	1678	1689	1697	rBV	2720176	4633511	31.84%	3.393%
40	12.126	1697	1704	1708	rVB	130881	228544	1.57%	0.167%
41	12.205	1708	1717	1720	rBV2	120436	251197	1.73%	0.184%
42	12.333	1733	1738	1743	rBV	612436	972107	6.68%	0.712%
43	12.485	1758	1763	1767	rVV2	385942	676438	4.65%	0.495%
44	12.522	1767	1769	1774	rVB	223981	283873	1.95%	0.208%
45	12.674	1788	1794	1799	rVV	1555805	2285258	15.70%	1.673%
46	12.735	1799	1804	1808	rVV	5319682	8815745	60.57%	6.456%
47	12.772	1808	1810	1813	rVV	2539212	3058128	21.01%	2.239%
48	12.815	1813	1817	1823	rVB	3680413	5450082	37.45%	3.991%
49	12.973	1835	1843	1851	rBV	2276556	3622759	24.89%	2.653%
50	13.126	1861	1868	1874	rBV	8990837	14350631	98.60%	10.509%
51	13.254	1881	1889	1893	rBV3	250990	672733	4.62%	0.493%
52	13.315	1895	1899	1904	rVB	411978	621482	4.27%	0.455%
53	13.369	1904	1908	1912	rBV2	150000	229092	1.57%	0.168%
54	13.430	1912	1918	1919	rBV	536244	732171	5.03%	0.536%
55	13.461	1919	1923	1929	rVB	2379122	3584232	24.63%	2.625%
56	13.595	1939	1945	1946	rBV	758465	937413	6.44%	0.686%
57	13.625	1946	1950	1953	rVV2	2632953	4094737	28.13%	2.999%
58	13.668	1953	1957	1967	rVB3	2637278	5117769	35.16%	3.748%
