

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
 Data File : VX000154.D
 Acq On : 27 Feb 2018 19:42
 Operator : JC/MD
 Sample : J1683-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 RFK-RMAB-MW10-GW

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 : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.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	1.075	76	80	97	rBV	891598	989044	17.44%	1.499%
2	1.270	108	112	116	rBV	2098320	2142336	37.78%	3.247%
3	1.313	116	119	139	rVB	269230	899809	15.87%	1.364%
4	2.849	363	371	378	rBV	39108	85104	1.50%	0.129%
5	5.513	797	808	821	rBV	69834	195037	3.44%	0.296%
6	5.678	824	835	856	rVB	117950	379156	6.69%	0.575%
7	6.080	892	901	909	rBV2	74270	193947	3.42%	0.294%
8	6.873	1021	1031	1041	rBV	181007	418395	7.38%	0.634%
9	8.726	1328	1335	1343	rBV	350780	548313	9.67%	0.831%
10	9.531	1460	1467	1472	rBV	60255	92025	1.62%	0.139%
11	10.122	1558	1564	1573	rBV	364507	509614	8.99%	0.772%
12	10.256	1582	1586	1593	rBV	80659	110286	1.95%	0.167%
13	10.366	1597	1604	1610	rVB	68444	107515	1.90%	0.163%
14	10.707	1654	1660	1674	rVB	194520	265224	4.68%	0.402%
15	11.146	1726	1732	1743	rVB	328553	434756	7.67%	0.659%
16	11.366	1762	1768	1776	rVB	68531	88500	1.56%	0.134%
17	11.463	1776	1784	1788	rVV	257195	337726	5.96%	0.512%
18	11.512	1788	1792	1802	rVB	851581	1034507	18.25%	1.568%
19	11.677	1813	1819	1828	rBV	1839248	2197518	38.76%	3.331%
20	11.817	1837	1842	1848	rVB	1162664	1403061	24.75%	2.127%
21	12.036	1873	1878	1881	rBV	213269	267633	4.72%	0.406%
22	12.085	1881	1886	1890	rVV	483494	633159	11.17%	0.960%
23	12.152	1890	1897	1907	rVV	1823981	2260147	39.86%	3.426%
24	12.238	1907	1911	1916	rVB	64225	82755	1.46%	0.125%
25	12.311	1917	1923	1930	rBV	1782336	2556275	45.08%	3.875%
26	12.378	1930	1934	1940	rVB2	1404233	1916867	33.81%	2.906%
27	12.469	1945	1949	1954	rVB2	314013	394277	6.95%	0.598%
28	12.530	1954	1959	1965	rVB	642911	908447	16.02%	1.377%
29	12.597	1965	1970	1972	rBV	1469965	2085851	36.79%	3.162%
30	12.616	1972	1973	1978	rVB	1299893	1239835	21.87%	1.879%
31	12.677	1978	1983	1987	rBV	3883488	4493177	79.24%	6.811%
32	12.707	1987	1988	1993	rVB	224472	223640	3.94%	0.339%
33	12.762	1993	1997	2005	rBV2	1549011	2531195	44.64%	3.837%
34	12.859	2010	2013	2017	rVB2	73742	81394	1.44%	0.123%

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35	12.914	2017	2022	2026	rVB2	732176	939865	16.58%	1.425%
36	12.987	2026	2034	2037	rBV	2568422	3158596	55.71%	4.788%
37	13.024	2037	2040	2046	rVB	3503527	4356868	76.84%	6.604%
38	13.091	2046	2051	2052	rBV	309706	419005	7.39%	0.635%
39	13.109	2052	2054	2057	rVV	387567	455961	8.04%	0.691%
40	13.134	2057	2058	2061	rVB	153708	91693	1.62%	0.139%
41	13.201	2066	2069	2071	rVV2	219958	307168	5.42%	0.466%
42	13.231	2071	2074	2078	rVV	1313718	1695426	29.90%	2.570%
43	13.274	2078	2081	2084	rVV2	219675	263344	4.64%	0.399%
44	13.317	2084	2088	2090	rVV2	452869	613587	10.82%	0.930%
45	13.359	2090	2095	2100	rVV2	3887208	5670061	100.00%	8.595%
46	13.432	2104	2107	2112	rVV	415152	510043	9.00%	0.773%
47	13.487	2112	2116	2122	rVB	616769	787795	13.89%	1.194%
48	13.567	2124	2129	2132	rBV2	294280	424127	7.48%	0.643%
49	13.609	2132	2136	2139	rVV	712991	996433	17.57%	1.510%
50	13.646	2139	2142	2148	rVV3	966895	1885904	33.26%	2.859%
51	13.707	2148	2152	2153	rVV	427916	540830	9.54%	0.820%
52	13.731	2153	2156	2161	rVB2	812137	1247792	22.01%	1.891%
53	13.780	2161	2164	2167	rBV	61547	59000	1.04%	0.089%
54	13.841	2167	2174	2183	rBV	910340	1326558	23.40%	2.011%
55	13.926	2183	2188	2193	rVB4	155446	264187	4.66%	0.400%
56	13.993	2193	2199	2203	rBV2	389702	603714	10.65%	0.915%
57	14.036	2203	2206	2210	rBV	294087	328788	5.80%	0.498%
58	14.140	2219	2223	2230	rBV	644758	808581	14.26%	1.226%
59	14.225	2235	2237	2241	rVB2	57860	63298	1.12%	0.096%
60	14.280	2241	2246	2255	rBV	587530	1031038	18.18%	1.563%
61	14.384	2260	2263	2268	rVV	364945	456742	8.06%	0.692%
62	14.438	2268	2272	2276	rVV	445510	544065	9.60%	0.825%
63	14.481	2276	2279	2285	rVB	49373	75352	1.33%	0.114%
64	14.548	2285	2290	2294	rBV2	163966	239077	4.22%	0.362%
65	14.670	2303	2310	2313	rBV2	188612	362390	6.39%	0.549%
66	14.701	2313	2315	2319	rVV	276663	368414	6.50%	0.558%
67	14.737	2319	2321	2326	rVB4	73632	107656	1.90%	0.163%
68	14.792	2326	2330	2334	rBV2	55616	66605	1.17%	0.101%
69	14.847	2334	2339	2348	rBV	1228185	1649052	29.08%	2.500%
70	15.255	2399	2406	2414	rBV2	79238	156224	2.76%	0.237%
71	15.450	2433	2438	2441	rBV3	41068	65970	1.16%	0.100%

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72	15.560	2451	2456	2460	rBV	86877	136107	2.40%	0.206%
73	15.694	2473	2478	2482	rBV	239280	389241	6.86%	0.590%
74	15.737	2482	2485	2492	rVB	128097	186492	3.29%	0.283%
75	15.902	2507	2512	2514	rBV	39043	66974	1.18%	0.102%
76	16.078	2536	2541	2553	rVB2	39201	87007	1.53%	0.132%
77	16.438	2590	2600	2606	rBV4	17160	58572	1.03%	0.089%

