

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008315.D
 Acq On : 16 Jan 2019 18:16
 Operator : SY/VA
 Sample : K1153-01
 Misc : 4.27G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200044-RBR200027

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_W\METHOD\82W010819S.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	4.117	356	363	369	rBV3	4023	10339	1.90%	0.201%
2	4.915	484	494	506	rBV3	8710	33242	6.12%	0.647%
3	5.934	650	661	670	rBV8	5587	17739	3.27%	0.345%
4	7.141	853	859	868	rVB3	3985	12261	2.26%	0.239%
5	7.884	971	981	986	rBV	71772	174598	32.15%	3.399%
6	7.945	986	991	1001	rVB	120463	264228	48.65%	5.144%
7	8.147	1019	1024	1032	rVB3	5219	11081	2.04%	0.216%
8	8.305	1041	1050	1063	rBV	66397	151703	27.93%	2.953%
9	8.506	1077	1083	1088	rVB10	2290	5874	1.08%	0.114%
10	8.561	1088	1092	1099	rVB9	2901	6039	1.11%	0.118%
11	8.689	1106	1113	1121	rBV4	7446	18366	3.38%	0.358%
12	8.842	1129	1138	1148	rBV	189601	373265	68.73%	7.266%
13	9.329	1207	1218	1225	rBV2	15796	40834	7.52%	0.795%
14	9.750	1280	1287	1293	rBV7	4062	9210	1.70%	0.179%
15	9.957	1315	1321	1325	rBV2	8322	14954	2.75%	0.291%
16	10.097	1335	1344	1352	rBV5	7503	20424	3.76%	0.398%
17	10.323	1373	1381	1387	rBV	308957	543112	100.00%	10.573%
18	10.390	1387	1392	1400	rVV	35239	70666	13.01%	1.376%
19	10.506	1404	1411	1417	rVB	18185	35009	6.45%	0.682%
20	10.670	1433	1438	1441	rBV6	4771	8428	1.55%	0.164%
21	10.762	1449	1453	1459	rVB6	3720	7441	1.37%	0.145%
22	10.847	1464	1467	1472	rVB5	3960	6845	1.26%	0.133%
23	11.176	1518	1521	1527	rBV4	5416	9601	1.77%	0.187%
24	11.231	1527	1530	1534	rVV6	5850	8395	1.55%	0.163%
25	11.274	1534	1537	1543	rVB7	4055	7633	1.41%	0.149%
26	11.414	1553	1560	1572	rVB5	12327	31150	5.74%	0.606%
27	11.512	1572	1576	1582	rBV2	13088	21213	3.91%	0.413%
28	11.634	1587	1596	1604	rBV	265186	455048	83.79%	8.858%
29	11.737	1608	1613	1616	rBV5	6987	11410	2.10%	0.222%
30	11.841	1623	1630	1640	rVB3	23115	53587	9.87%	1.043%
31	11.920	1640	1643	1648	rVB5	3238	5447	1.00%	0.106%
32	12.170	1673	1684	1691	rBV2	16301	42407	7.81%	0.826%
33	12.256	1693	1698	1702	rBV6	4256	6452	1.19%	0.126%
34	12.475	1729	1734	1738	rBV2	19157	32206	5.93%	0.627%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Sampling : 1
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 Peak Location: TOP

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35	12.621	1752	1758	1767	rVB	218948	358579	66.02%	6.980%
36	12.707	1768	1772	1777	rVB7	3146	6084	1.12%	0.118%
37	12.871	1792	1799	1802	rBV	26657	51604	9.50%	1.005%
38	12.902	1802	1804	1807	rVV	27373	40410	7.44%	0.787%
39	12.944	1807	1811	1816	rVB2	60296	108559	19.99%	2.113%
40	13.109	1831	1838	1845	rBV	29639	55194	10.16%	1.074%
41	13.170	1845	1848	1851	rBV2	4492	6676	1.23%	0.130%
42	13.255	1856	1862	1867	rVV	30770	46946	8.64%	0.914%
43	13.450	1890	1894	1898	rBV4	9579	16137	2.97%	0.314%
44	13.560	1906	1912	1921	rVB2	270894	492192	90.62%	9.582%
45	13.725	1934	1939	1940	rBV	18944	25331	4.66%	0.493%
46	13.755	1940	1944	1947	rVV2	53929	90548	16.67%	1.763%
47	13.798	1947	1951	1960	rVV2	77417	147077	27.08%	2.863%
48	13.877	1960	1964	1970	rVV3	27853	43247	7.96%	0.842%
49	13.956	1972	1977	1982	rVV	19651	30097	5.54%	0.586%
50	14.017	1982	1987	1989	rVV	24599	39998	7.36%	0.779%
51	14.042	1989	1991	1996	rVV	24932	38676	7.12%	0.753%
52	14.103	1996	2001	2006	rVB	62463	96053	17.69%	1.870%
53	14.164	2008	2011	2014	rBV2	6387	6905	1.27%	0.134%
54	14.213	2014	2019	2024	rVB2	28013	49968	9.20%	0.973%
55	14.267	2024	2028	2029	rBV3	5017	6228	1.15%	0.121%
56	14.347	2035	2041	2046	rBV3	17496	35537	6.54%	0.692%
57	14.426	2046	2054	2057	rVV	39646	82453	15.18%	1.605%
58	14.462	2057	2060	2064	rVV	53907	79245	14.59%	1.543%
59	14.505	2064	2067	2071	rVV	33638	50958	9.38%	0.992%
60	14.548	2071	2074	2080	rVV	23003	35378	6.51%	0.689%
61	14.609	2081	2084	2086	rVV3	4735	6382	1.18%	0.124%
62	14.645	2086	2090	2094	rVV	20101	28547	5.26%	0.556%
63	14.694	2094	2098	2101	rVV2	22924	43064	7.93%	0.838%
64	14.731	2101	2104	2110	rVB2	36396	61095	11.25%	1.189%
65	14.798	2110	2115	2122	rBV4	40575	111767	20.58%	2.176%
66	14.865	2122	2126	2132	rVB	19942	35849	6.60%	0.698%
67	15.036	2150	2154	2156	rVV4	6625	11075	2.04%	0.216%
68	15.072	2156	2160	2172	rVV3	23371	74072	13.64%	1.442%
69	15.182	2172	2178	2186	rVB6	19751	49935	9.19%	0.972%
70	15.334	2197	2203	2206	rBV8	8066	14710	2.71%	0.286%
71	15.371	2206	2209	2214	rVB2	10402	16149	2.97%	0.314%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	15.474	2221	2226	2231	rBV9	7499	13478	2.48%	0.262%
73	15.560	2237	2240	2250	rVB10	8142	17398	3.20%	0.339%
74	15.670	2250	2258	2263	rBV5	7543	16469	3.03%	0.321%
75	15.834	2277	2285	2288	rBV10	2882	8161	1.50%	0.159%
76	15.962	2302	2306	2313	rVB9	3080	5765	1.06%	0.112%
77	16.041	2313	2319	2322	rBV6	2875	5675	1.04%	0.110%
78	16.322	2358	2365	2368	rBV9	2719	6257	1.15%	0.122%
79	16.456	2379	2387	2395	rVB	12070	27588	5.08%	0.537%
80	16.651	2412	2419	2426	rBV2	9671	23166	4.27%	0.451%