59	13.760	1967	1972	1976	rVB2	217459	313469	2.15%	0.230%
60	13.827	1976	1983	1988	rBV	677797	998100	6.86%	0.731%
61	13.888	1988	1993	1996	rBV	1335279	2205152	15.15%	1.615%
62	13.918	1996	1998	2003	rVV	1259023	1525231	10.48%	1.117%
63	13.973	2003	2007	2013	rVB	2197368	3216722	22.10%	2.356%
64	14.034	2013	2017	2020	rBV	187918	257527	1.77%	0.189%
65	14.083	2020	2025	2030	rVB	883196	1337670	9.19%	0.980%
66	14.156	2030	2037	2042	rVB4	73561	182077	1.25%	0.133%
67	14.217	2042	2047	2052	rBV	500183	745467	5.12%	0.546%
68	14.296	2052	2060	2063	rBV	1271925	1985999	13.65%	1.454%
69	14.339	2063	2067	2071	rVV	1768389	2521465	17.32%	1.846%
70	14.381	2071	2074	2078	rVV	405359	541337	3.72%	0.396%
71	14.424	2078	2081	2084	rVB	248195	287678	1.98%	0.211%

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72	14.528	2093	2098	2101	rBV	276019	380628	2.62%	0.279%
73	14.570	2101	2105	2110	rVV2	682994	1174187	8.07%	0.860%
74	14.613	2110	2112	2117	rVB	365037	468668	3.22%	0.343%
75	14.680	2117	2123	2130	rBV4	1189594	2736108	18.80%	2.004%
76	14.741	2130	2133	2139	rVB	306151	464251	3.19%	0.340%
