

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010722.D
 Acq On : 09 Jul 2019 02:19
 Operator : JC/SP
 Sample : K3690-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW150-190703

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_X\METHOD\82X061919W.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	1.276	17	20	27	rVB	18979	24256	1.01%	0.085%
2	1.788	100	104	111	rVB	19555	27598	1.15%	0.096%
3	2.843	269	277	288	rBV	93396	208072	8.64%	0.726%
4	4.306	506	517	533	rBV3	64491	200886	8.34%	0.701%
5	4.556	547	558	571	rBV3	13403	50766	2.11%	0.177%
6	5.239	659	670	685	rVB3	11568	42529	1.77%	0.148%
7	5.501	701	713	726	rBV	126769	362661	15.06%	1.266%
8	5.659	729	739	748	rBV	209595	609354	25.31%	2.127%
9	5.952	775	787	797	rBV2	48078	148396	6.16%	0.518%
10	6.062	797	805	817	rVV	121956	310456	12.89%	1.084%
11	6.348	840	852	865	rVB	329109	983081	40.83%	3.431%
12	6.860	926	936	950	rBV	321308	754579	31.34%	2.634%
13	7.452	1023	1033	1042	rVB	70869	162786	6.76%	0.568%
14	7.580	1046	1054	1060	rVV	43689	90047	3.74%	0.314%
15	7.677	1060	1070	1079	rVB	85121	186996	7.77%	0.653%
16	7.848	1089	1098	1108	rVB	79274	162836	6.76%	0.568%
17	8.055	1120	1132	1143	rBV	367526	716570	29.76%	2.501%
18	8.177	1143	1152	1161	rBV	675132	1329612	55.22%	4.640%
19	8.390	1179	1187	1193	rBV2	33346	64138	2.66%	0.224%
20	8.585	1210	1219	1225	rBV2	12136	25081	1.04%	0.088%
21	8.713	1227	1240	1255	rBV	728262	1296379	53.84%	4.524%
22	8.842	1255	1261	1266	rBV	73198	125736	5.22%	0.439%
23	9.037	1287	1293	1301	rVB5	17433	40691	1.69%	0.142%
24	9.165	1309	1314	1320	rVB2	17602	29057	1.21%	0.101%
25	9.677	1393	1398	1402	rBV	29297	46416	1.93%	0.162%
26	9.890	1428	1433	1438	rBV	35012	49344	2.05%	0.172%
27	10.110	1464	1469	1477	rBV	680024	1007468	41.84%	3.516%
28	10.183	1477	1481	1486	rVB	53219	81215	3.37%	0.283%
29	10.335	1501	1506	1514	rVB2	58013	103908	4.32%	0.363%
30	10.408	1514	1518	1522	rBV	23764	35394	1.47%	0.124%
31	10.512	1529	1535	1542	rBV	48000	68147	2.83%	0.238%
32	10.658	1545	1559	1564	rBV3	83576	194866	8.09%	0.680%
33	10.713	1564	1568	1575	rVB	26751	39136	1.63%	0.137%
34	10.811	1575	1584	1585	rBV3	63766	107054	4.45%	0.374%

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35	10.835	1585	1588	1595	rVB	164907	214703	8.92%	0.749%
36	10.914	1596	1601	1607	rBV4	65883	110167	4.58%	0.384%
37	10.969	1607	1610	1614	rVB	20764	26575	1.10%	0.093%
38	11.018	1614	1618	1621	rBV	62062	84218	3.50%	0.294%
39	11.067	1621	1626	1631	rVV4	41076	77930	3.24%	0.272%
40	11.134	1631	1637	1642	rVV	581726	743796	30.89%	2.596%
41	11.183	1642	1645	1649	rVV	95982	121859	5.06%	0.425%
42	11.244	1652	1655	1657	rVV2	23238	30199	1.25%	0.105%
43	11.280	1657	1661	1666	rVB	173437	219906	9.13%	0.767%
44	11.390	1675	1679	1684	rBV6	14760	35902	1.49%	0.125%
45	11.445	1684	1688	1694	rVB3	55755	95261	3.96%	0.332%
46	11.579	1705	1710	1714	rVB5	24804	42018	1.74%	0.147%
47	11.670	1717	1725	1732	rBV2	159237	231815	9.63%	0.809%
48	11.768	1732	1741	1745	rBV	172468	239997	9.97%	0.838%
49	11.920	1757	1766	1768	rVV	515746	736839	30.60%	2.572%
50	11.945	1768	1770	1776	rVV	345387	372251	15.46%	1.299%
51	11.999	1776	1779	1786	rVB5	13646	27312	1.13%	0.095%
52	12.079	1786	1792	1797	rBV	736694	958960	39.83%	3.347%
53	12.121	1797	1799	1803	rVV2	21057	24126	1.00%	0.084%
54	12.176	1803	1808	1812	rVV3	26799	51915	2.16%	0.181%
55	12.231	1812	1817	1823	rVB	643689	782660	32.50%	2.732%
56	12.298	1823	1828	1833	rBV	410514	497435	20.66%	1.736%
57	12.365	1834	1839	1850	rVB	224832	323185	13.42%	1.128%
58	12.469	1850	1856	1861	rBV3	27438	53803	2.23%	0.188%
59	12.664	1878	1888	1892	rBV	1878880	2407921	100.00%	8.404%
60	12.701	1892	1894	1899	rVV2	524895	680790	28.27%	2.376%
61	12.755	1899	1903	1909	rVV2	1192962	1970024	81.81%	6.876%
62	12.816	1909	1913	1917	rVB	145536	186503	7.75%	0.651%
63	12.896	1917	1926	1931	rBV	574460	852811	35.42%	2.976%
64	12.975	1931	1939	1944	rBV2	1045865	1474312	61.23%	5.145%
65	13.024	1944	1947	1952	rVB	36240	52653	2.19%	0.184%
66	13.085	1952	1957	1963	rVB2	162819	251311	10.44%	0.877%
67	13.152	1963	1968	1971	rBV	224545	282993	11.75%	0.988%
68	13.188	1971	1974	1978	rVB	218220	240988	10.01%	0.841%
69	13.249	1981	1984	1988	rVB	153439	177703	7.38%	0.620%
70	13.310	1988	1994	1995	rBV3	99536	128967	5.36%	0.450%
71	13.341	1995	1999	2006	rVB2	1038267	1521268	63.18%	5.309%