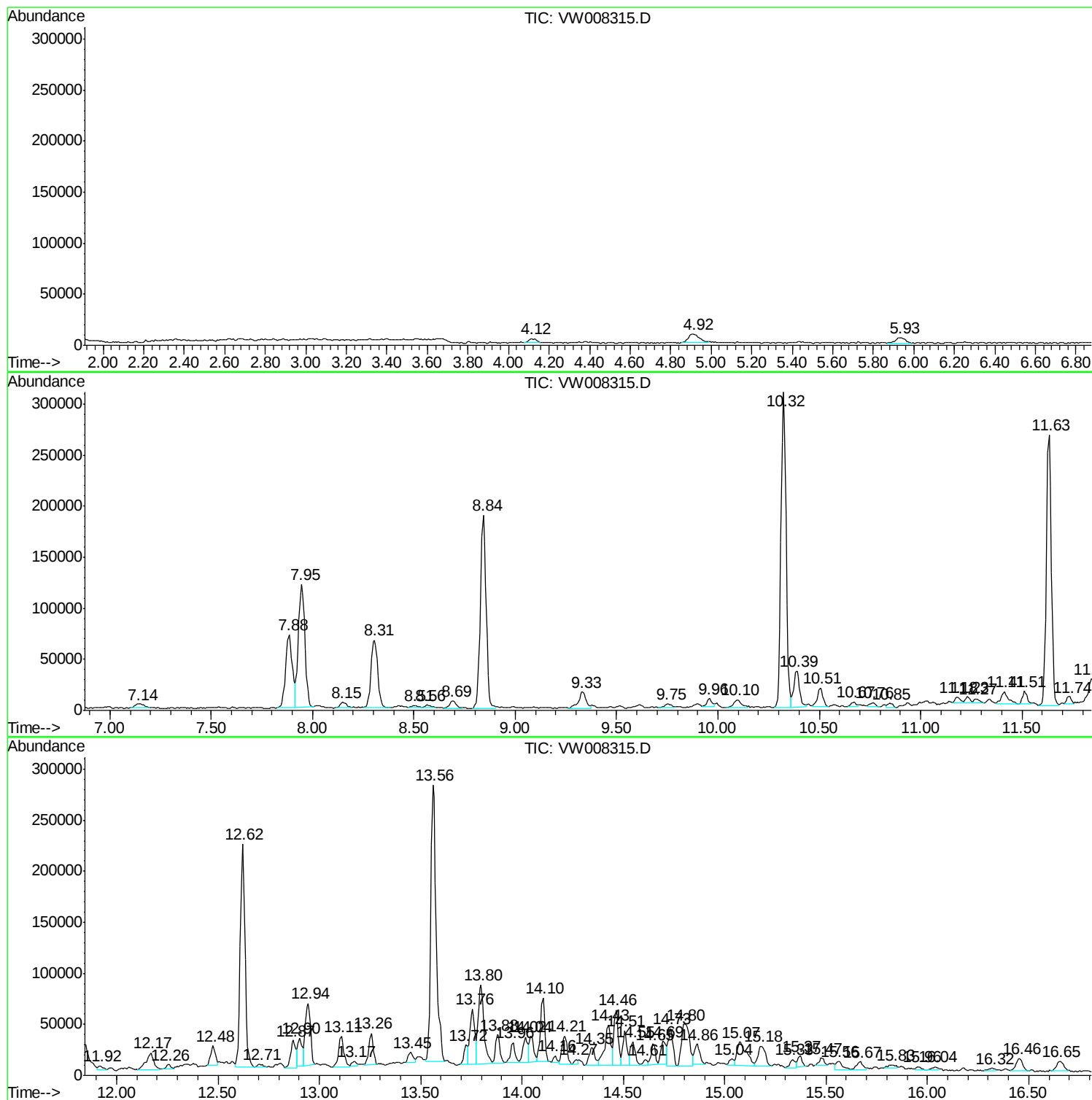
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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