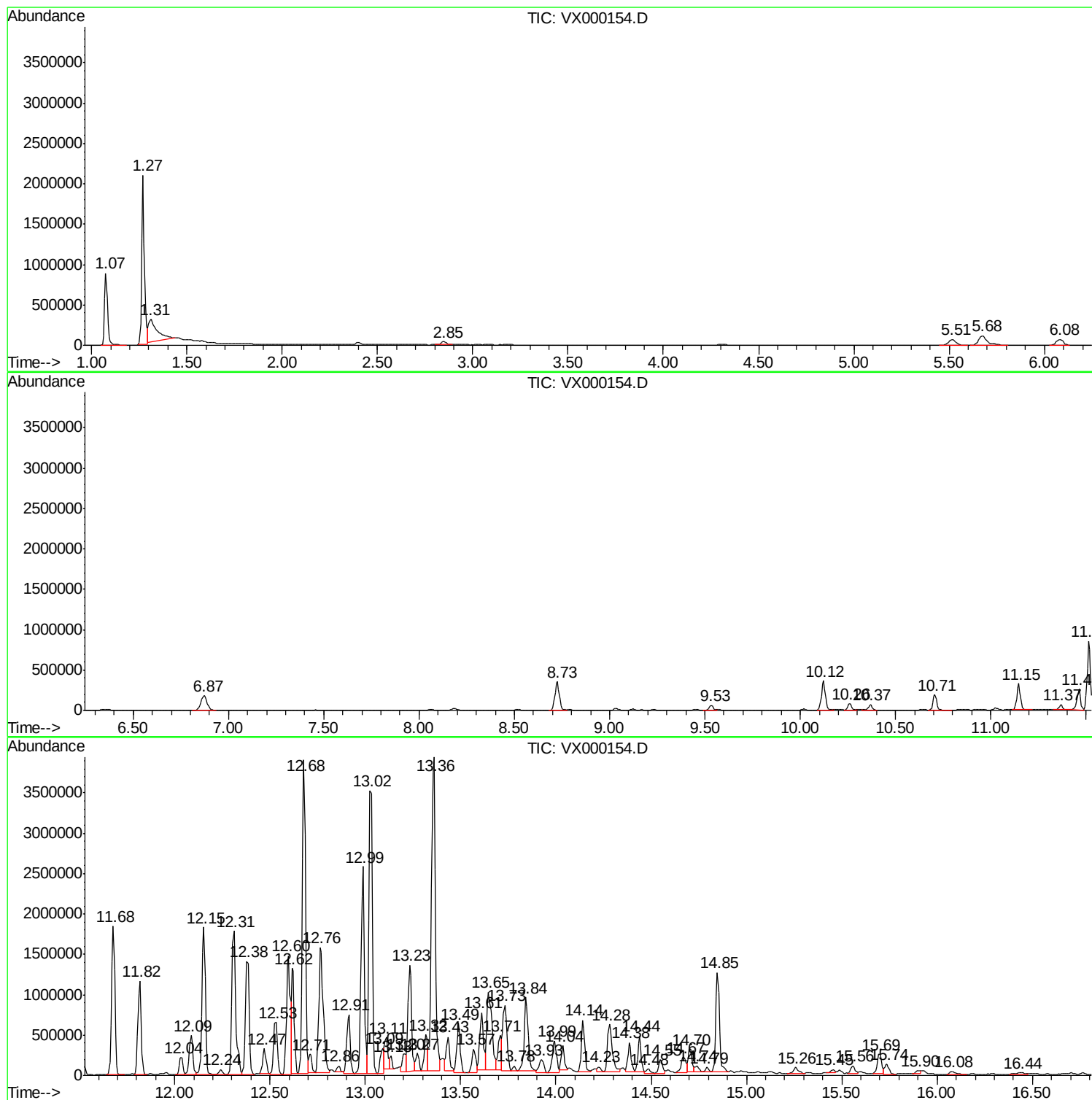
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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



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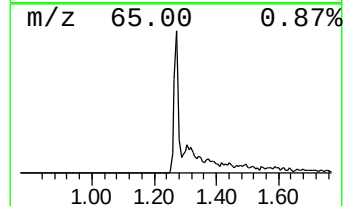
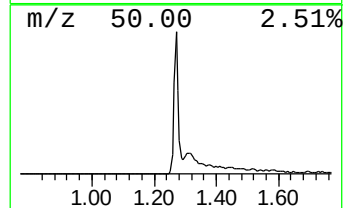
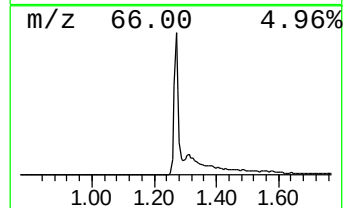
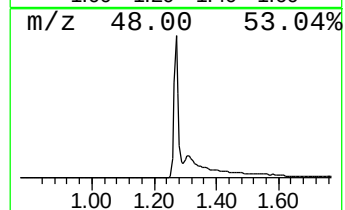
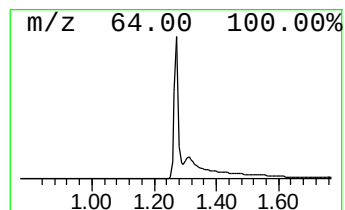
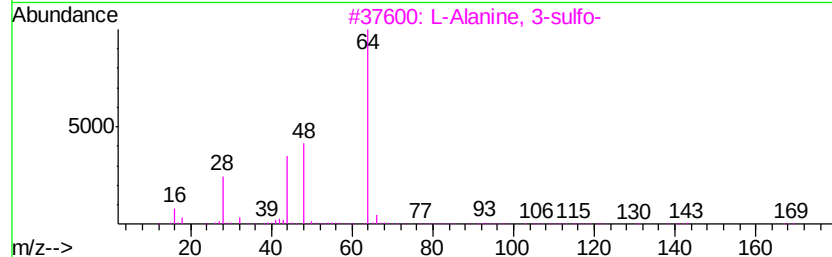
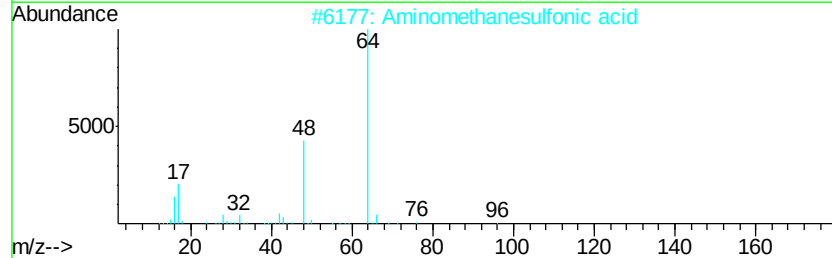
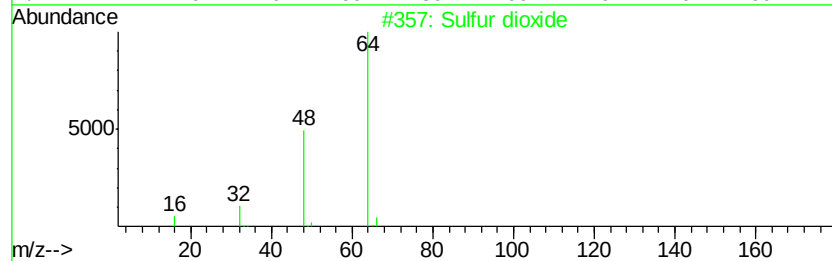
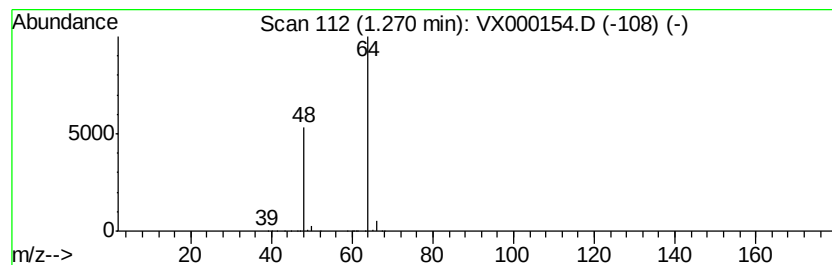
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.27	282.51 ug/l	2142340	Pentafluorobenzene	5.68
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur dioxide	64 O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111 CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169 C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64 C2H2F2	000075-38-7	4
5	Ethyl Chloride	64 C2H5Cl	000075-00-3	3