77	14.906	2157	2160	2162	rVV2	111546	161183	1.11%	0.118%
78	14.948	2162	2167	2179	rVV2	549700	1543542	10.61%	1.130%
79	15.058	2179	2185	2192	rVB2	383091	785840	5.40%	0.575%
80	15.351	2227	2233	2237	rBV2	157269	267849	1.84%	0.196%
81	15.528	2256	2262	2269	rBV	188253	352520	2.42%	0.258%
82	15.698	2279	2290	2300	rBV4	98887	334523	2.30%	0.245%
83	15.814	2304	2309	2315	rVB	83589	150480	1.03%	0.110%

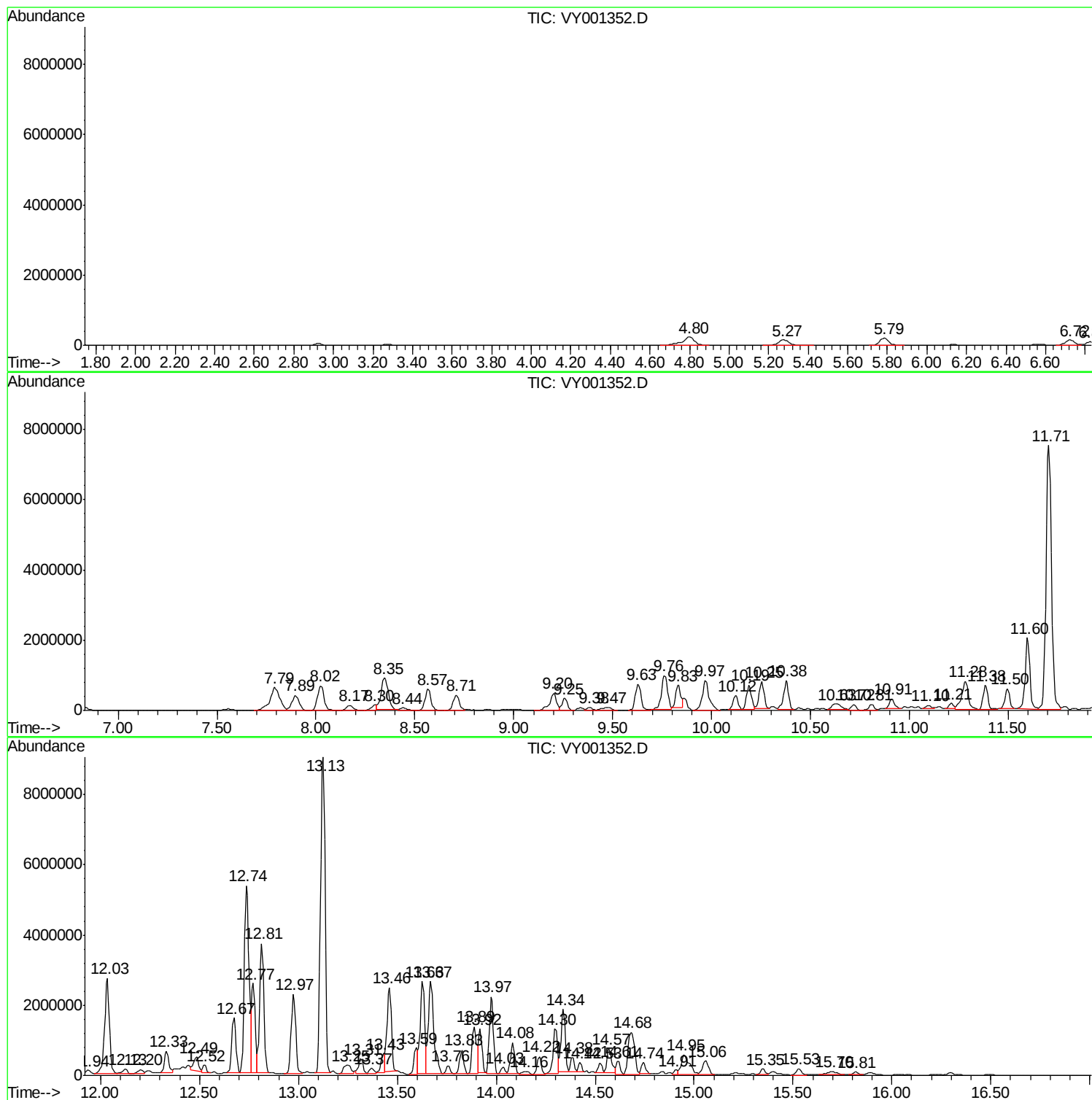
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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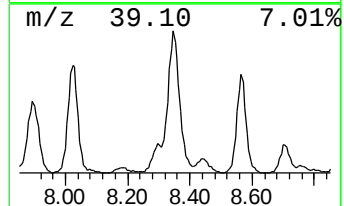
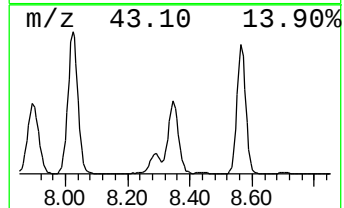
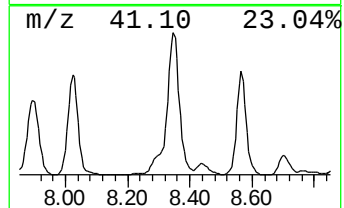
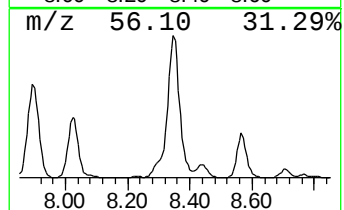
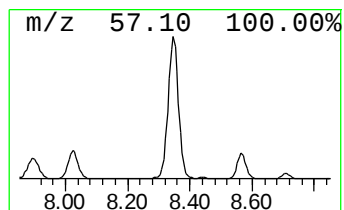
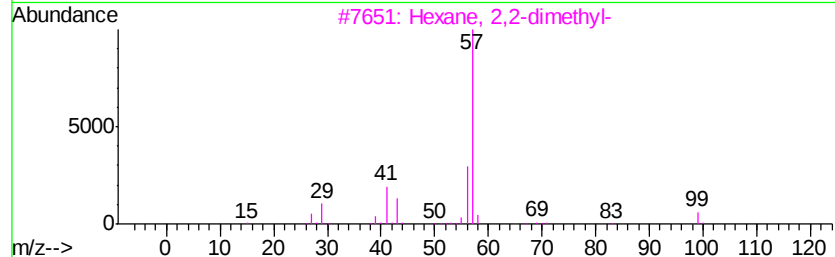
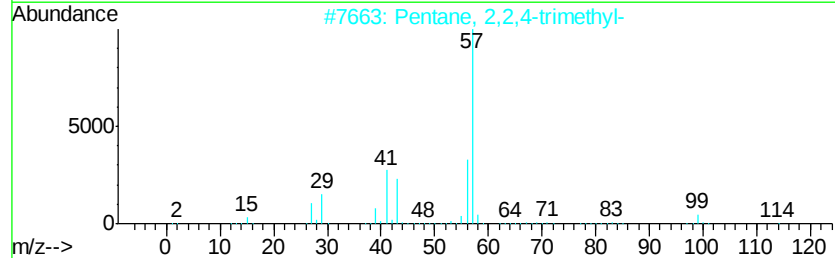
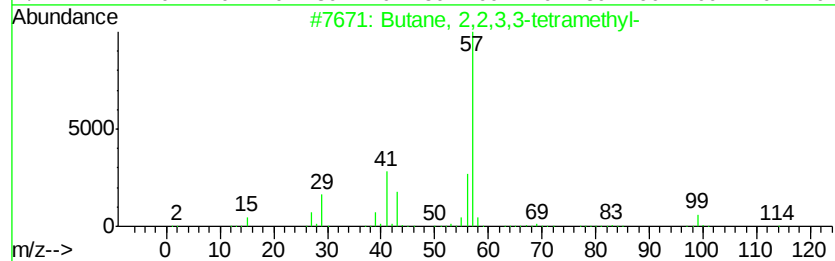
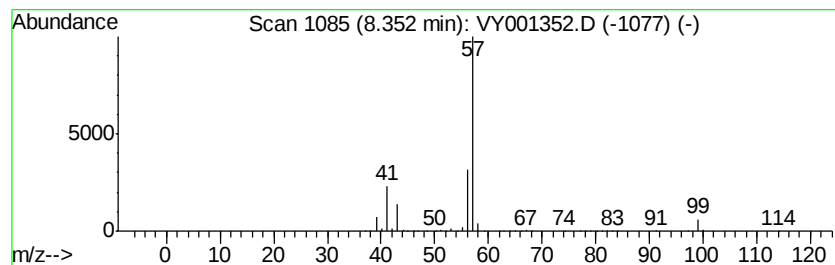
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	121.21 ug/l	2310620	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50
5		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	43



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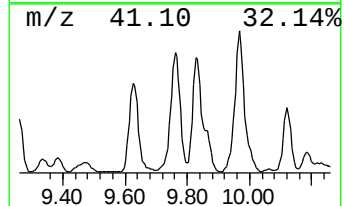