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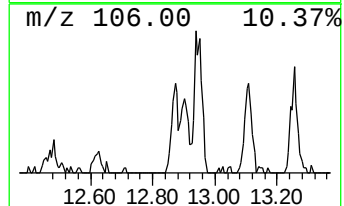
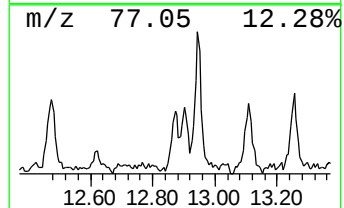
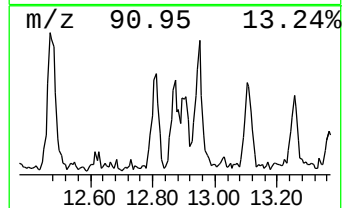
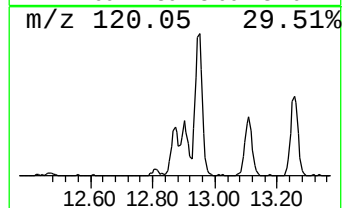
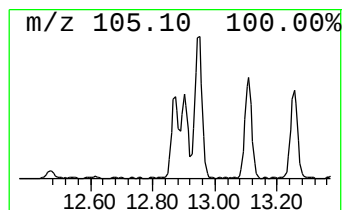
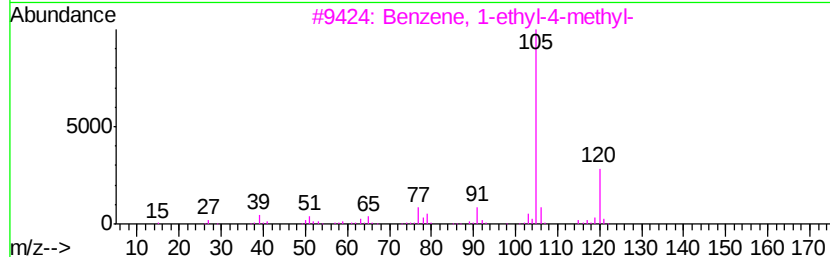
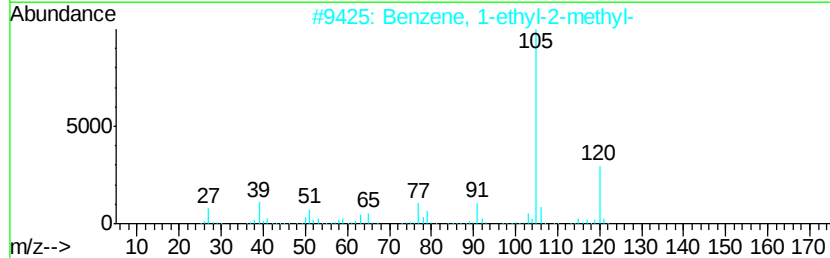
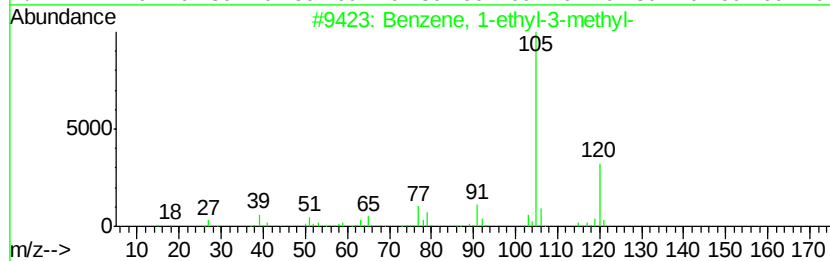
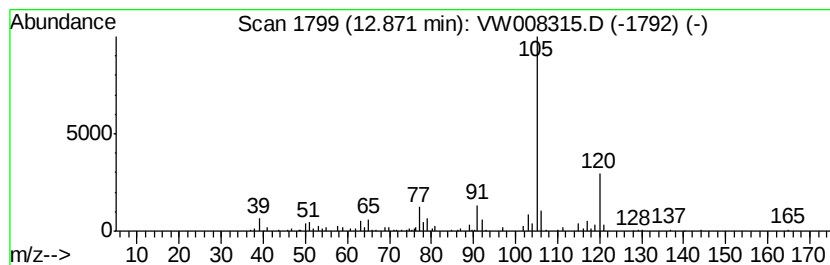
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	5.24 ug/l	51604	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5		Mesitylene	120	C9H12	000108-67-8	83



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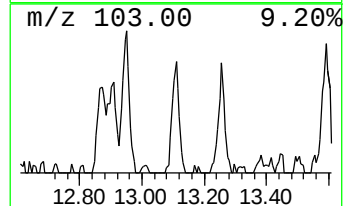
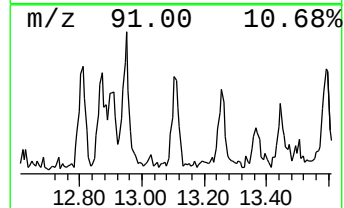
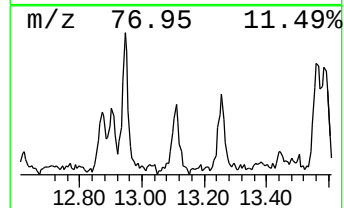
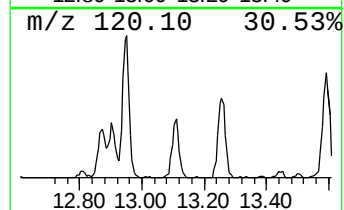
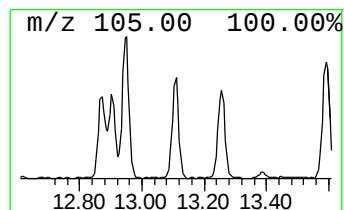
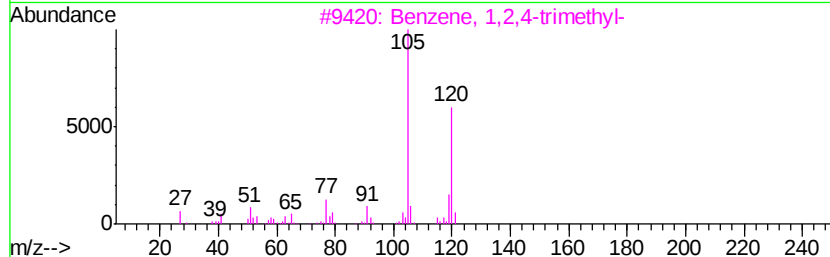
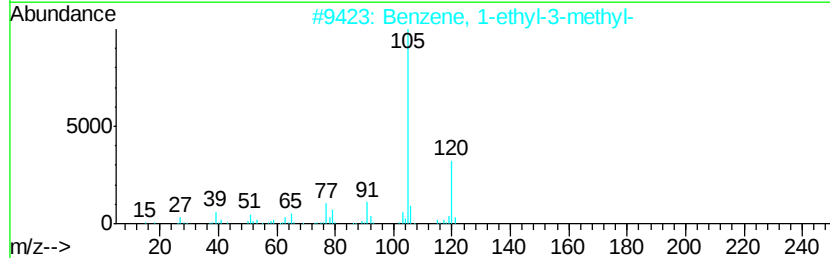
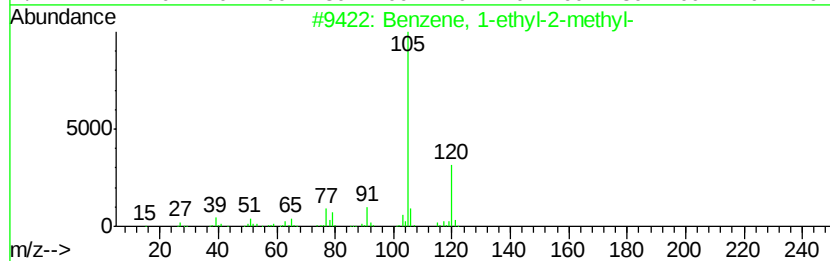
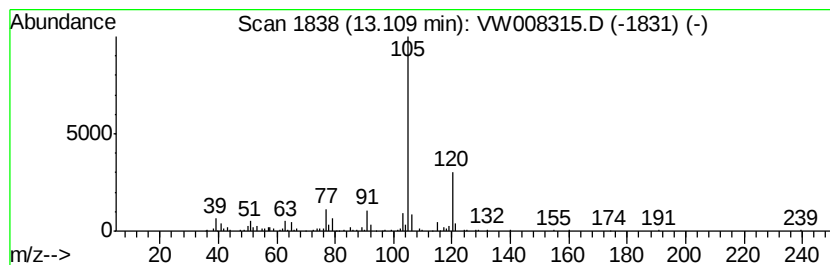
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.61 ug/l	55194	1,4-Dichlorobenzene-d4	13.56