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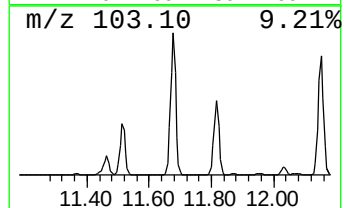
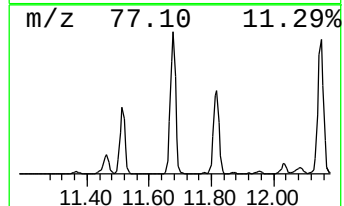
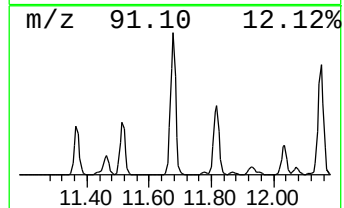
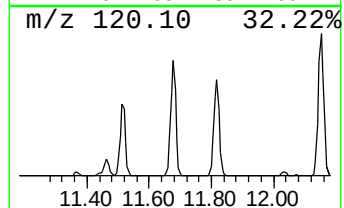
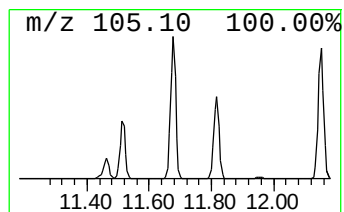
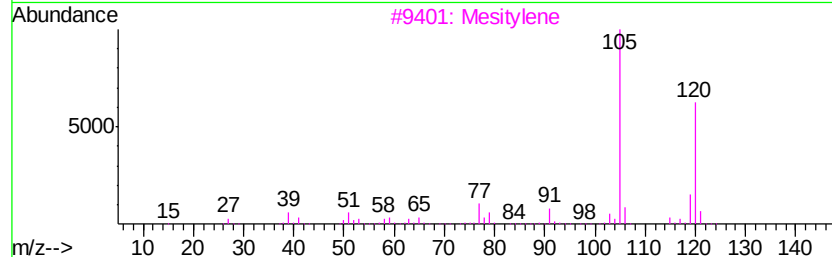
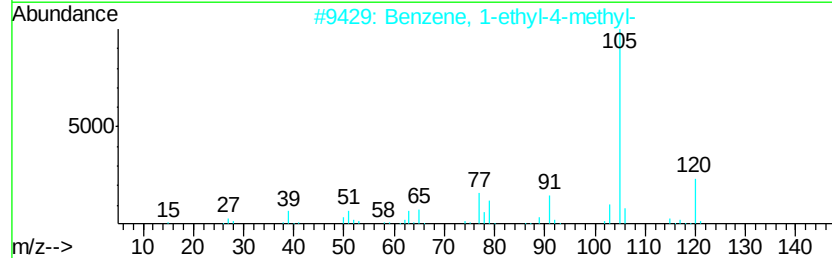
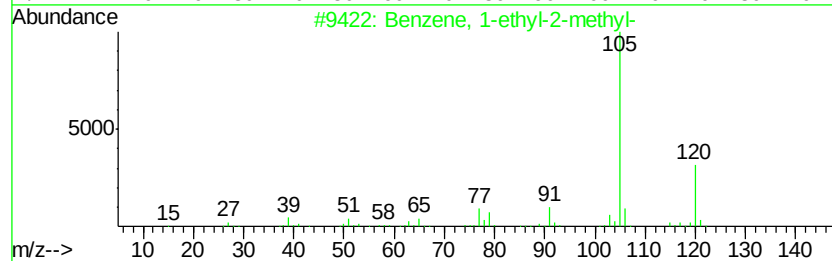
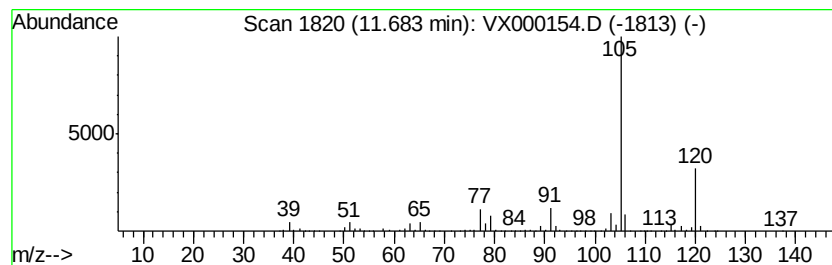
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	173.54 ug/l	2197520	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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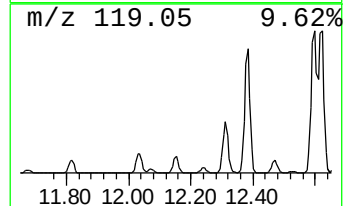
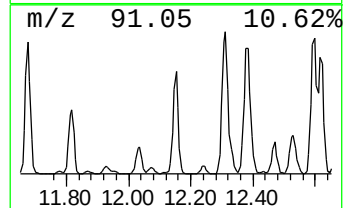
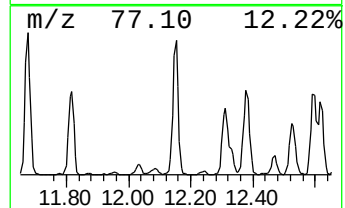
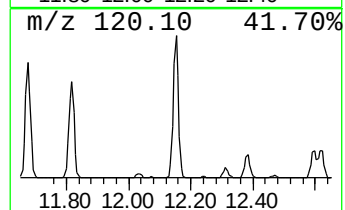
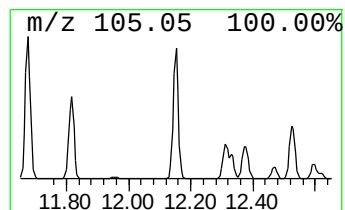
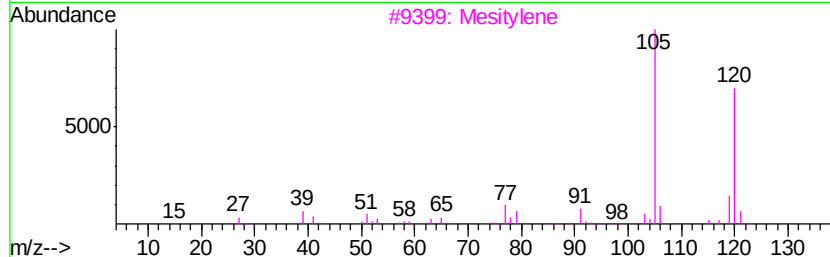
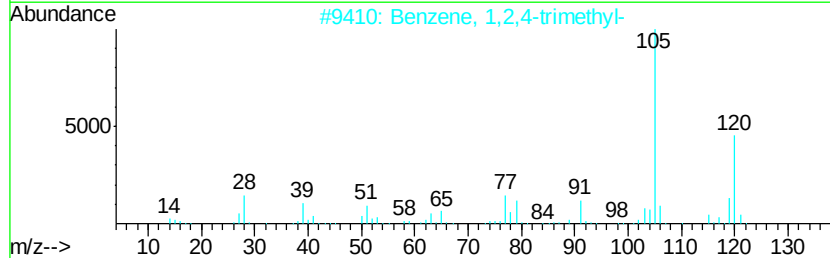
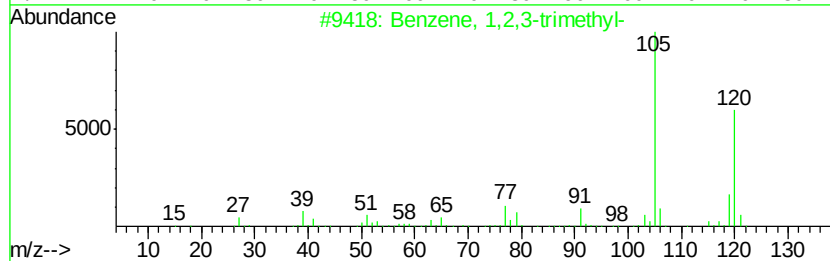
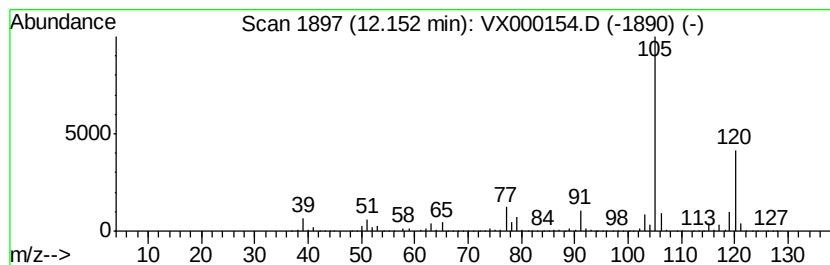
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	178.48 ug/l	2260150	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