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72	13.426	2006	2013	2016	rBV2	112242	200115	8.31%	0.698%
73	13.560	2031	2035	2037	rBV	32996	37545	1.56%	0.131%
74	13.597	2037	2041	2044	rVV2	82247	117717	4.89%	0.411%
75	13.639	2044	2048	2051	rVV2	324535	443206	18.41%	1.547%
76	13.694	2051	2057	2059	rVV2	167032	359206	14.92%	1.254%
77	13.719	2059	2061	2070	rVB2	246314	314732	13.07%	1.098%
78	13.804	2070	2075	2079	rBV	93327	124893	5.19%	0.436%
79	13.853	2079	2083	2088	rVB	63280	85743	3.56%	0.299%
80	13.908	2088	2092	2097	rVB	67979	85491	3.55%	0.298%
81	13.987	2097	2105	2108	rBV2	87106	146357	6.08%	0.511%
82	14.030	2108	2112	2115	rBV2	40390	50181	2.08%	0.175%
83	14.127	2124	2128	2131	rBV2	32092	45018	1.87%	0.157%
84	14.158	2131	2133	2138	rVB	36906	42604	1.77%	0.149%
85	14.267	2147	2151	2158	rBV2	64412	111899	4.65%	0.391%
86	14.377	2161	2169	2173	rVV2	28636	46935	1.95%	0.164%
87	14.432	2173	2178	2182	rVV2	30754	41538	1.73%	0.145%
88	14.536	2190	2195	2205	rBV2	81504	125085	5.19%	0.437%
89	14.731	2223	2227	2231	rVB2	32455	42491	1.76%	0.148%
90	14.840	2238	2245	2254	rBV2	110839	177379	7.37%	0.619%
91	15.688	2376	2384	2387	rBV3	20994	37898	1.57%	0.132%

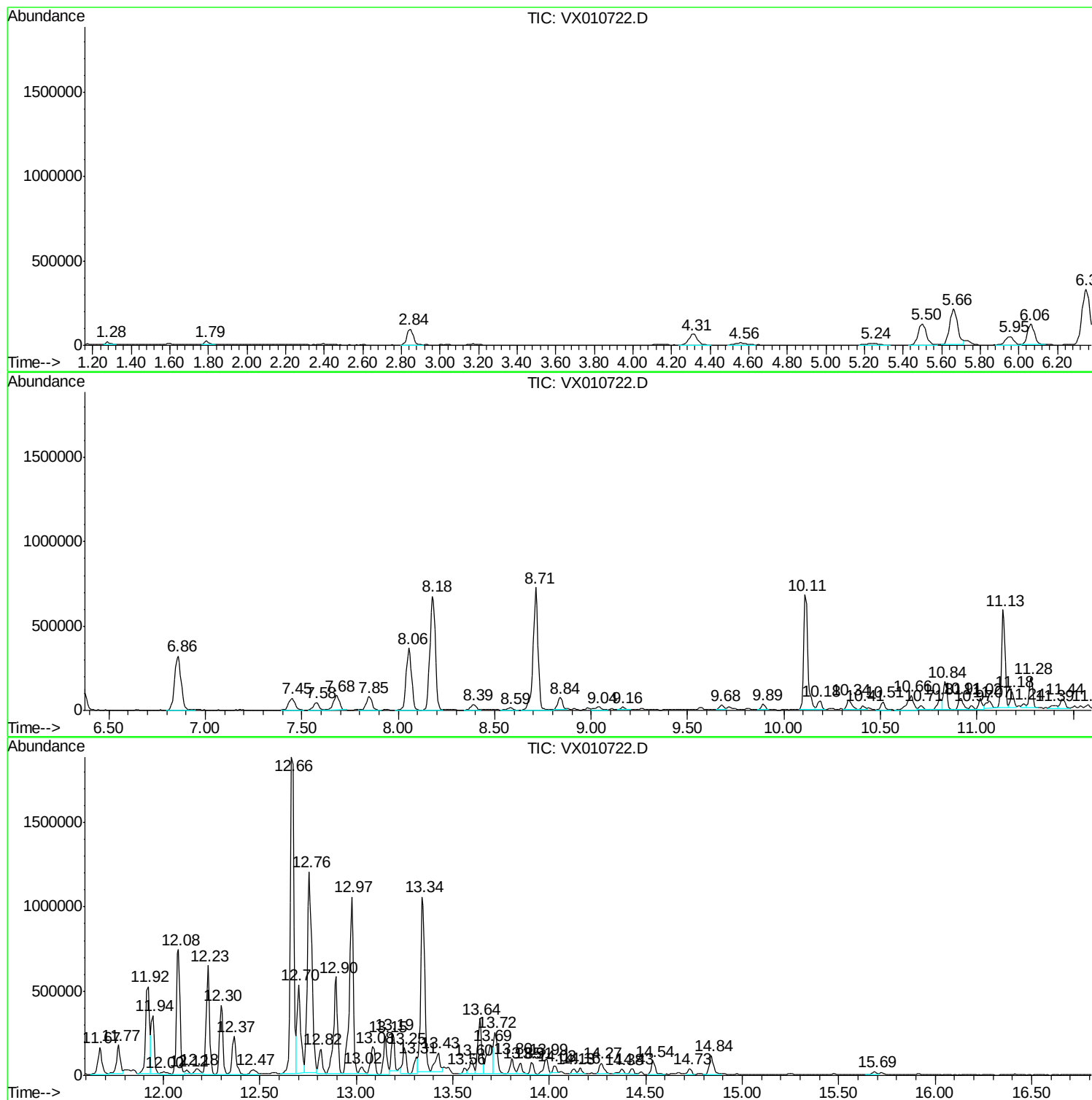
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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