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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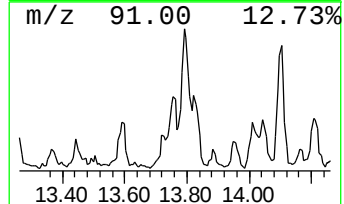
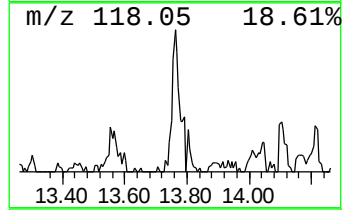
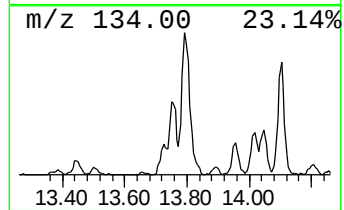
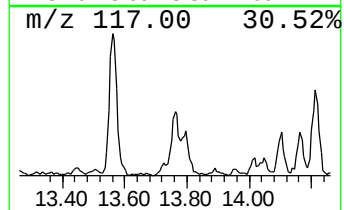
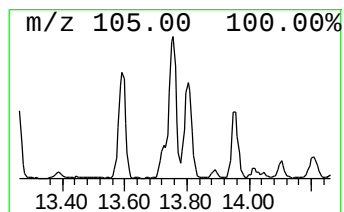
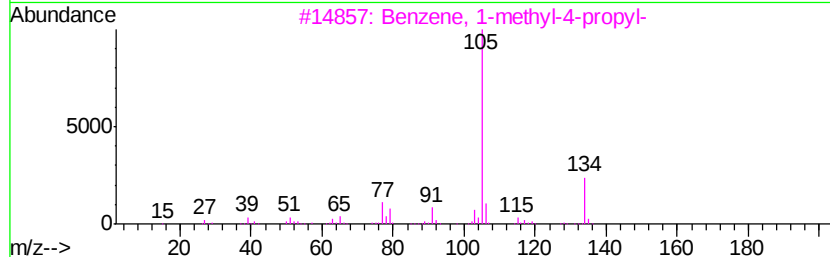
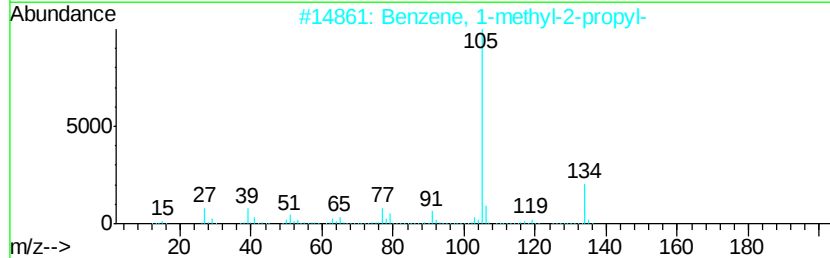
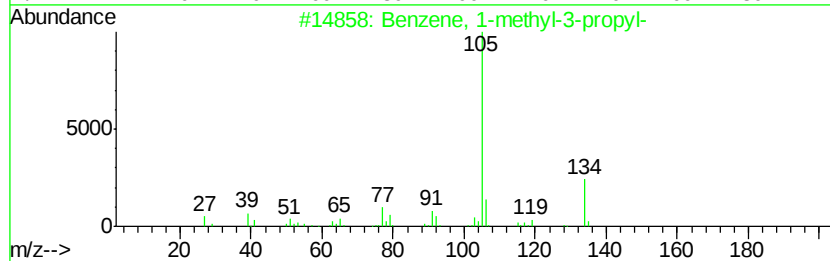
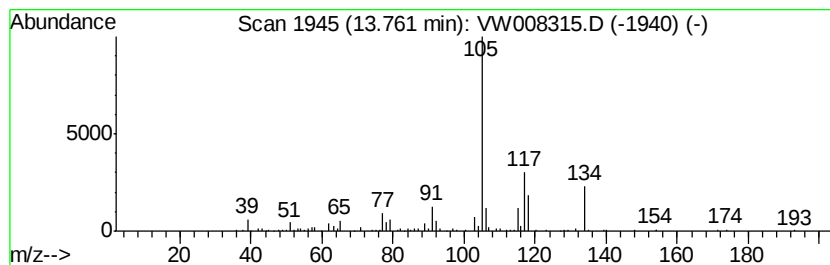
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-methyl-3-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.20 ug/l	90548	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	70
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	58
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47
5		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	47