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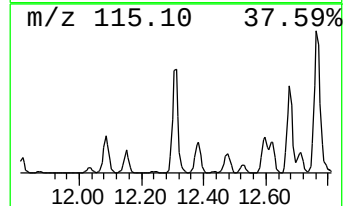
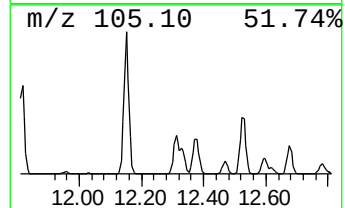
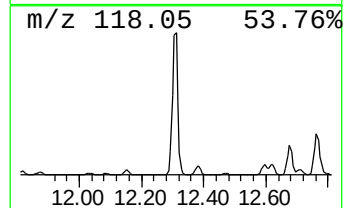
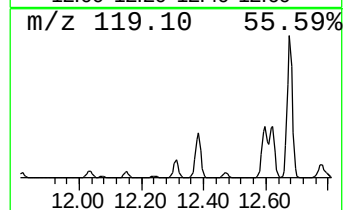
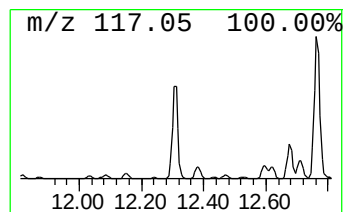
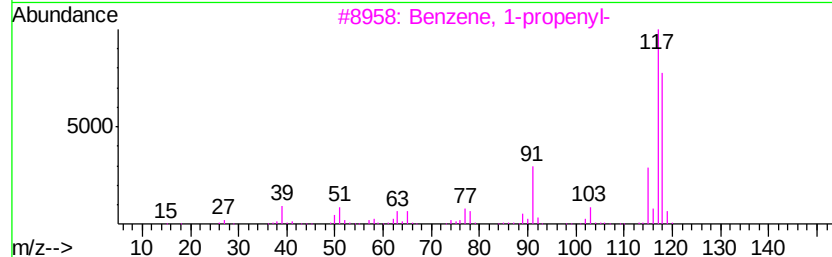
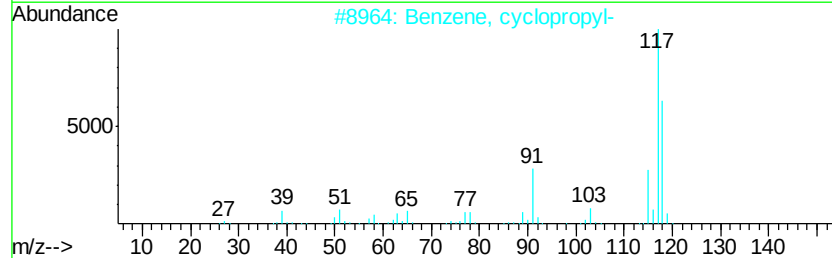
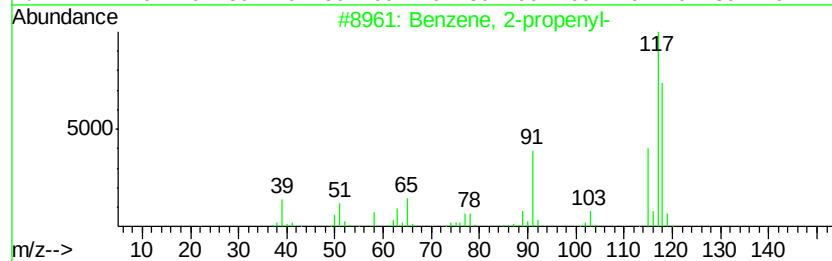
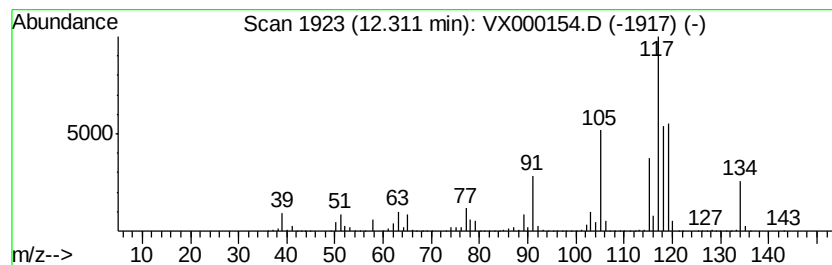
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ClientSampleId :
RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	201.87 ug/l	2556280	1,4-Dichlorobenzene-d4	12.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-propenyl-	118 C9H10	000300-57-2 60
2		Benzene, cyclopropyl-	118 C9H10	000873-49-4 60
3		Benzene, 1-propenyl-	118 C9H10	000637-50-3 60
4		Indane	118 C9H10	000496-11-7 55
5		Deltacyclene	118 C9H10	007785-10-6 49