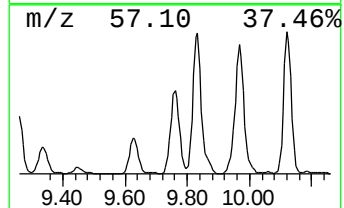
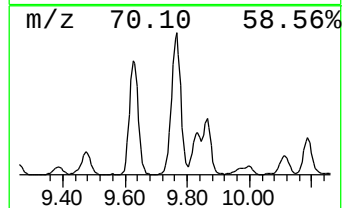
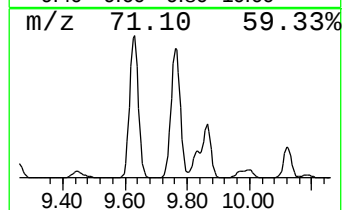
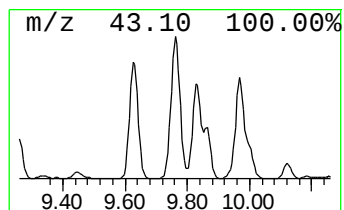
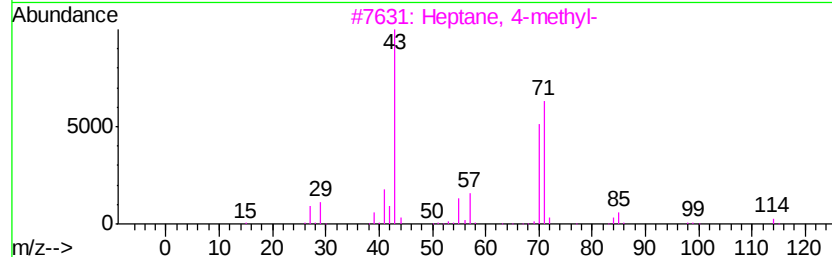
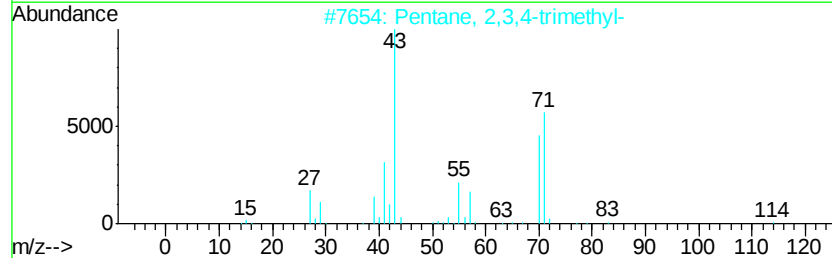
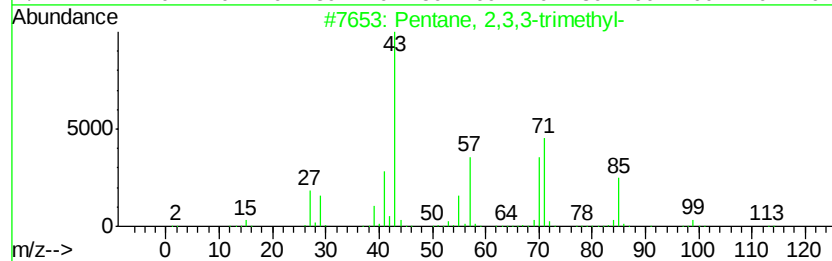
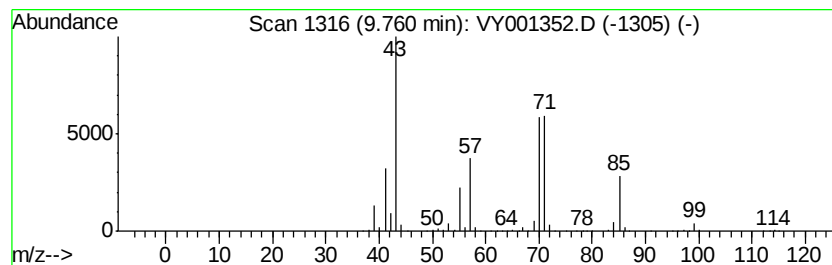
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	115.08 ug/l	2193840	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	80
2		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	76
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	59



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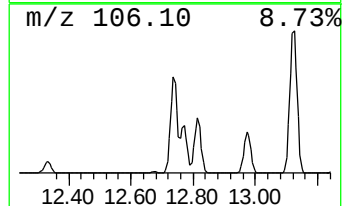
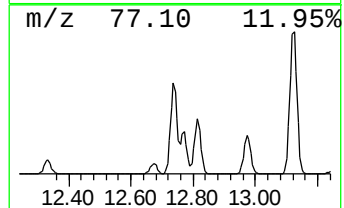
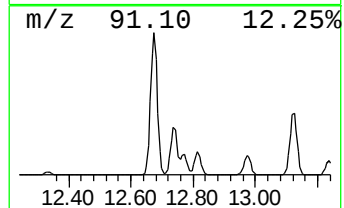
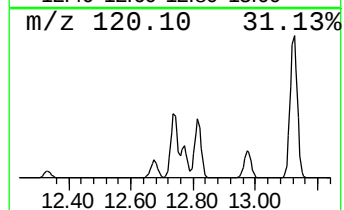
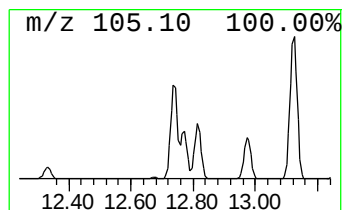
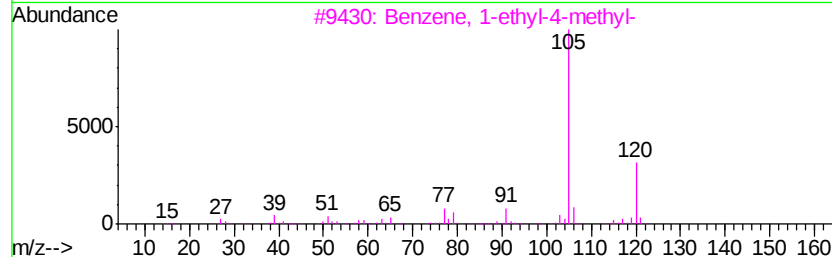
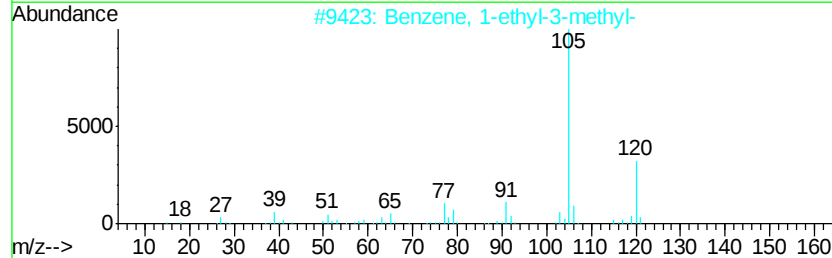
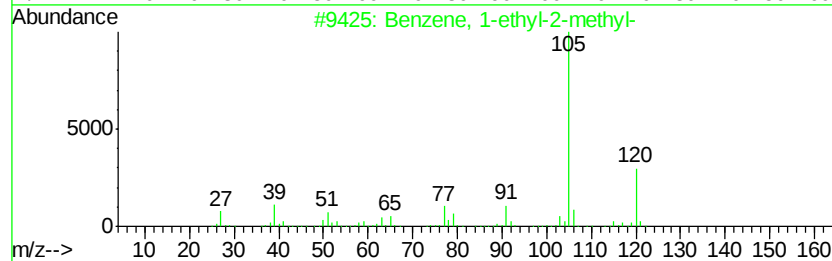
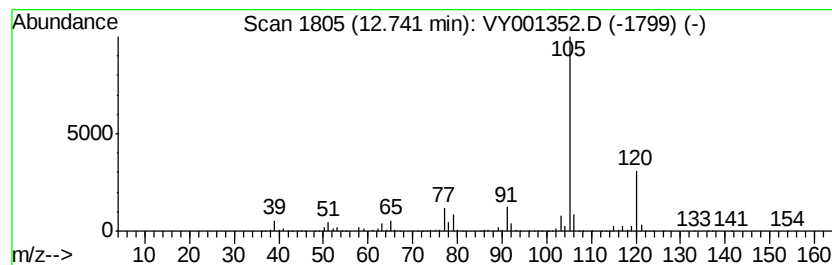
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	602.03 ug/l	8815750	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-3-methyl-	120	C9H12	000620-14-4	95