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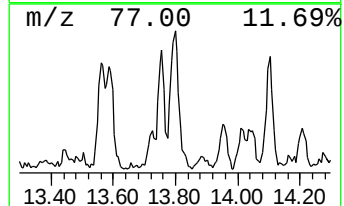
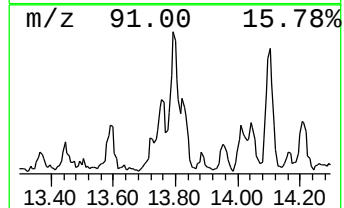
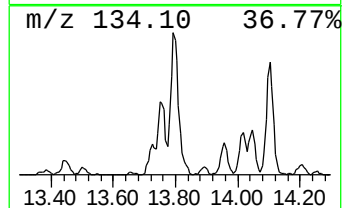
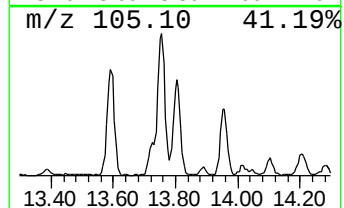
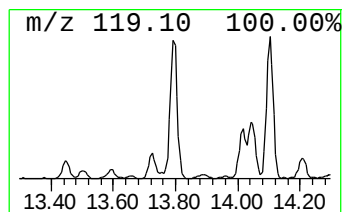
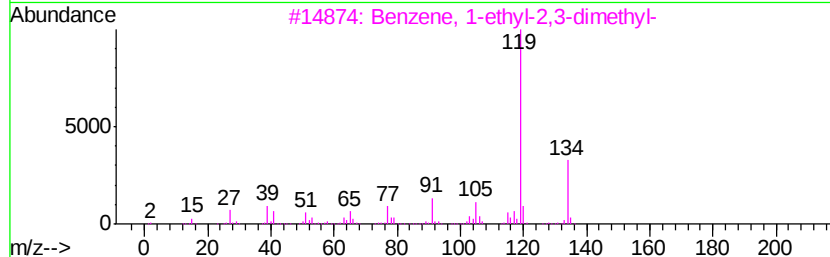
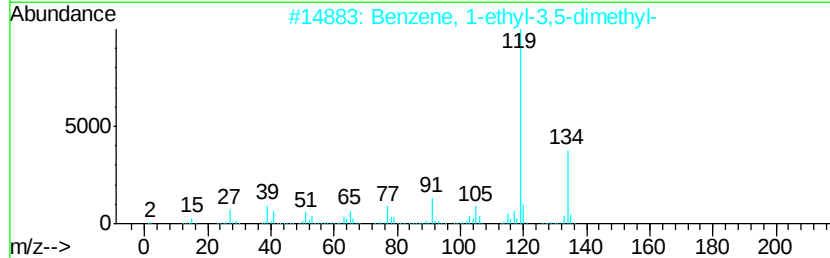
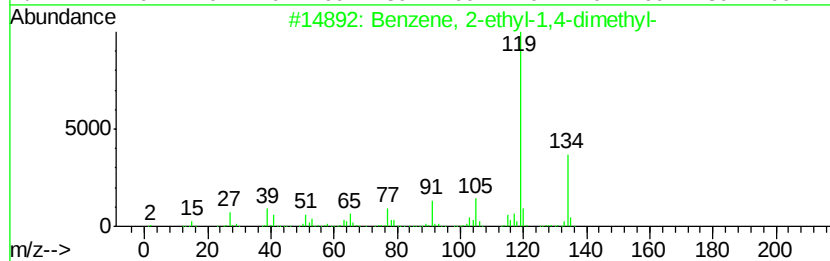
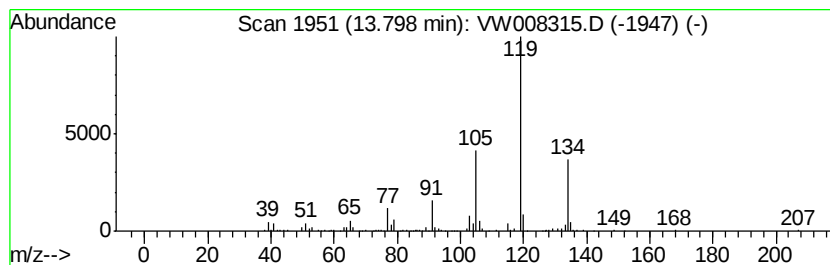
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	14.94 ug/l	147077	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200044-RBR200027

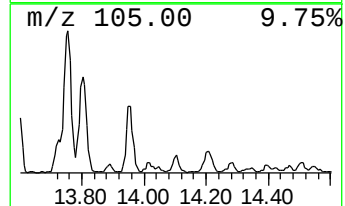
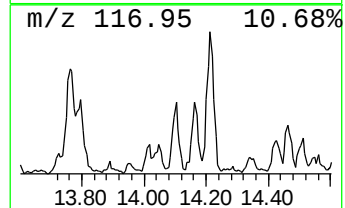
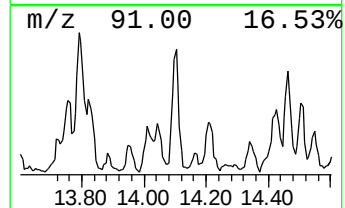
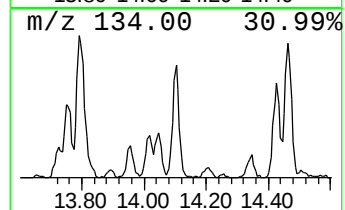
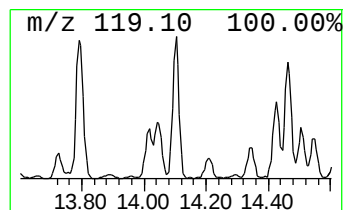
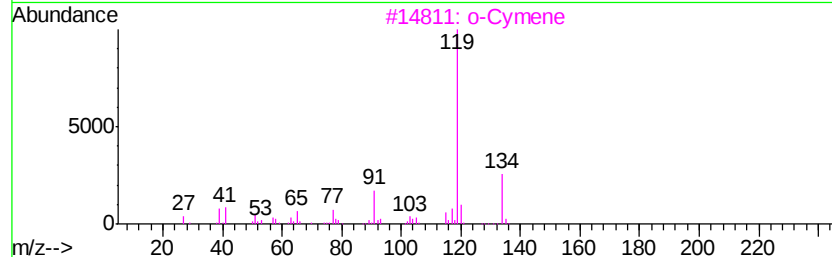
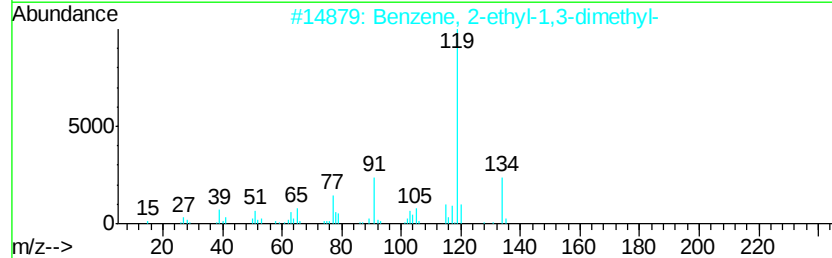
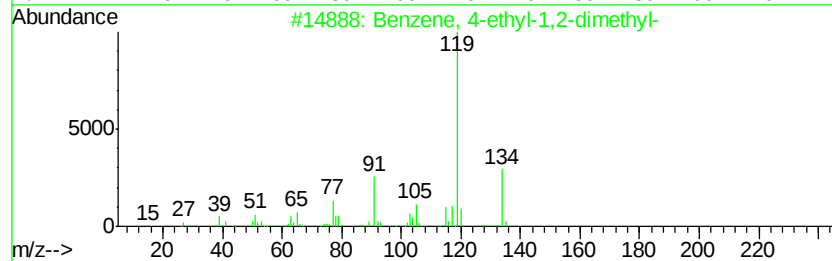
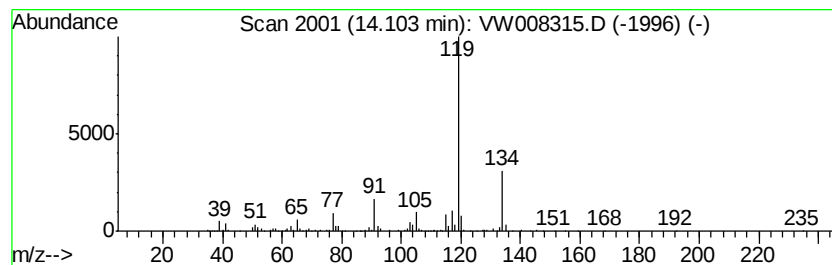
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	9.76 ug/l	96053	1,4-Dichlorobenzene-d4	13.56