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

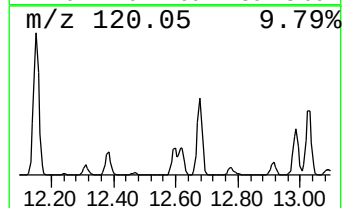
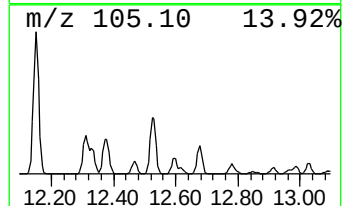
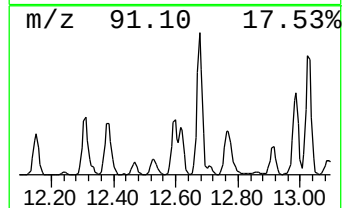
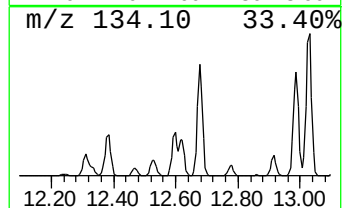
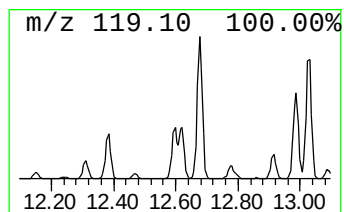
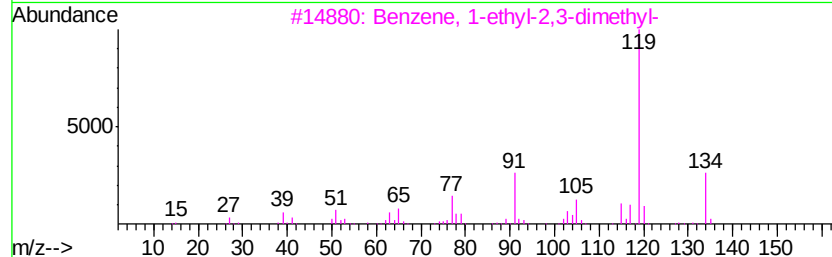
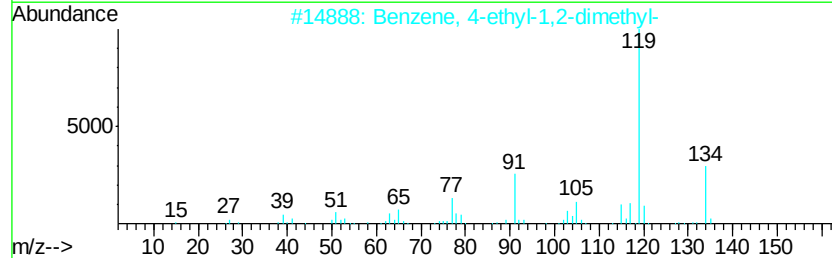
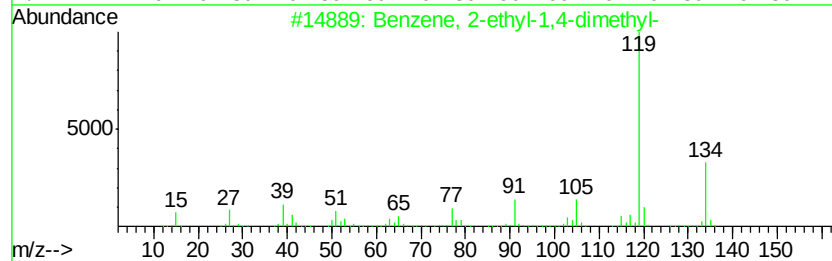
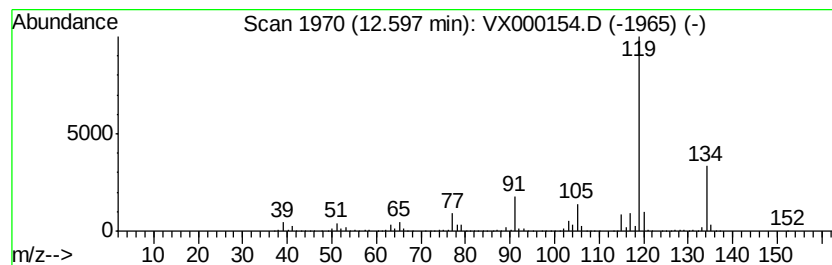
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	164.72 ug/l	2085850	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