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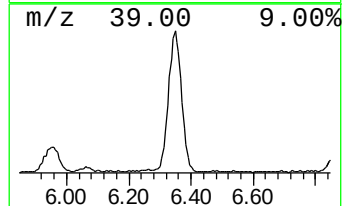
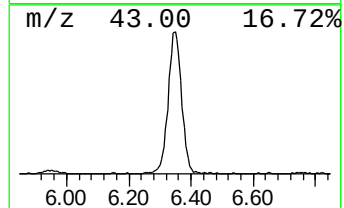
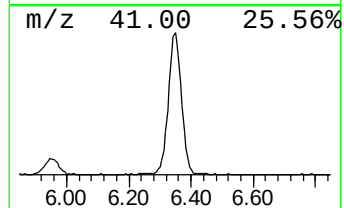
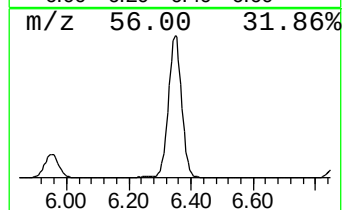
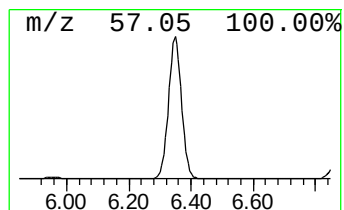
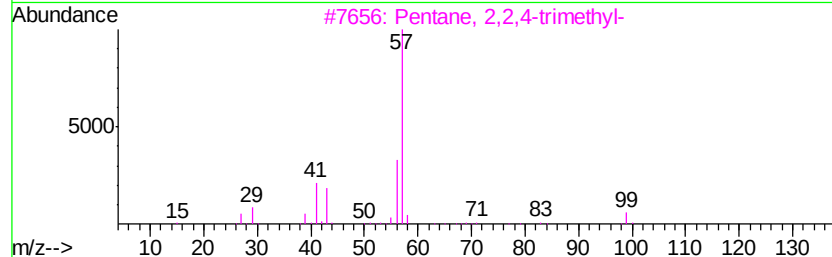
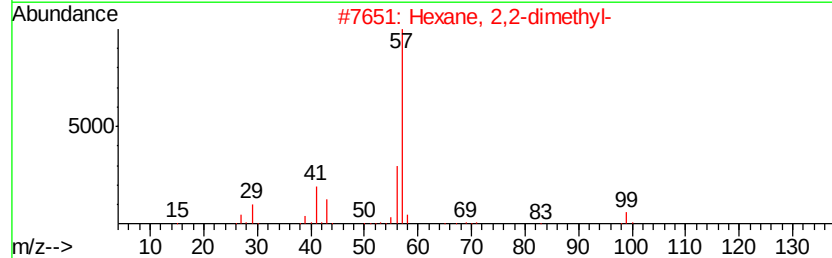
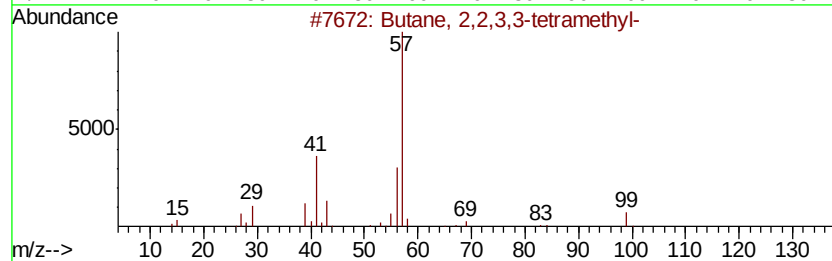
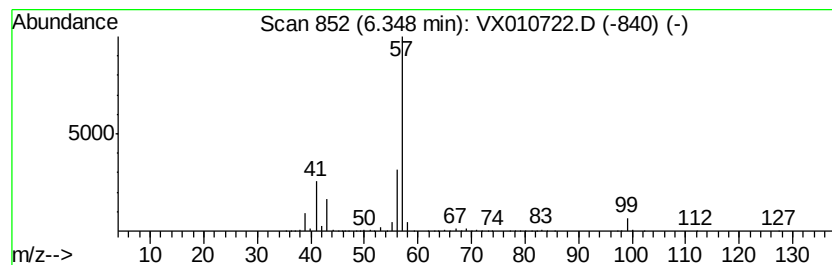
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	65.14 ug/l	983081	1,4-Difluorobenzene	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59



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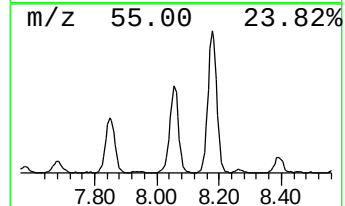
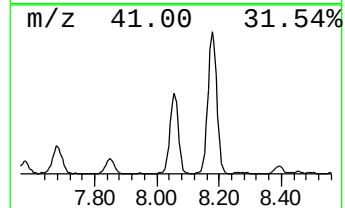
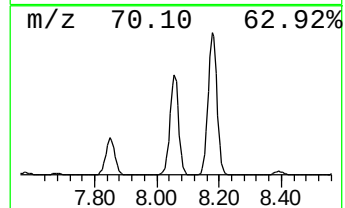
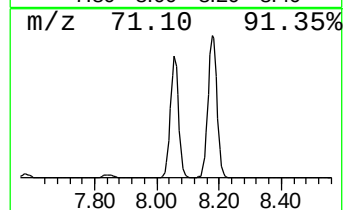
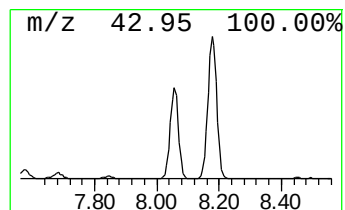
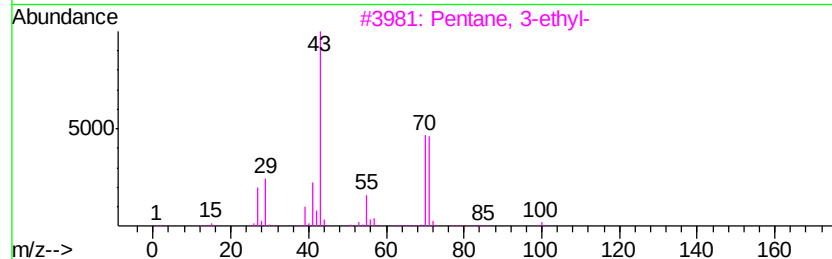
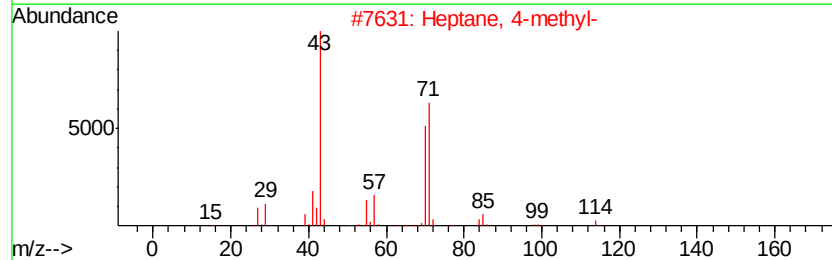
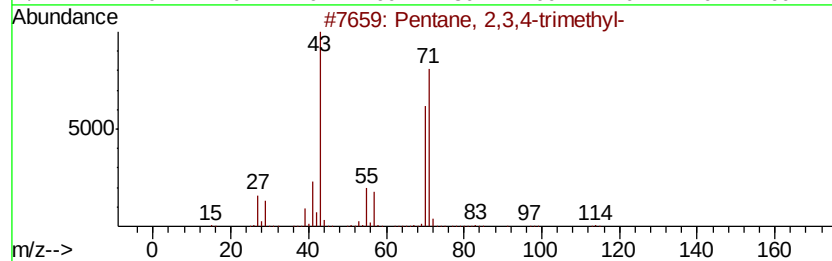
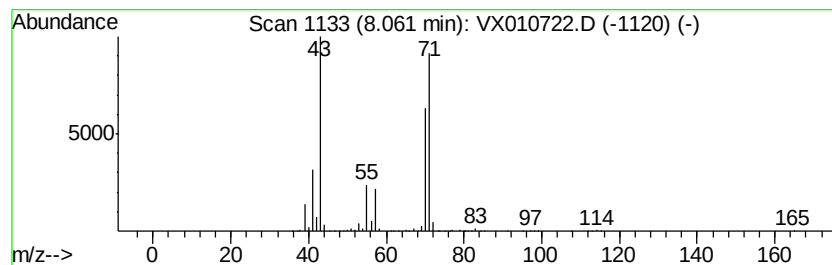
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 Quant Title : SW846 8260