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Mesitylene	120	C9H12	000108-67-8	91



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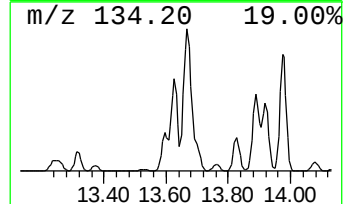
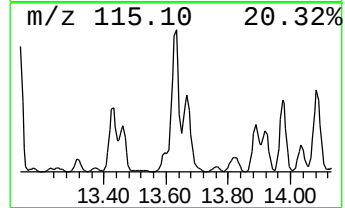
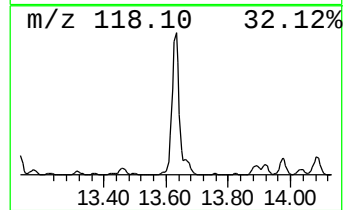
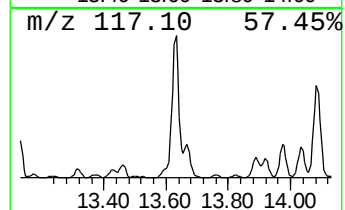
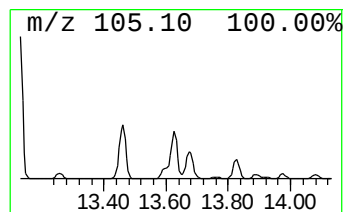
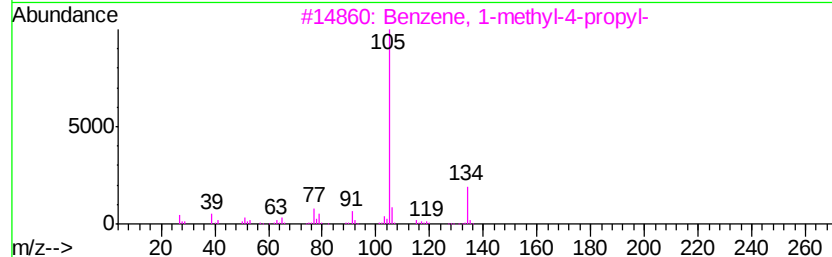
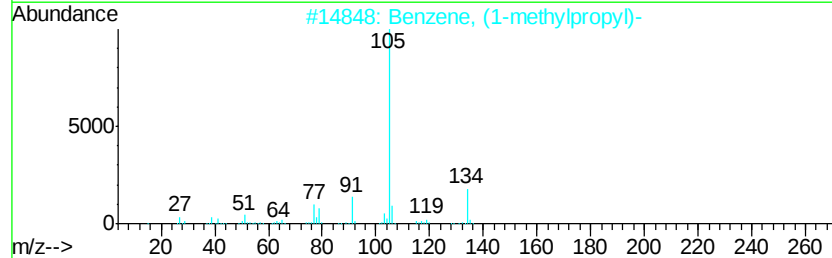
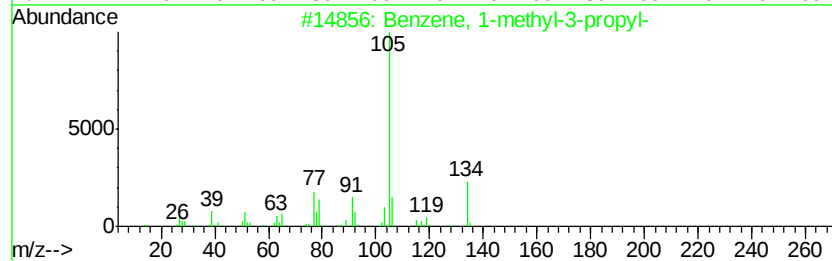
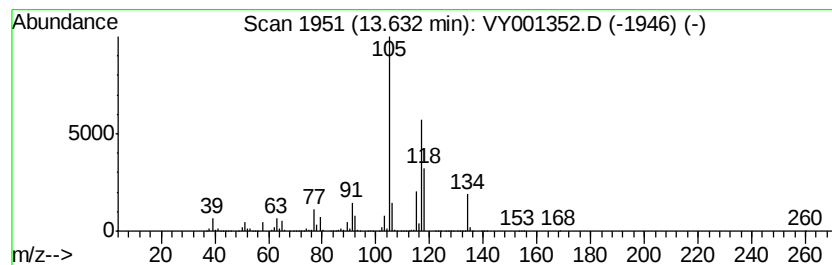
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	279.63 ug/l	4094740	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
2		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

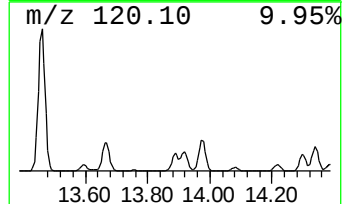
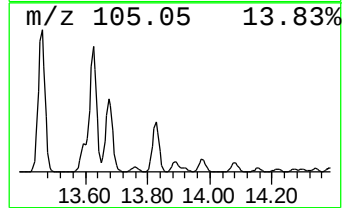
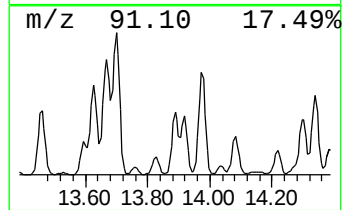
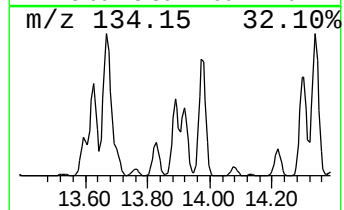
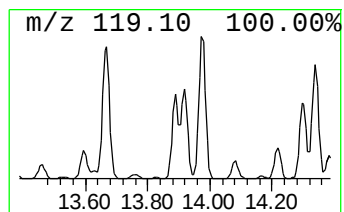
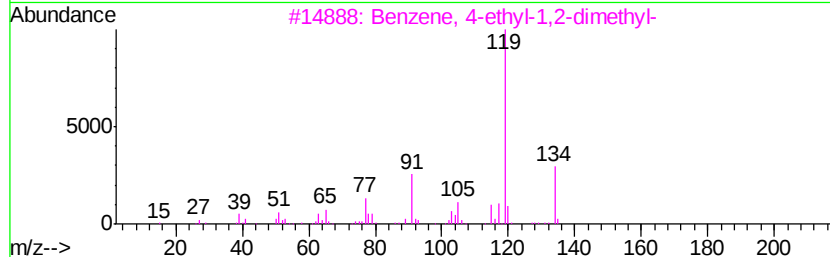
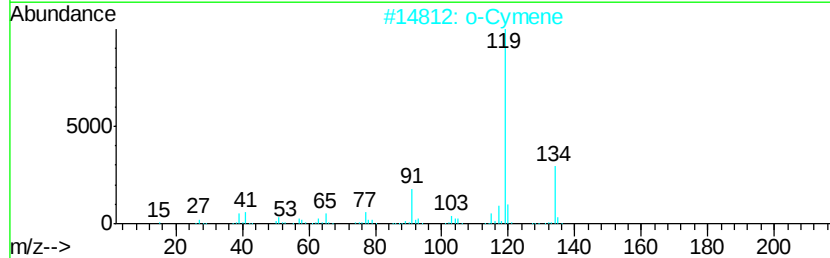
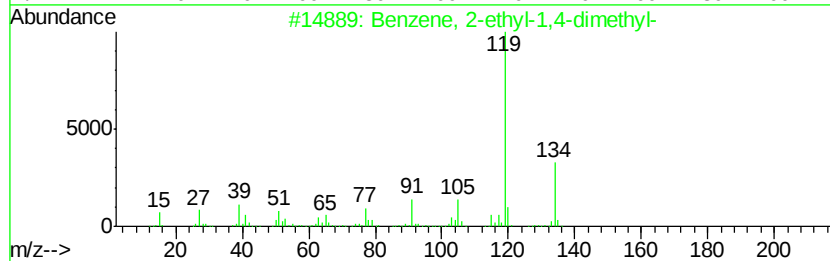
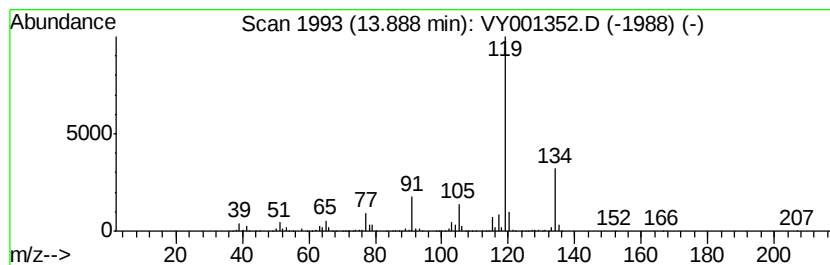