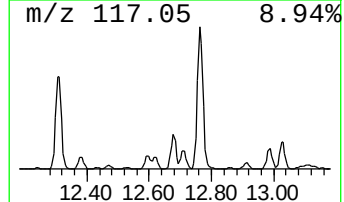
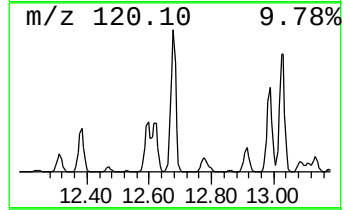
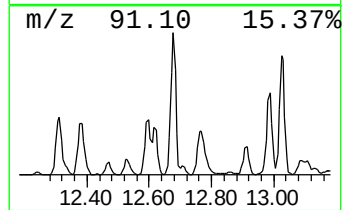
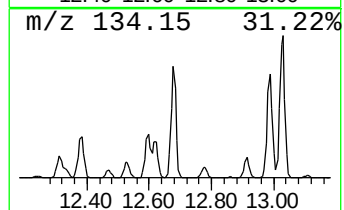
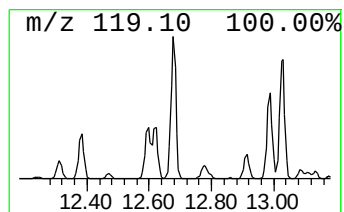
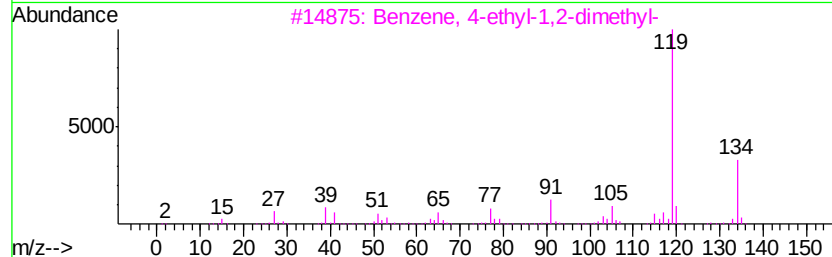
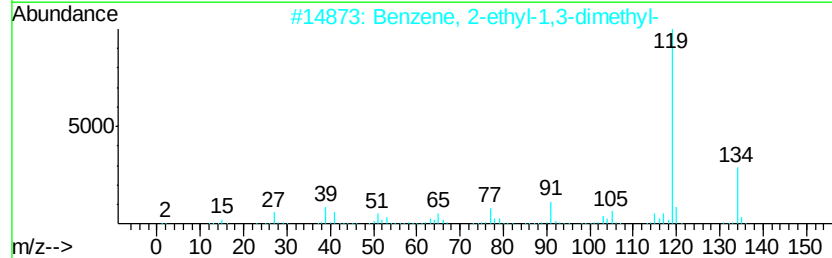
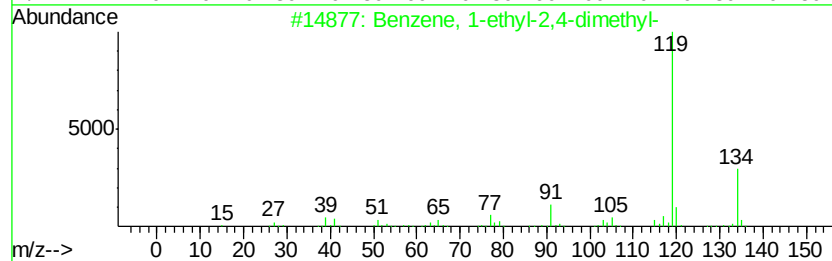
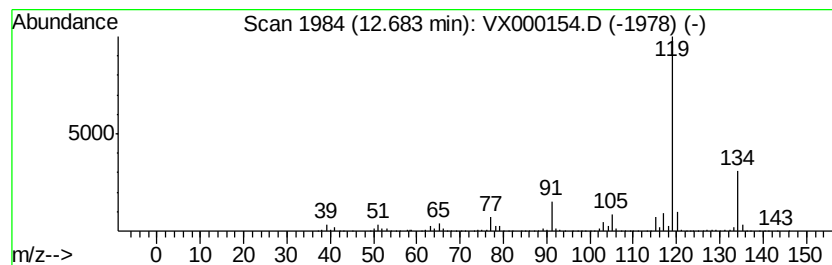
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	354.82 ug/l	4493180	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

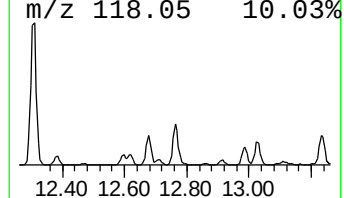
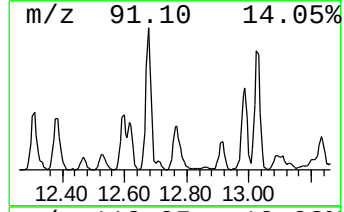
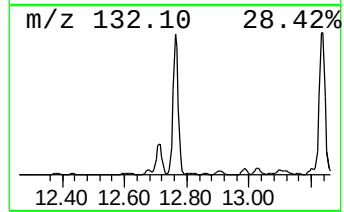
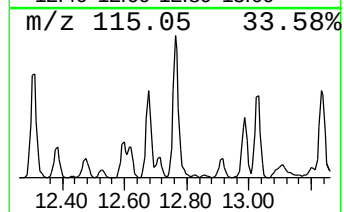
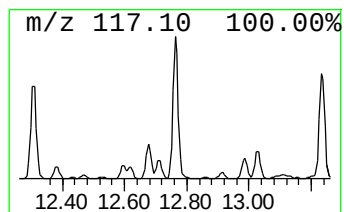
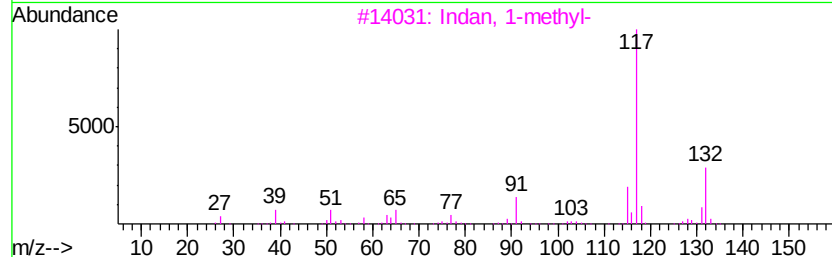
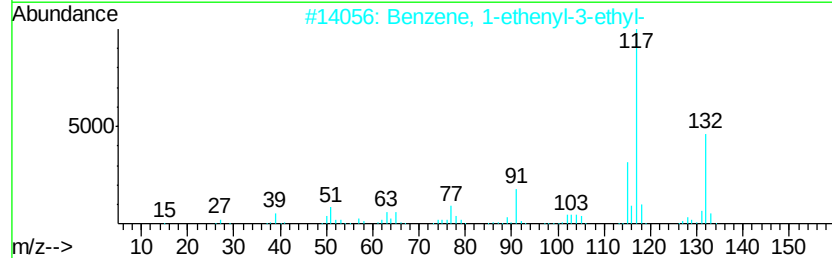
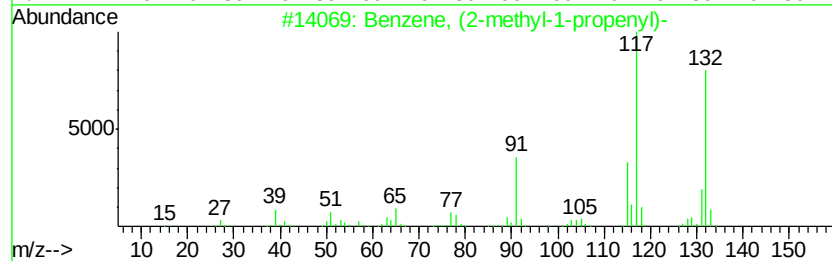
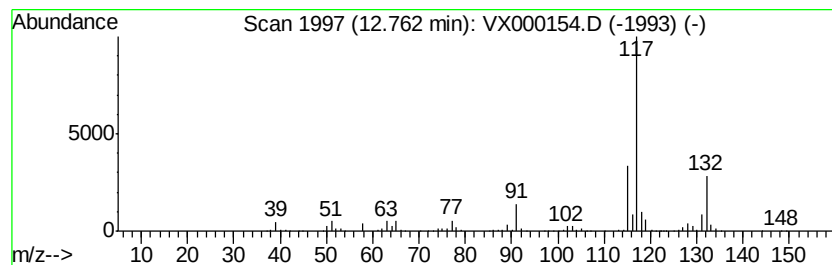
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	199.89 ug/l	2531200	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3		Indan, 1-methyl-	132	C10H12	000767-58-8	87
4		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	83
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