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

 Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	47.48 ug/l	716570	1,4-Difluorobenzene	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3		Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4		Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78
5		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72



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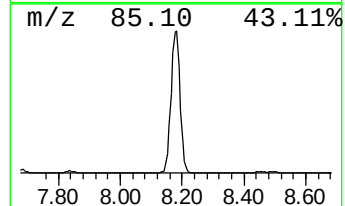
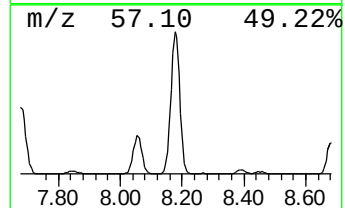
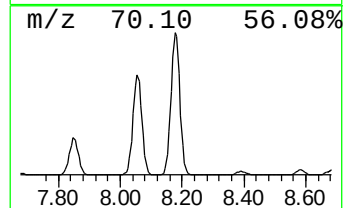
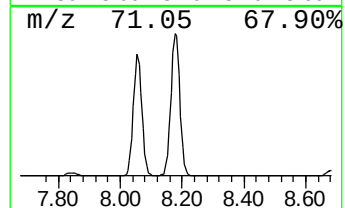
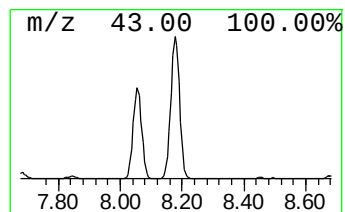
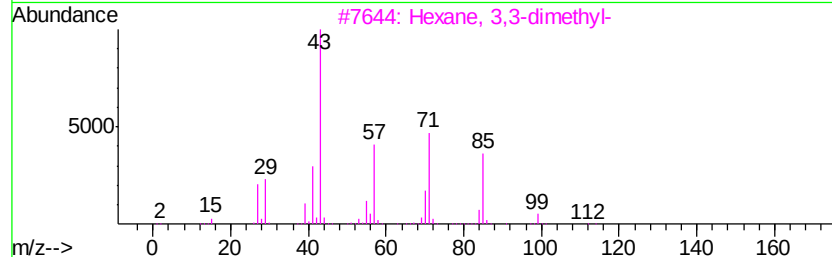
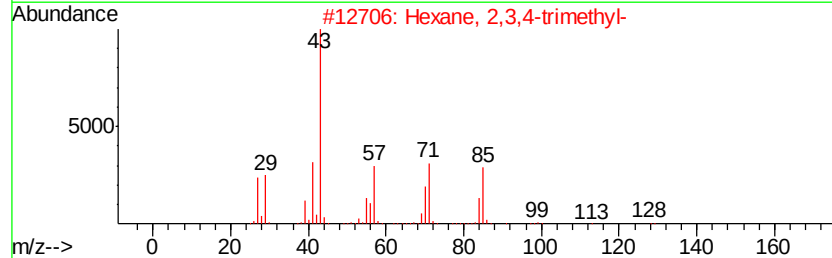
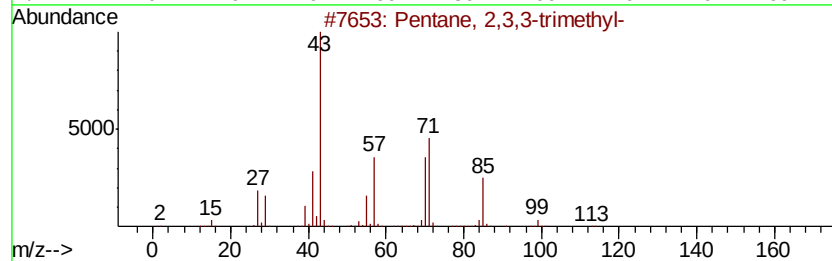
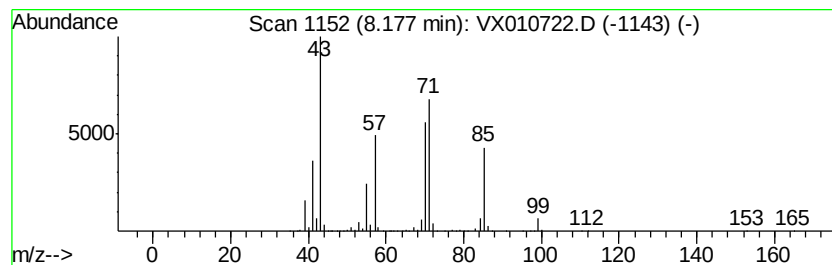
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	88.10 ug/l	1329610	1,4-Difluorobenzene	6.86

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53



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ClientSampleId :
SS038RW150-190703