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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200044-RBR200027

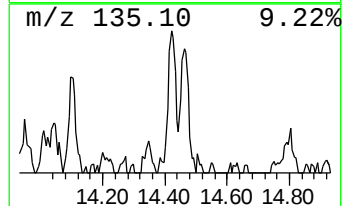
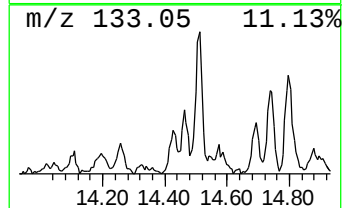
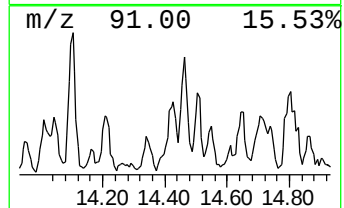
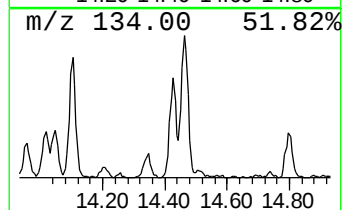
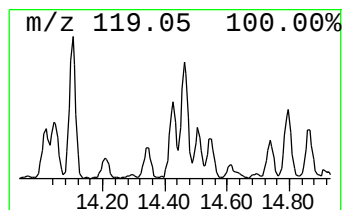
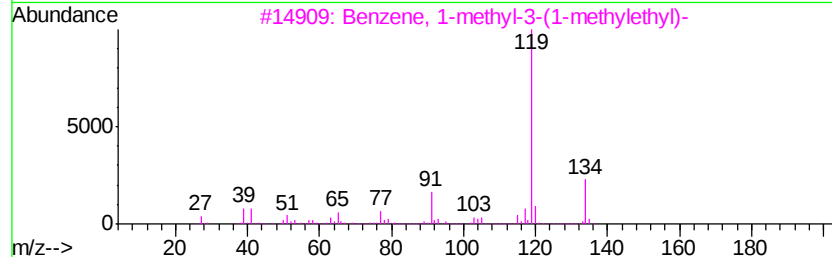
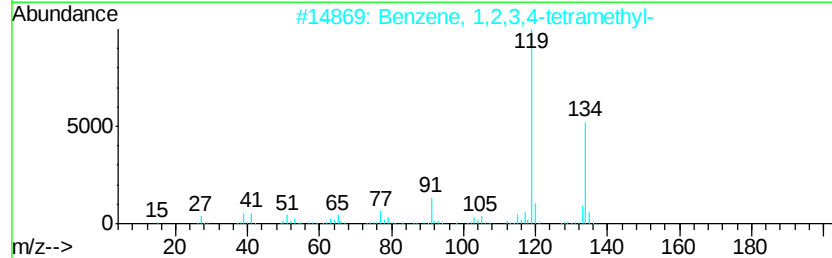
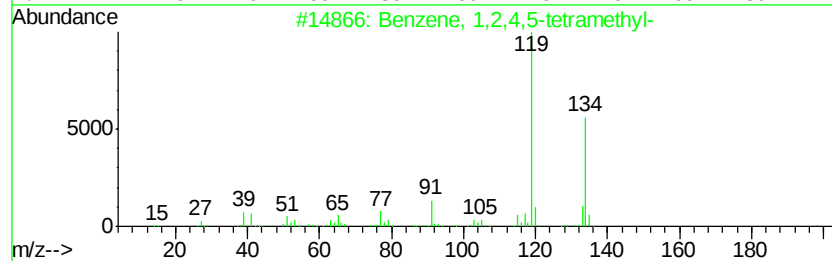
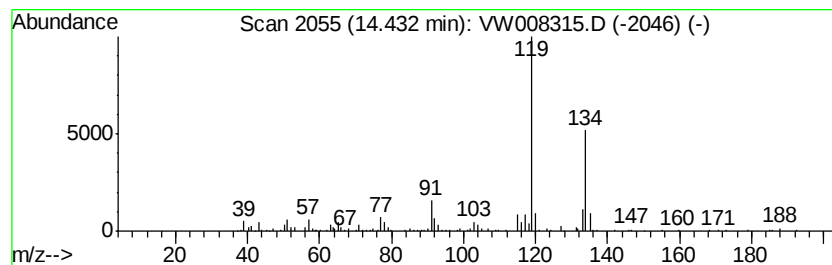
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	8.38 ug/l	82453	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200044-RBR200027