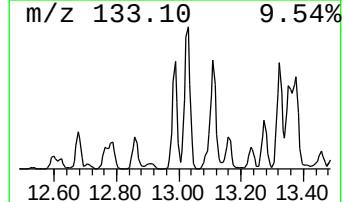
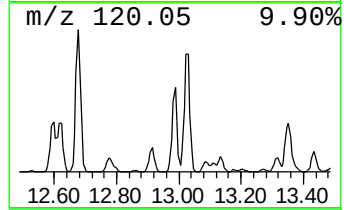
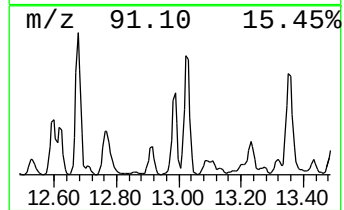
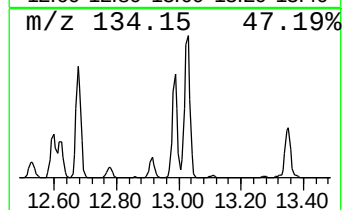
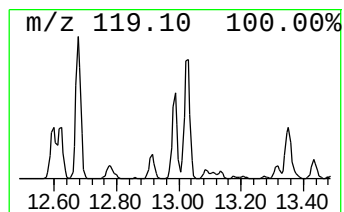
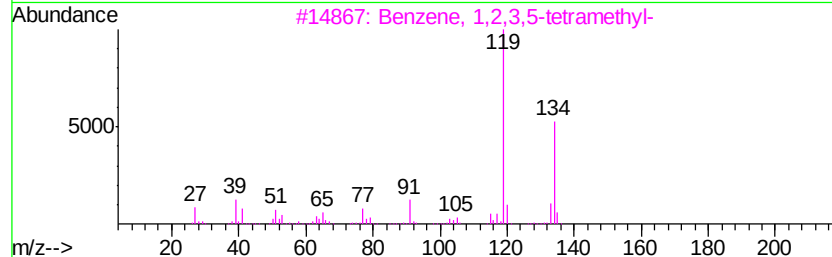
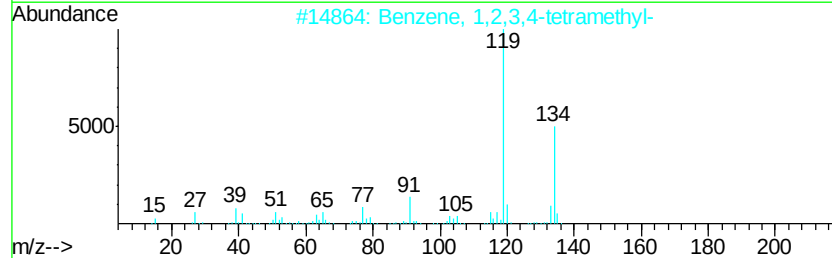
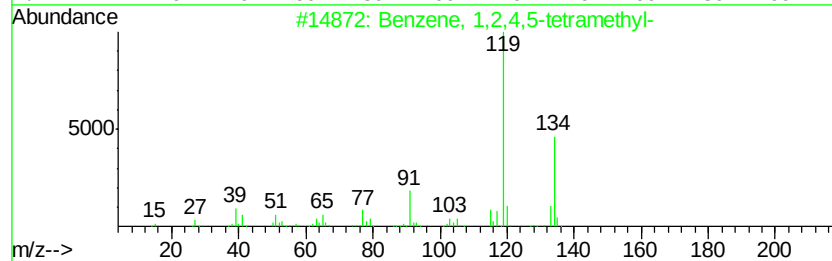
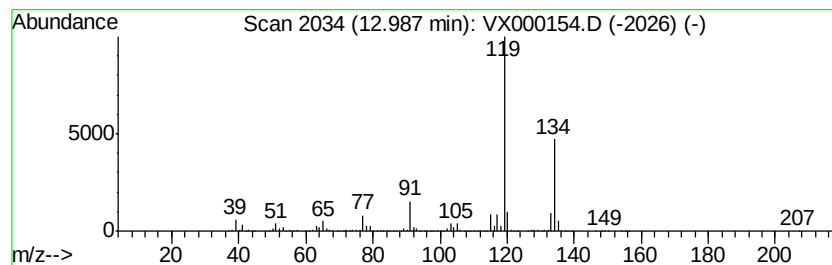
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	249.43 ug/l	3158600	1,4-Dichlorobenzene-d4	12.09

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



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampled :
RFK-RMAB-MW10-GW

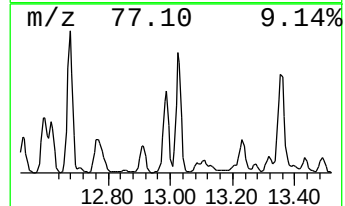
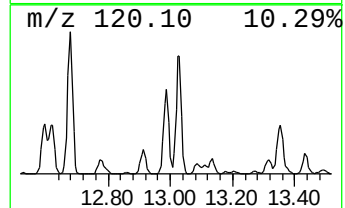
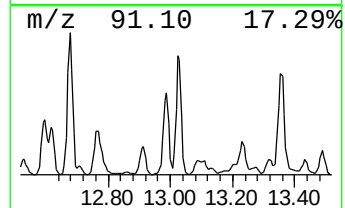
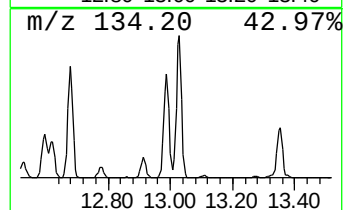
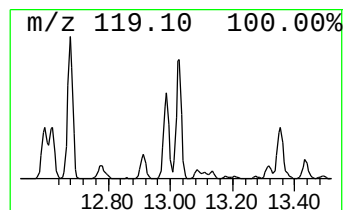
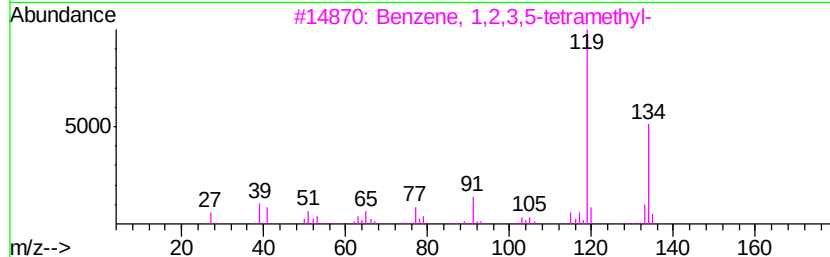
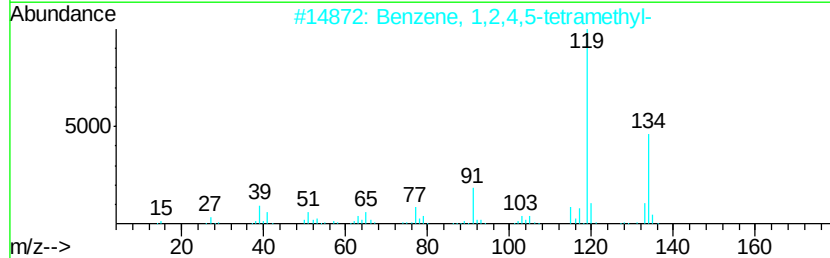
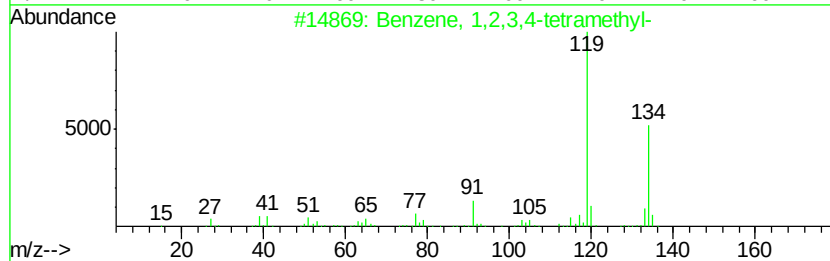
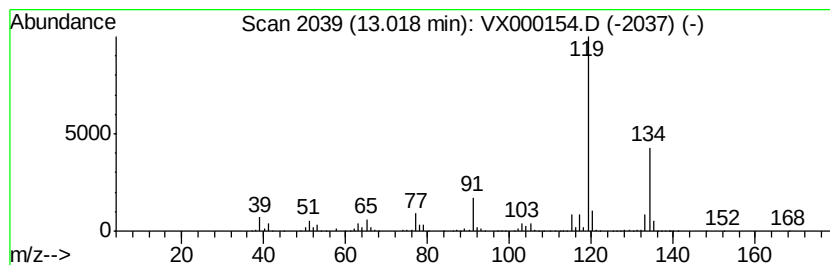
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	344.06 ug/l	4356870	1,4-Dichlorobenzene-d4	12.09