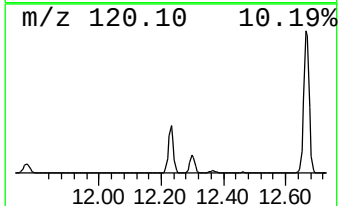
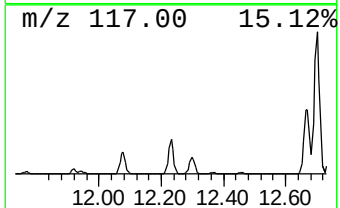
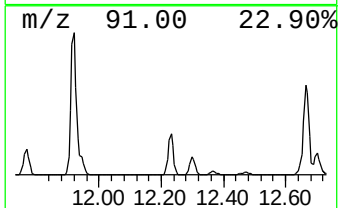
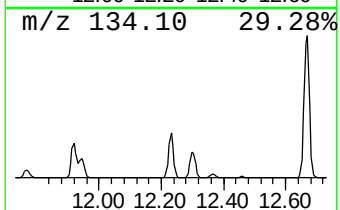
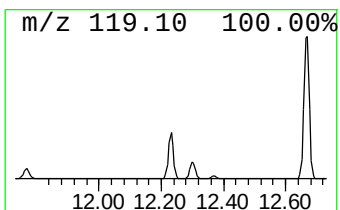
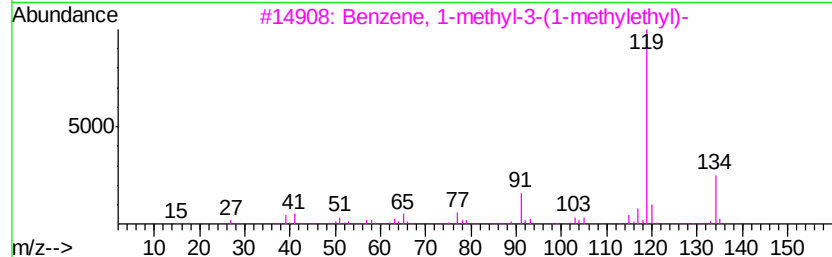
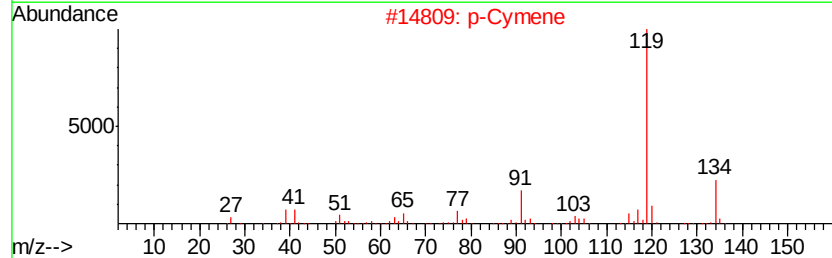
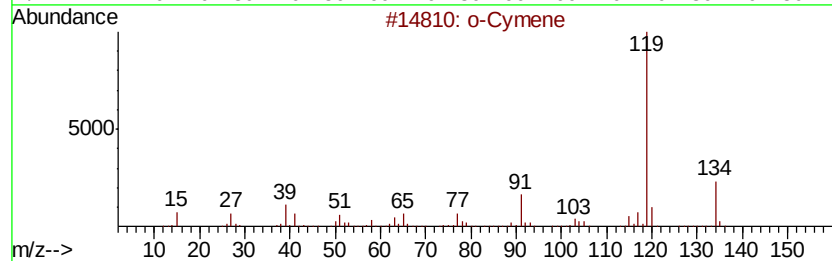
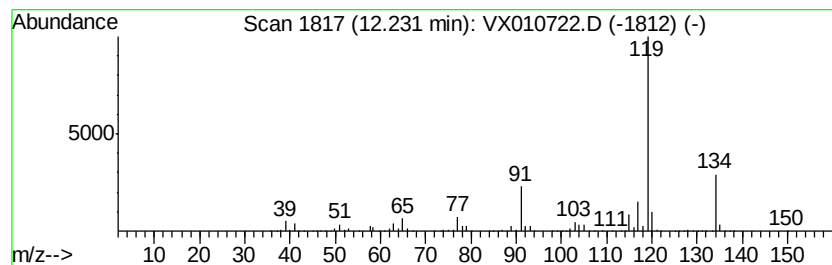
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Quant Title : SW846 8260

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

Peak Number 4 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	40.81 ug/l	782660	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

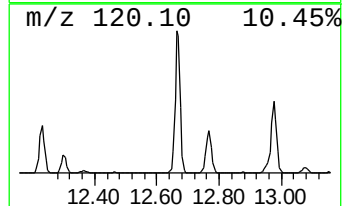
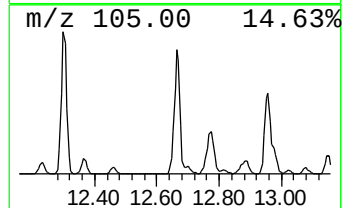
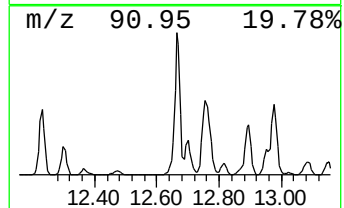
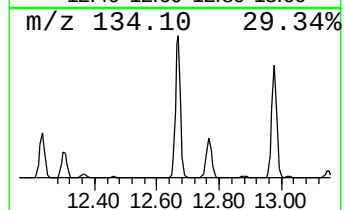
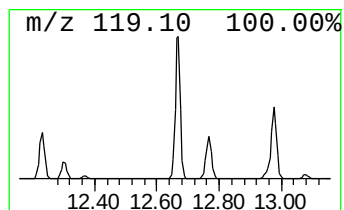
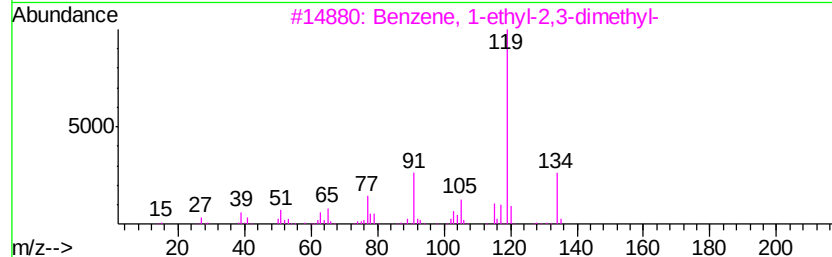
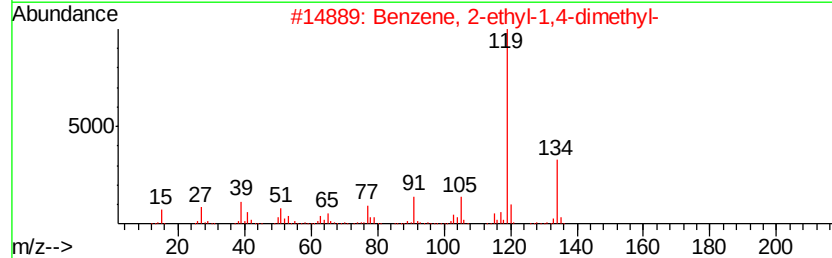
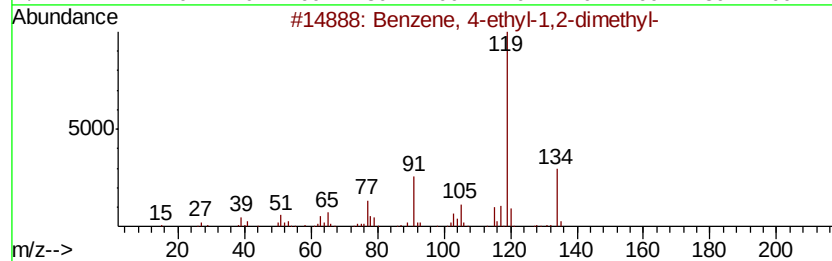
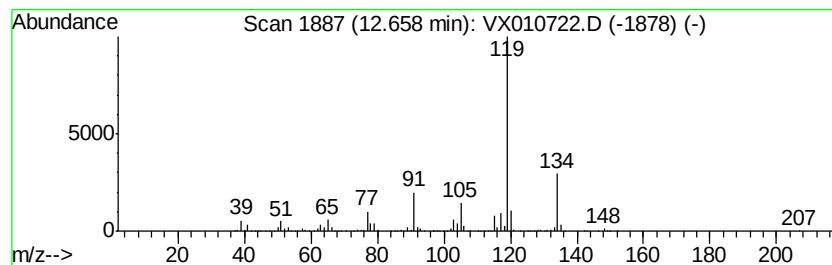
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.66	125.55 ug/l	2407920	1,4-Dichlorobenzene-d4	12.08	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
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_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