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
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 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	150.59 ug/l	2205150	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 97
2		o-Cymene	134 C10H14	000527-84-4 95
3		Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5 95
4		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 95
5		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

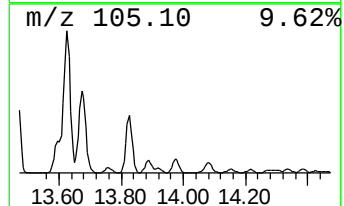
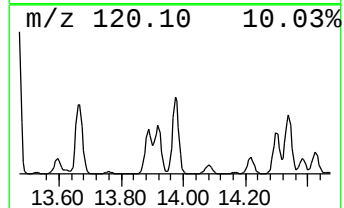
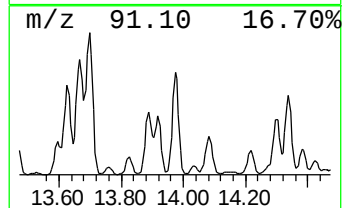
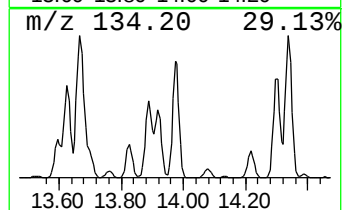
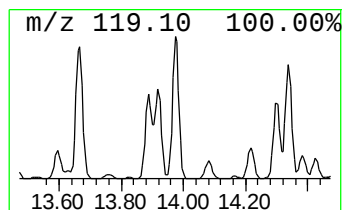
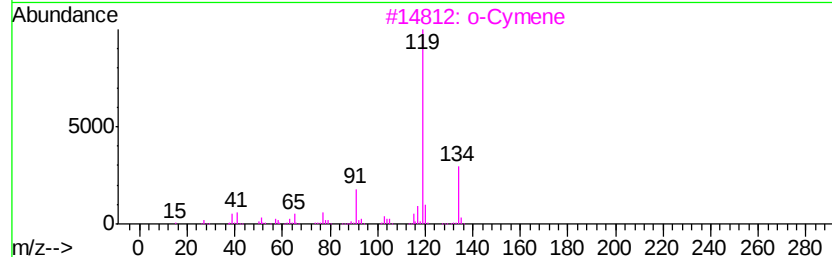
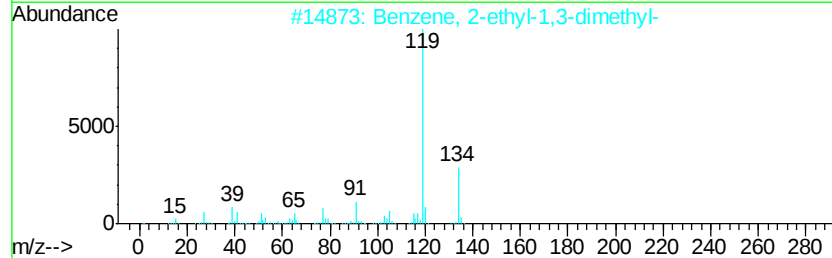
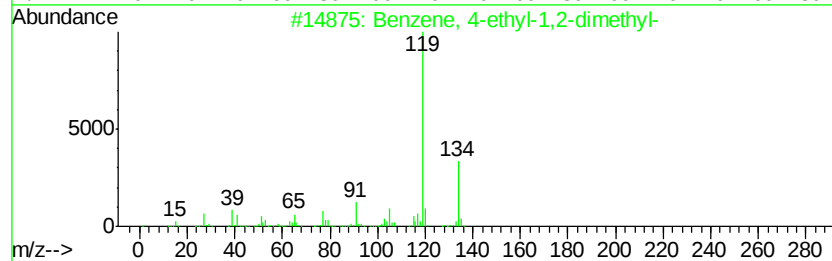
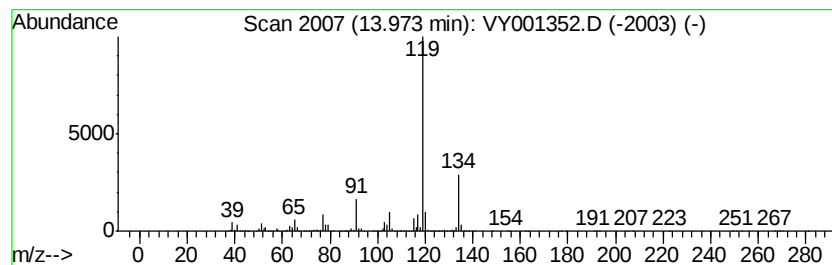
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	219.67 ug/l	3216720	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

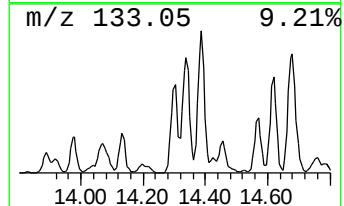
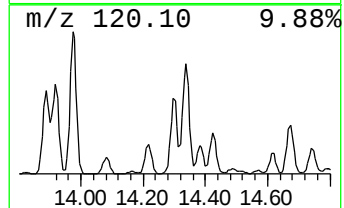
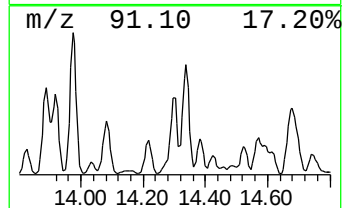
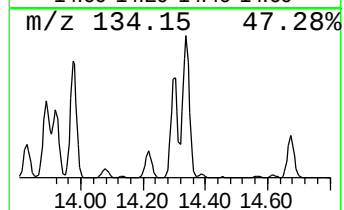