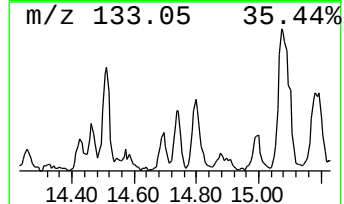
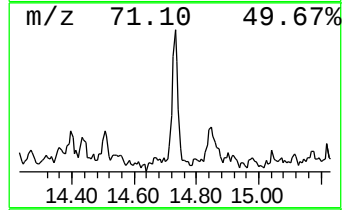
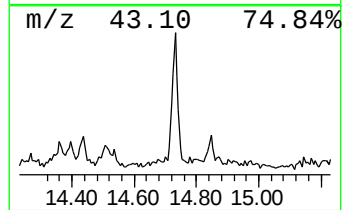
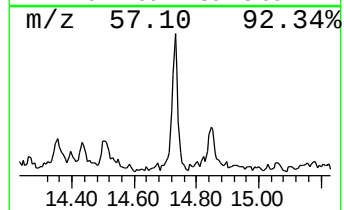
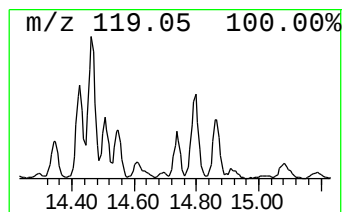
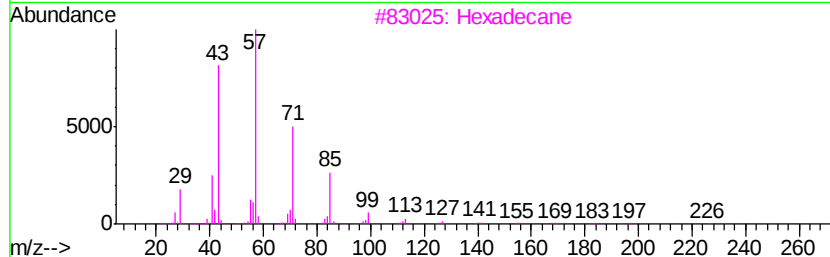
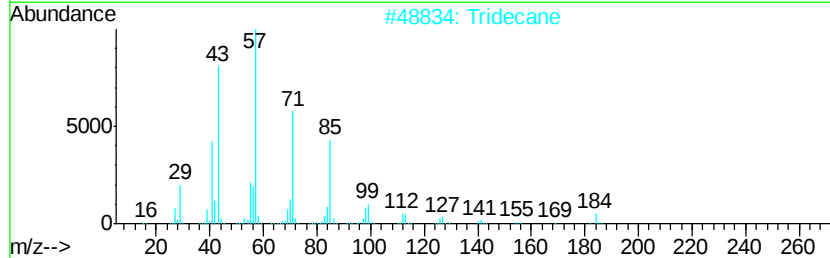
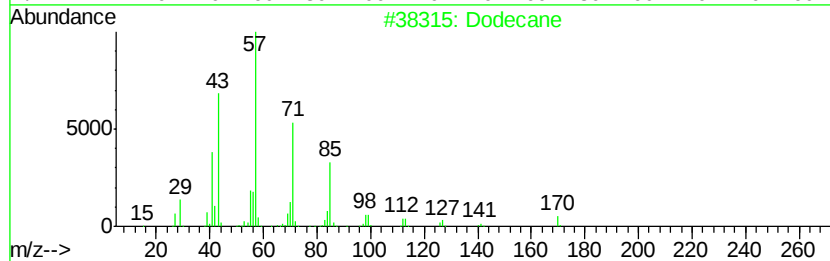
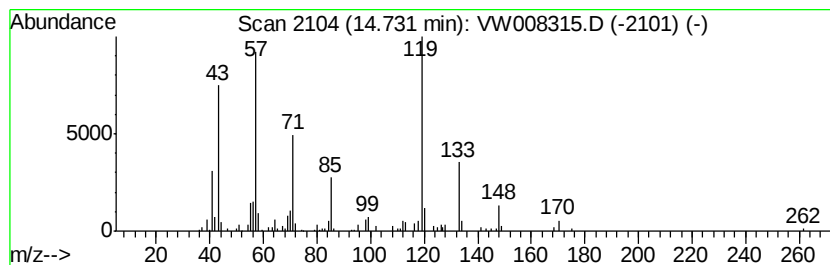
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Quant Title : SW846 8260

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

Peak Number 8 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	6.21 ug/l	61095	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	86
2		Tridecane	184	C13H28	000629-50-5	30
3		Hexadecane	226	C16H34	000544-76-3	25
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	25
5		Octadecane	254	C18H38	000593-45-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200044-RBR200027

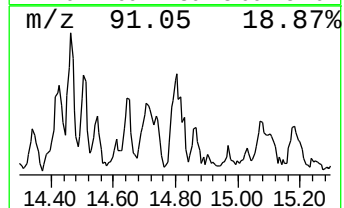
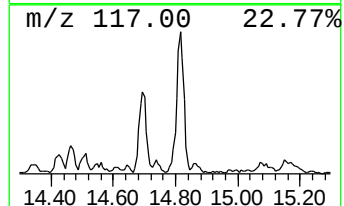
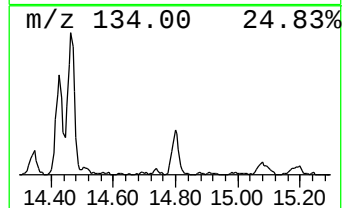
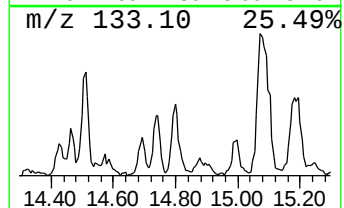
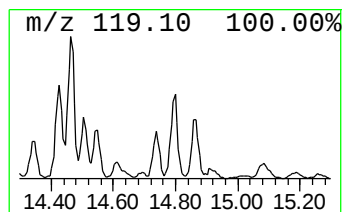
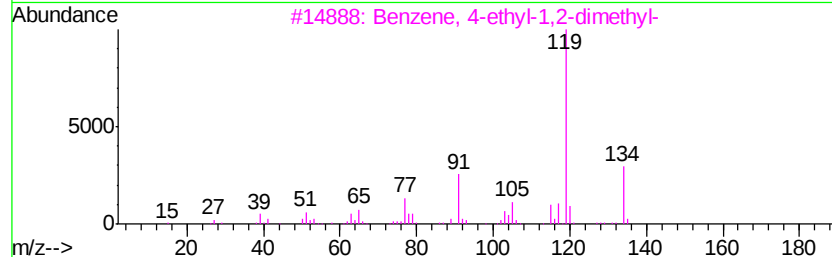
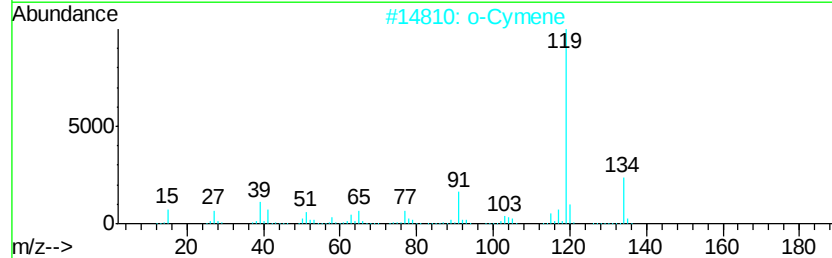
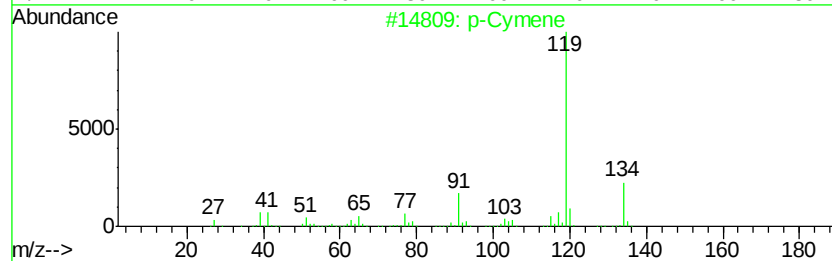
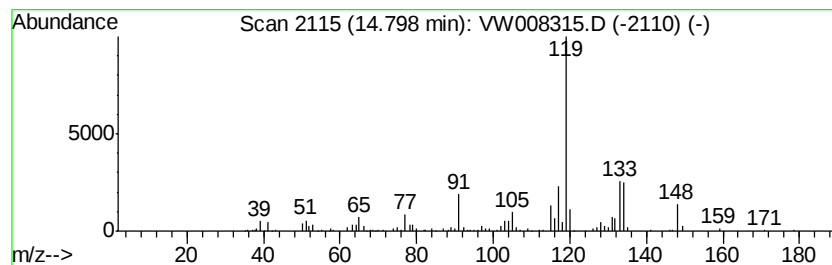
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 9 p-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	11.35 ug/l	111767	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	64
2		o-Cymene	134	C10H14	000527-84-4	64
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RBR200044-RBR200027