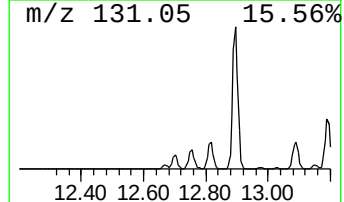
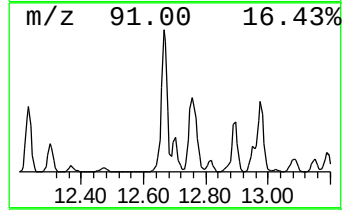
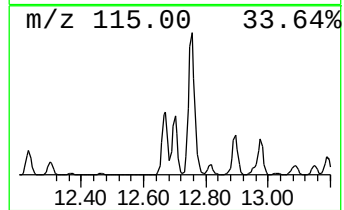
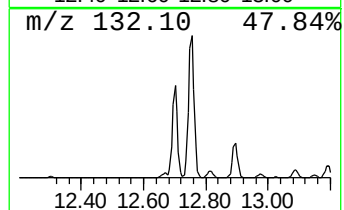
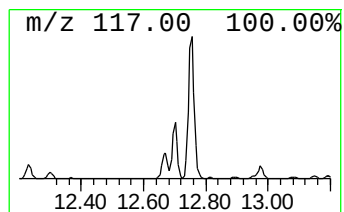
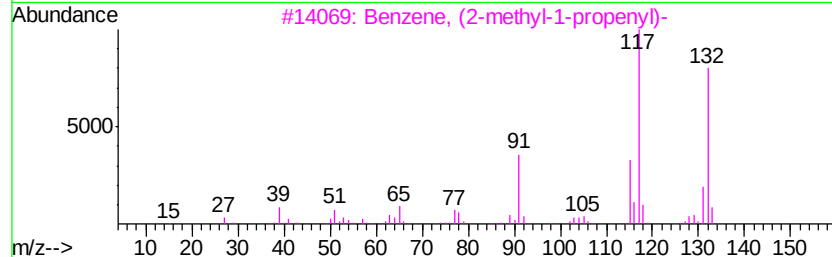
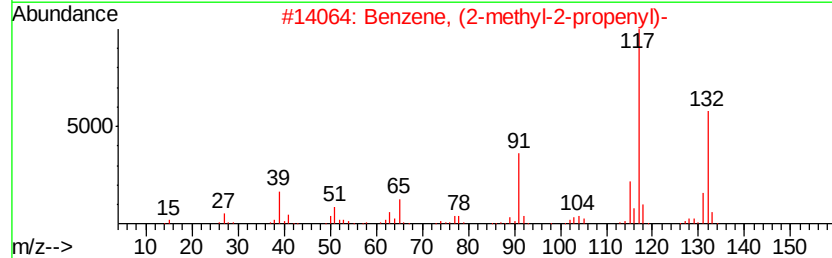
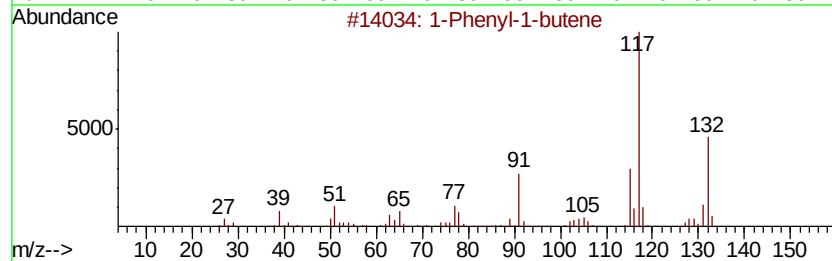
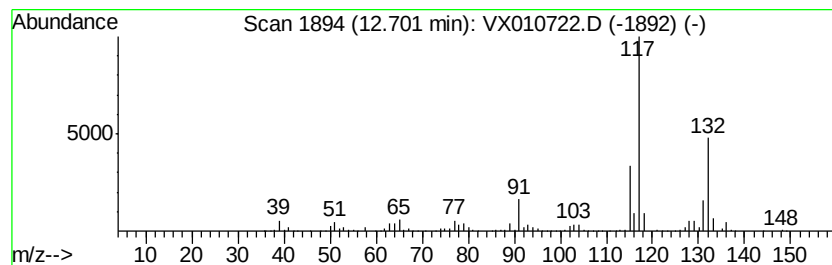
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

Peak Number 6 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	35.50 ug/l	680790	1,4-Dichlorobenzene-d4	12.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Phenyl-1-butene	132 C10H12	000824-90-8 94
2		Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7 91
3		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 91
4		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 91
5		1H-Indene, 2,3-dihydro-2-methyl-	132 C10H12	000824-63-5 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