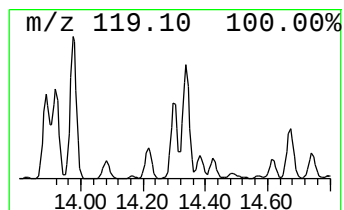
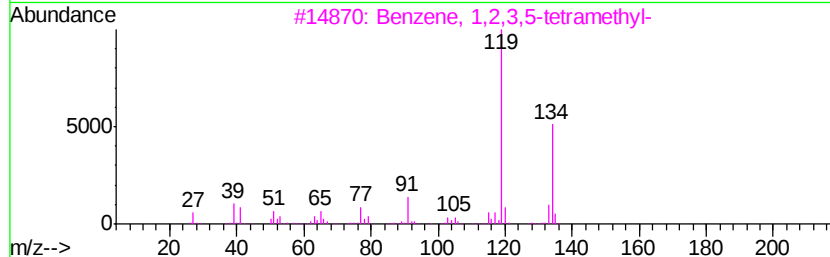
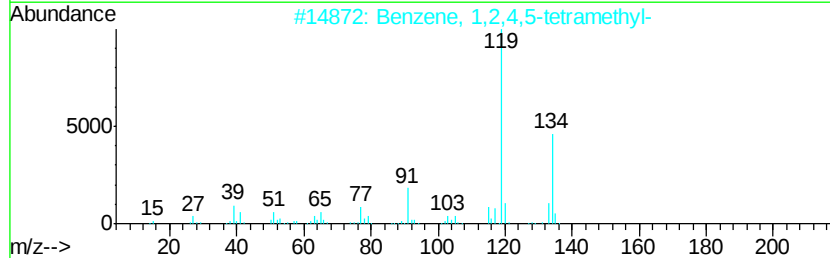
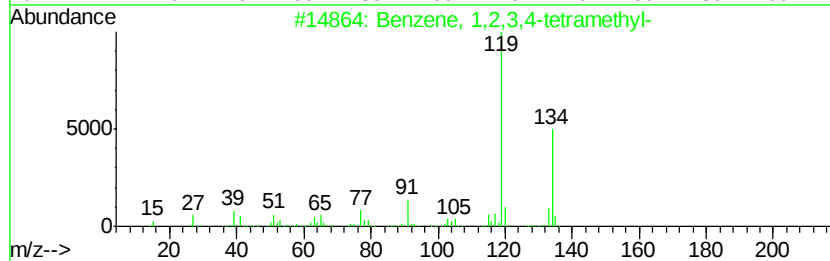
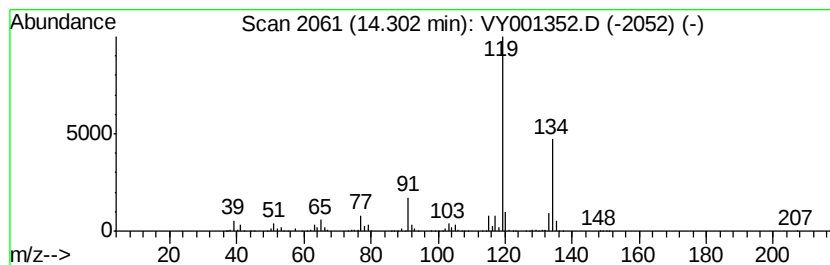
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	135.62 ug/l	1986000	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	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

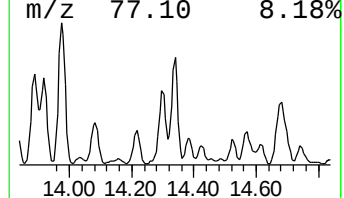
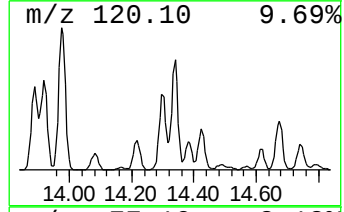
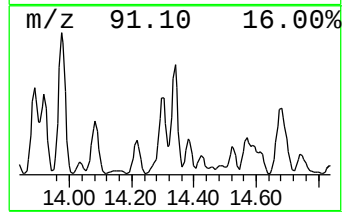
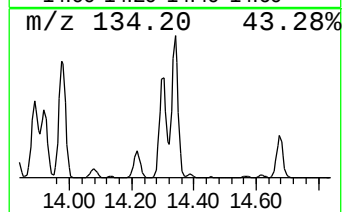
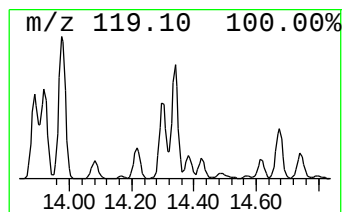
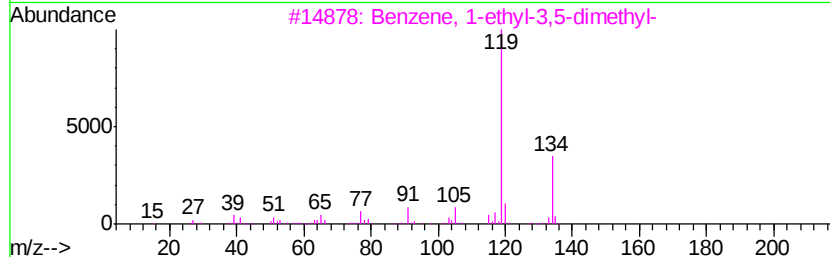
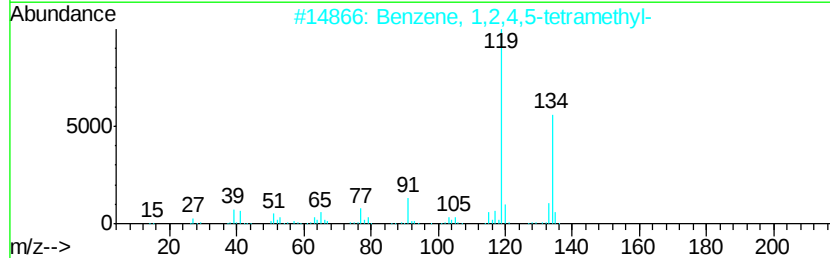
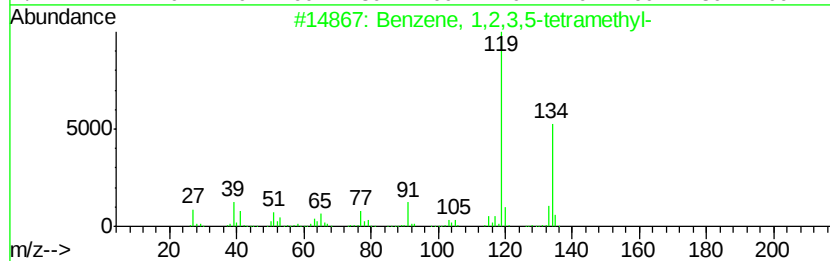
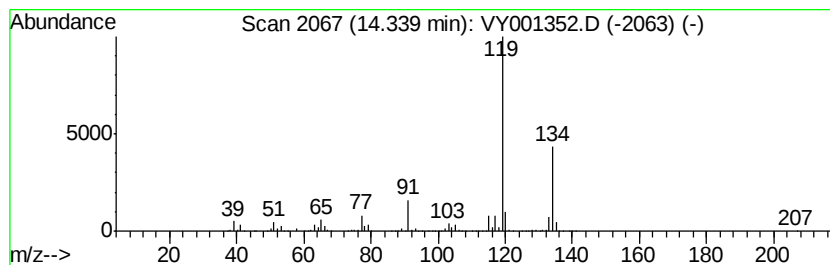
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	172.19 ug/l	2521470	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5		p-Cymene	134	C10H14	000099-87-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

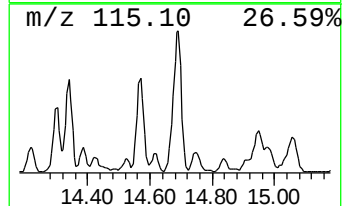
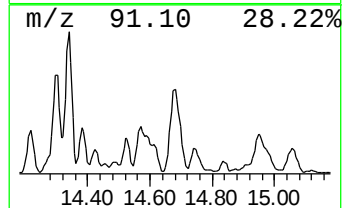
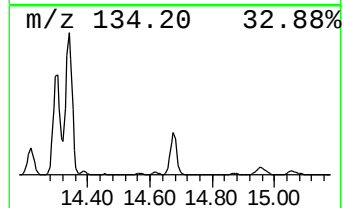
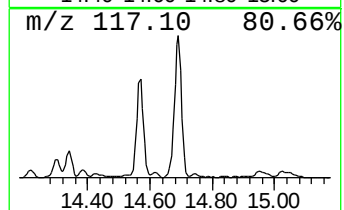