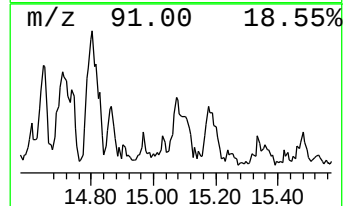
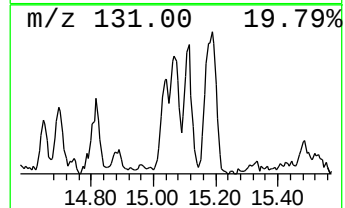
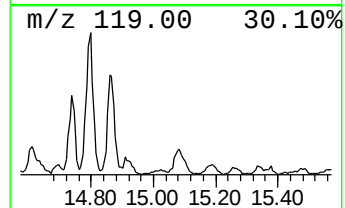
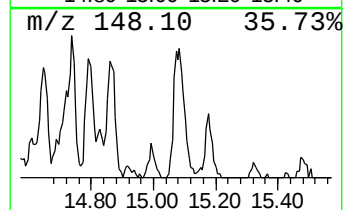
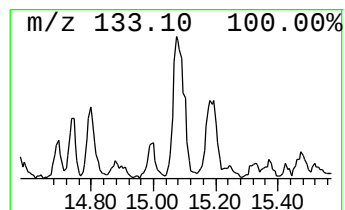
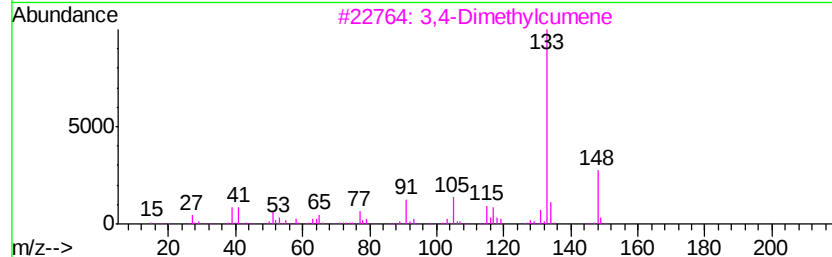
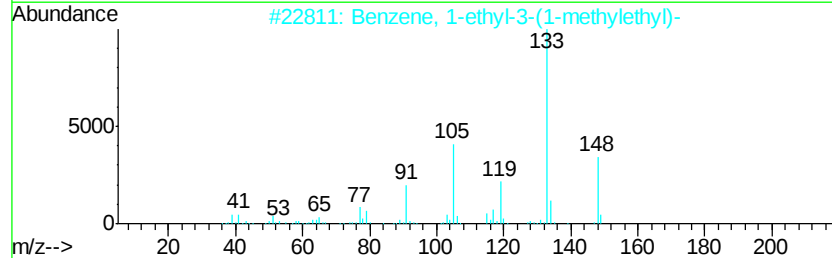
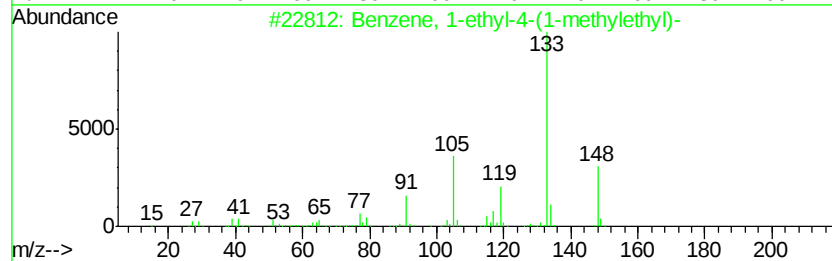
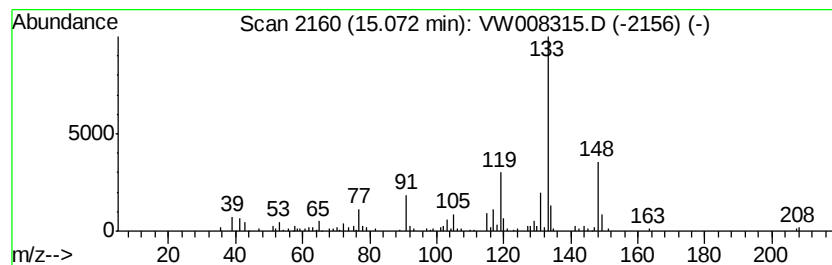
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	7.52 ug/l	74072	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
2		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	83
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
5		1,5,6,7-Tetramethylbicyclo[3.2.0]hept-2-ene	148	C11H16	134329-46-7	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011619\
Data File : VW008315.D
Acq On : 16 Jan 2019 18:16
Operator : SY/VA
Sample : K1153-01
Misc : 4.27G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200044-RBR200027

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.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-...	12.87	5.2	ug/l	51604	4	13.56	492192	50.0
Benzene, 1-ethyl-...	13.11	5.6	ug/l	55194	4	13.56	492192	50.0
Benzene, 1-methyl...	13.76	9.2	ug/l	90548	4	13.56	492192	50.0
Benzene, 2-ethyl-...	13.80	14.9	ug/l	147077	4	13.56	492192	50.0
Benzene, 4-ethyl-...	14.10	9.8	ug/l	96053	4	13.56	492192	50.0
Benzene, 1,2,4,5-...	14.43	8.4	ug/l	82453	4	13.56	492192	50.0
Dodecane	14.73	6.2	ug/l	61095	4	13.56	492192	50.0
p-Cymene	14.80	11.4	ug/l	111767	4	13.56	492192	50.0
Benzene, 1-ethyl-...	15.07	7.5	ug/l	74072	4	13.56	492192	50.0