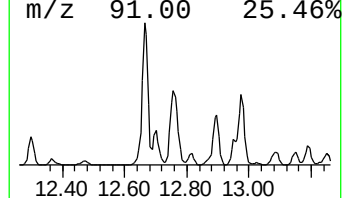
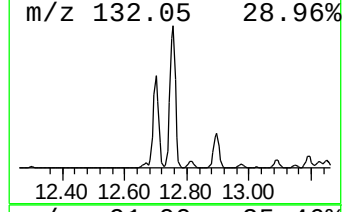
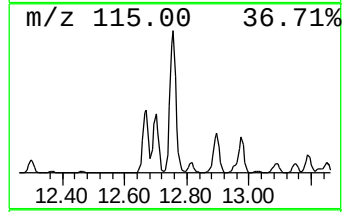
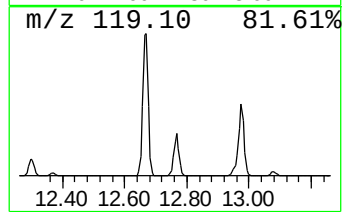
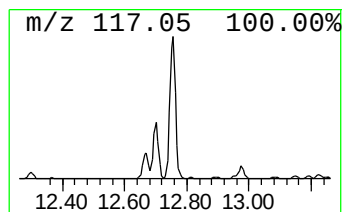
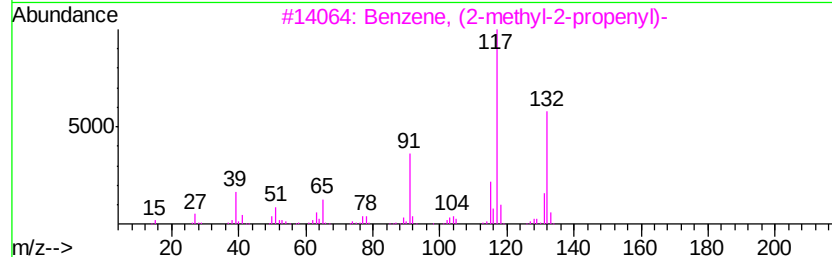
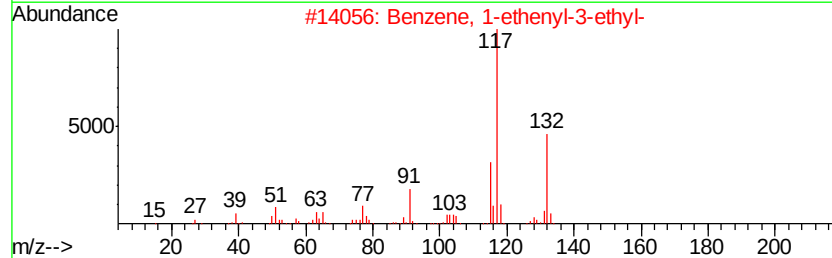
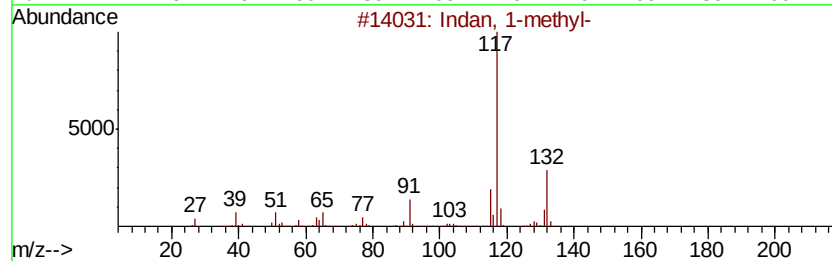
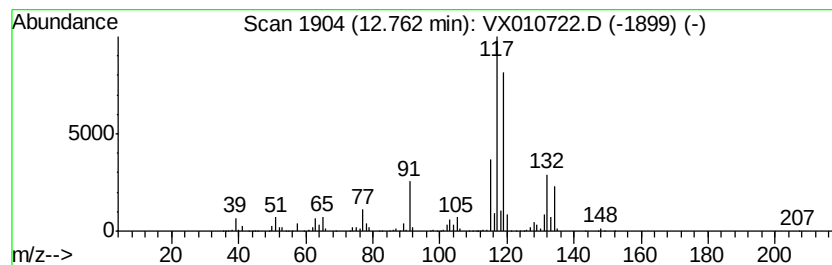
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

Peak Number 7 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	102.72 ug/l	1970020	1,4-Dichlorobenzene-d4	12.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indan, 1-methyl-	132 C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	81
3	Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7	80
4	Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7	76
5	3-Phenylbut-1-ene	132 C10H12	000934-10-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

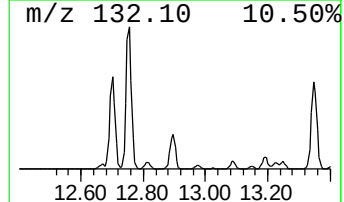
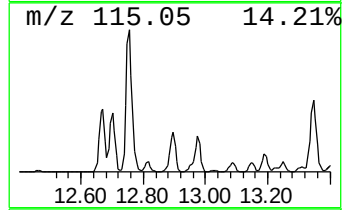
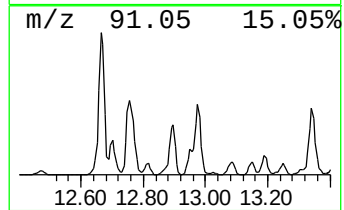
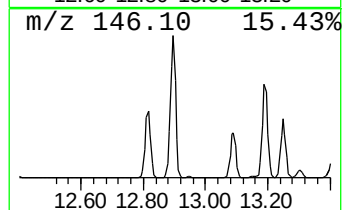
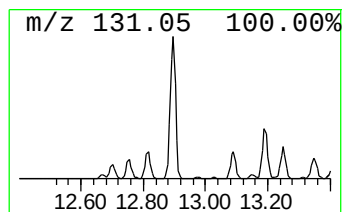
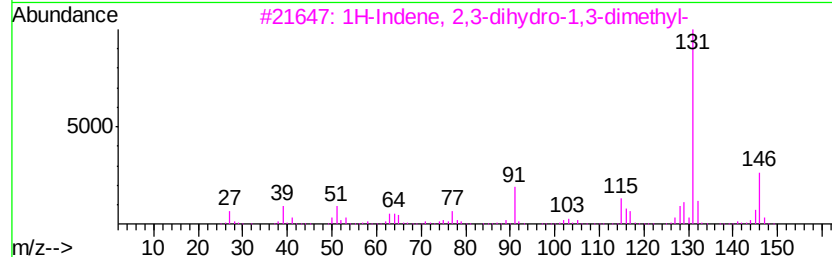
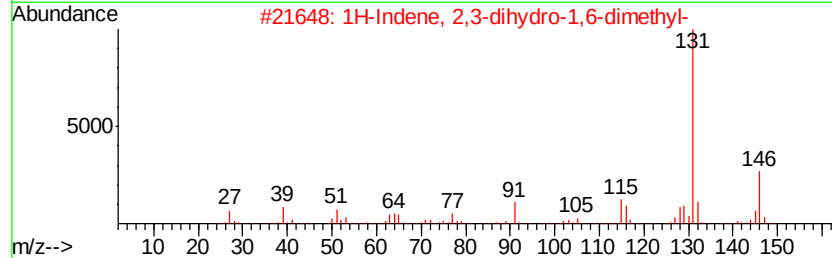
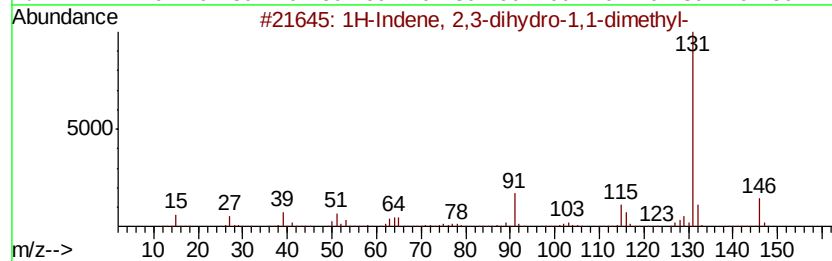
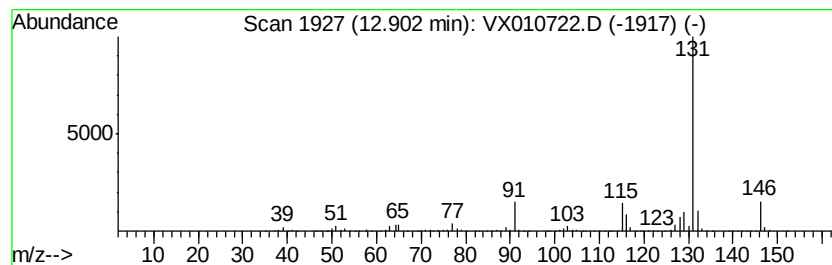
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.90	44.47 ug/l	852811	1,4-Dichlorobenzene-d4	12.08	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