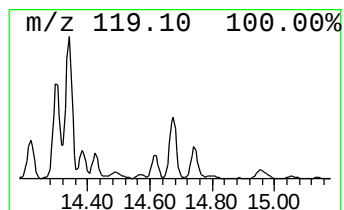
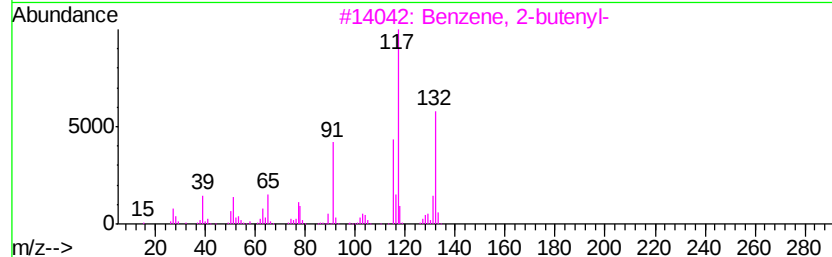
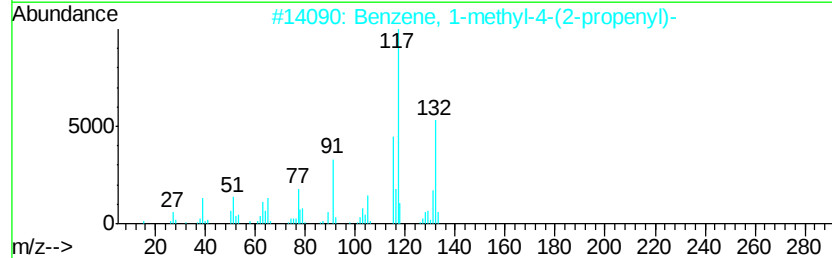
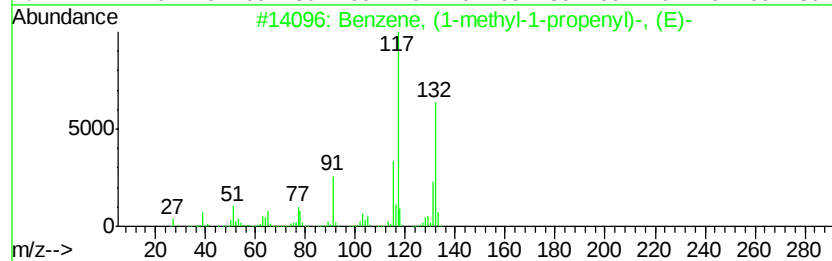
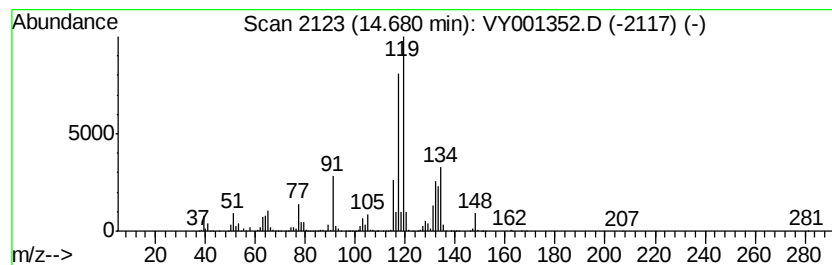
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	186.85 ug/l	2736110	1,4-Dichlorobenzene-d4	13.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001352.D
Acq On : 23 Jan 2020 14:35
Operator : SY/MD
Sample : L1215-01
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.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
Butane, 2,2,3,3-t...	8.35	121.2	ug/l	2310620	2	8.71	953151	50.0
Pentane, 2,3,3-tr...	9.76	115.1	ug/l	2193840	2	8.71	953151	50.0
Benzene, 1-ethyl-...	12.74	602.0	ug/l	8815750	4	13.43	732171	50.0
Benzene, 1-methyl...	13.63	279.6	ug/l	4094740	4	13.43	732171	50.0
Benzene, 2-ethyl-...	13.89	150.6	ug/l	2205150	4	13.43	732171	50.0
Benzene, 4-ethyl-...	13.97	219.7	ug/l	3216720	4	13.43	732171	50.0
Benzene, 1,2,3,4-...	14.30	135.6	ug/l	1986000	4	13.43	732171	50.0
Benzene, 1,2,3,5-...	14.34	172.2	ug/l	2521470	4	13.43	732171	50.0
Benzene, (1-methy...	14.68	186.8	ug/l	2736110	4	13.43	732171	50.0