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		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleID :
RFK-RMAB-MW10-GW

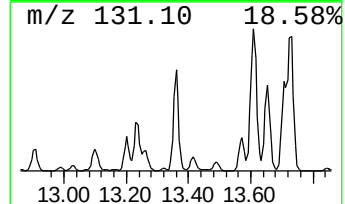
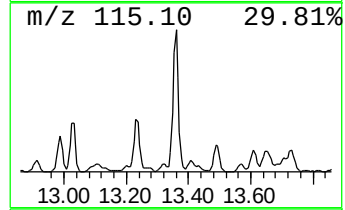
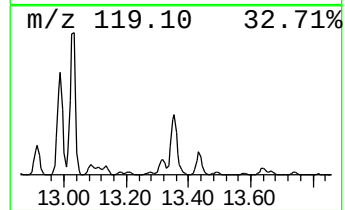
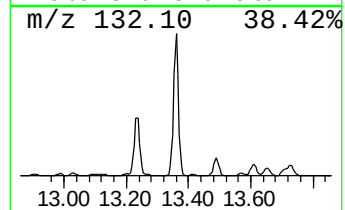
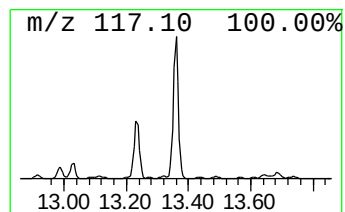
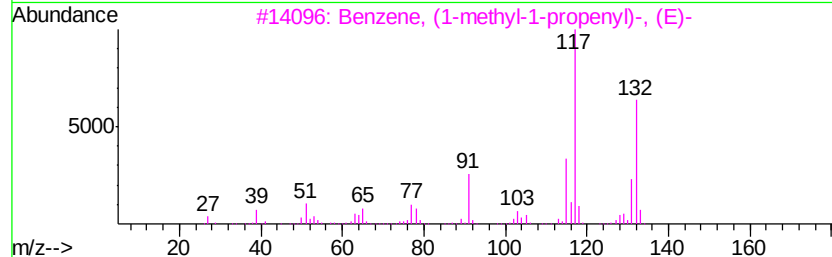
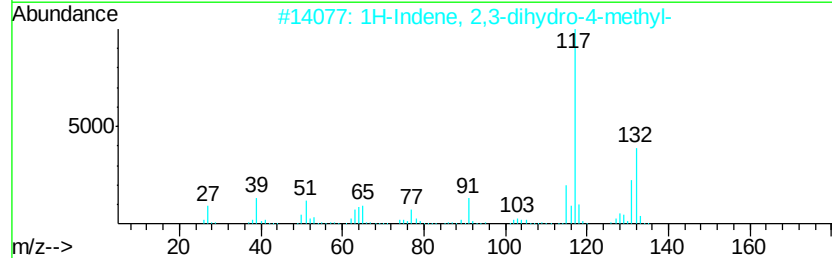
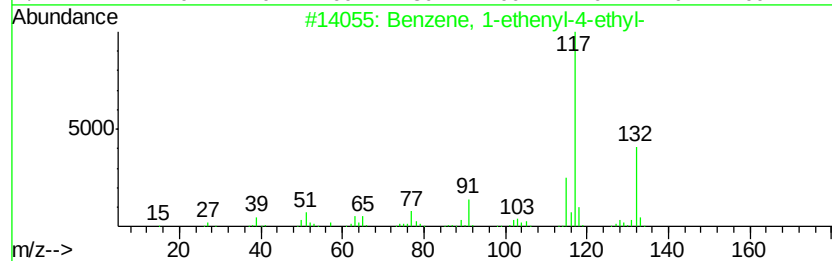
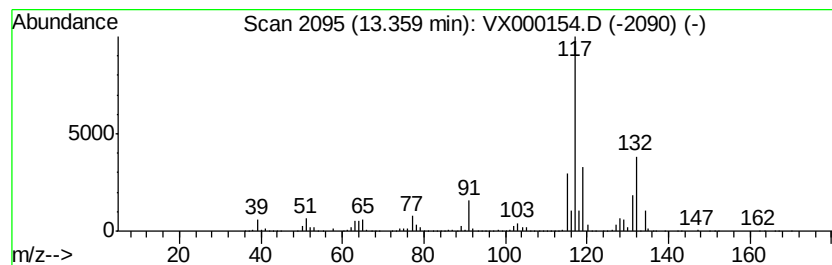
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	447.76 ug/l	5670060	1,4-Dichlorobenzene-d4	12.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80



Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
Data File : VX000154.D
Acq On : 27 Feb 2018 19:42
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.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
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Benzene, 1-ethyl-...	11.68	173.5	ug/l	2197520	4	12.09	633159	50.0
Benzene, 1,2,3-tr...	12.15	178.5	ug/l	2260150	4	12.09	633159	50.0
Benzene, 2-propenyl-	12.31	201.9	ug/l	2556280	4	12.09	633159	50.0
Benzene, 2-ethyl-...	12.60	164.7	ug/l	2085850	4	12.09	633159	50.0
Benzene, 1-ethyl-...	12.68	354.8	ug/l	4493180	4	12.09	633159	50.0
Benzene, (2-methy...	12.76	199.9	ug/l	2531200	4	12.09	633159	50.0
Benzene, 1,2,4,5-...	12.99	249.4	ug/l	3158600	4	12.09	633159	50.0
Benzene, 1,2,3,4-...	13.02	344.1	ug/l	4356870	4	12.09	633159	50.0
Benzene, 1-etheny...	13.36	447.8	ug/l	5670060	4	12.09	633159	50.0