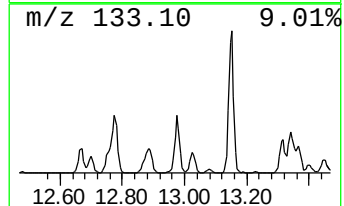
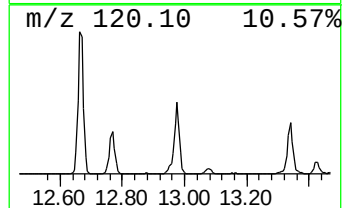
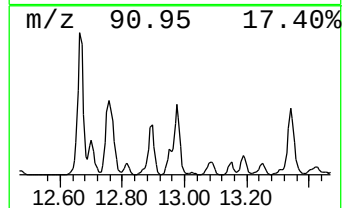
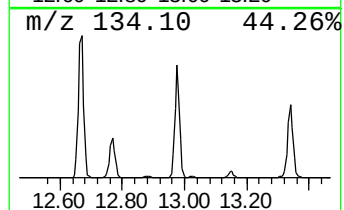
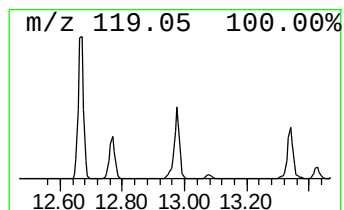
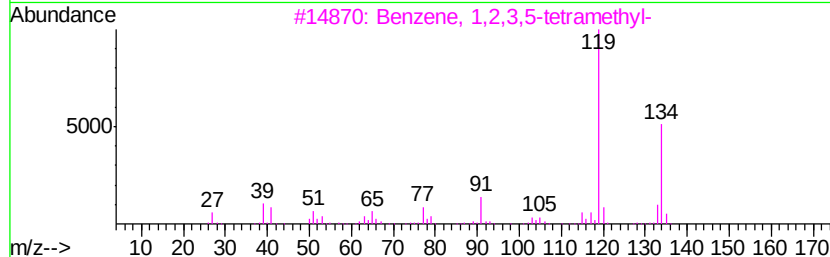
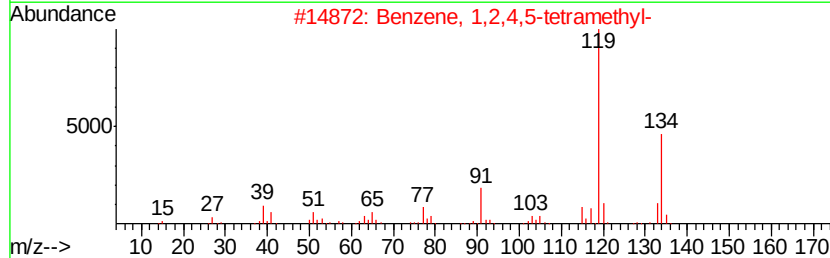
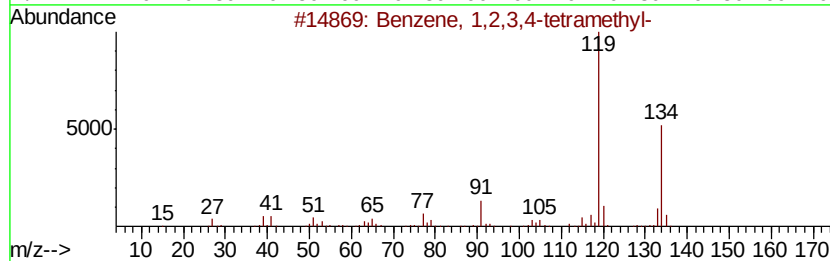
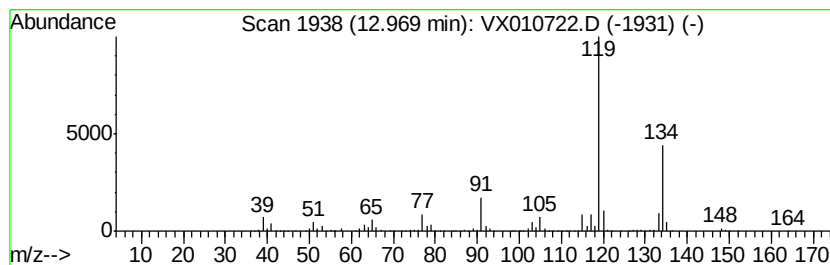
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	76.87 ug/l	1474310	1,4-Dichlorobenzene-d4	12.08

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010722.D
Acq On : 09 Jul 2019 02:19
Operator : JC/SP
Sample : K3690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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...	6.35	65.1	ug/l	983081	2	6.86	754579	50.0
Pentane, 2,3,4-tr...	8.06	47.5	ug/l	716570	2	6.86	754579	50.0
Pentane, 2,3,3-tr...	8.18	88.1	ug/l	1329610	2	6.86	754579	50.0
o-Cymene	12.23	40.8	ug/l	782660	4	12.08	958960	50.0
Benzene, 4-ethyl-...	12.66	125.6	ug/l	2407920	4	12.08	958960	50.0
1-Phenyl-1-butene	12.70	35.5	ug/l	680790	4	12.08	958960	50.0
Indan, 1-methyl-	12.76	102.7	ug/l	1970020	4	12.08	958960	50.0
1H-Indene, 2,3-di...	12.90	44.5	ug/l	852811	4	12.08	958960	50.0
Benzene, 1,2,3,4-...	12.97	76.9	ug/l	1474310	4	12.08	958960	50.0