

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011993.D
 Acq On : 19 Aug 2019 15:58
 Operator : SY/VA
 Sample : K4391-04
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-1

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\82W072719S.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	5.446	566	581	596	rBV	60774	211924	1.60%	0.103%
2	6.878	804	816	824	rVV2	54588	170208	1.28%	0.082%
3	6.988	824	834	847	rVB	110043	326533	2.46%	0.158%
4	7.951	973	992	999	rBV3	280748	956792	7.21%	0.464%
5	8.037	999	1006	1016	rVB	274547	673661	5.07%	0.326%
6	8.159	1016	1026	1032	rBV	329749	763803	5.75%	0.370%
7	8.220	1032	1036	1045	rVB2	155169	352383	2.65%	0.171%
8	8.433	1059	1071	1078	rBV2	437647	1102432	8.30%	0.534%
9	8.506	1078	1083	1088	rVV	347643	767821	5.78%	0.372%
10	8.573	1088	1094	1106	rVV	644714	1473210	11.10%	0.714%
11	8.695	1106	1114	1124	rVB	126904	247958	1.87%	0.120%
12	9.152	1180	1189	1198	rVB	206532	432478	3.26%	0.210%
13	9.335	1204	1219	1225	rBV	5691699	13274467	100.00%	6.432%
14	9.384	1225	1227	1236	rVV	873464	1407038	10.60%	0.682%
15	9.518	1243	1249	1254	rVV	301817	601928	4.53%	0.292%
16	9.610	1254	1264	1272	rVB2	982633	2471759	18.62%	1.198%
17	9.750	1279	1287	1298	rVB2	1107539	2180170	16.42%	1.056%
18	9.902	1305	1312	1316	rBV	836389	1530016	11.53%	0.741%
19	9.957	1316	1321	1325	rBV2	1023737	1860525	14.02%	0.902%
20	10.091	1333	1343	1347	rBV3	1412531	3663145	27.60%	1.775%
21	10.128	1347	1349	1357	rVB	998474	1462508	11.02%	0.709%
22	10.213	1357	1363	1365	rBV	265976	468093	3.53%	0.227%
23	10.244	1365	1368	1374	rVB2	363439	652396	4.91%	0.316%
24	10.323	1374	1381	1385	rBV	5509203	10718699	80.75%	5.194%
25	10.360	1385	1387	1394	rVB	2326774	3282784	24.73%	1.591%
26	10.445	1394	1401	1404	rBV2	383881	724049	5.45%	0.351%
27	10.500	1404	1410	1419	rVB3	1652963	4297888	32.38%	2.083%
28	10.622	1419	1430	1433	rBV2	709497	1552031	11.69%	0.752%
29	10.664	1433	1437	1445	rVB	3026180	5380947	40.54%	2.607%
30	10.762	1445	1453	1457	rBV2	1978292	4178085	31.47%	2.025%
31	10.799	1457	1459	1463	rVV2	717950	1043252	7.86%	0.506%
32	10.847	1463	1467	1472	rVB	1715538	2724312	20.52%	1.320%
33	10.939	1472	1482	1488	rBV	3798997	6727302	50.68%	3.260%
34	11.036	1488	1498	1506	rBV	3310268	7219268	54.38%	3.498%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	11.109	1506	1510	1514	rVV	1313224	2284993	17.21%	1.107%
36	11.177	1514	1521	1526	rVV	3404333	6920904	52.14%	3.354%
37	11.231	1526	1530	1535	rVV	4469810	7575151	57.07%	3.671%
38	11.286	1535	1539	1543	rVV	851038	1226572	9.24%	0.594%
39	11.341	1543	1548	1551	rVV2	2428767	4053728	30.54%	1.964%
40	11.408	1551	1559	1561	rVV5	2492114	6900120	51.98%	3.343%
41	11.433	1561	1563	1571	rVB	2939677	4746412	35.76%	2.300%
42	11.512	1571	1576	1581	rBV	3000750	4890991	36.85%	2.370%
43	11.609	1588	1592	1598	rBV3	130904	272606	2.05%	0.132%
44	11.664	1598	1601	1604	rBV2	155331	233205	1.76%	0.113%
45	11.768	1613	1618	1621	rBV	978769	1458713	10.99%	0.707%
46	11.817	1621	1626	1630	rVV4	973215	1815526	13.68%	0.880%
47	11.878	1630	1636	1640	rVV	3519526	6427295	48.42%	3.114%
48	11.914	1640	1642	1648	rVB	1842732	2767565	20.85%	1.341%
49	11.975	1648	1652	1653	rBV	405069	526055	3.96%	0.255%
50	12.006	1653	1657	1660	rBV	354453	477503	3.60%	0.231%
51	12.060	1660	1666	1671	rVB3	1921648	3849302	29.00%	1.865%
52	12.140	1671	1679	1685	rBV3	4735732	10342857	77.92%	5.012%
53	12.189	1685	1687	1690	rVV2	685387	833108	6.28%	0.404%
54	12.256	1690	1698	1702	rVB	3811452	7325099	55.18%	3.549%
55	12.335	1702	1711	1713	rBV6	2269144	5887880	44.35%	2.853%
56	12.365	1713	1716	1723	rVB2	2154990	4764281	35.89%	2.309%
57	12.506	1732	1739	1742	rBV4	1868328	4549028	34.27%	2.204%
58	12.542	1743	1745	1748	rVB	1286456	1402510	10.57%	0.680%
59	12.621	1753	1758	1760	rBV4	834191	1276271	9.61%	0.618%
60	12.652	1760	1763	1767	rVB	1507297	1916401	14.44%	0.929%
61	12.701	1767	1771	1775	rBV4	554771	826243	6.22%	0.400%
62	12.749	1776	1779	1780	rBV2	208513	233528	1.76%	0.113%
63	12.780	1780	1784	1790	rVB2	1472304	2792292	21.04%	1.353%
64	12.859	1790	1797	1802	rBV4	821005	1901233	14.32%	0.921%
65	12.944	1803	1811	1815	rBV2	1613198	3459696	26.06%	1.676%
66	12.993	1815	1819	1824	rVB3	919108	1539276	11.60%	0.746%
67	13.079	1829	1833	1837	rBV2	910003	1256991	9.47%	0.609%
68	13.127	1837	1841	1844	rBV2	899649	1506221	11.35%	0.730%
69	13.164	1844	1847	1853	rVB	1791317	2564587	19.32%	1.243%
70	13.225	1854	1857	1861	rVB2	451183	689101	5.19%	0.334%
71	13.292	1864	1868	1873	rBV	731906	1108633	8.35%	0.537%

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Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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72	13.341	1873	1876	1880	rVB	344935	478825	3.61%	0.232%
73	13.444	1885	1893	1897	rBV3	769957	1726808	13.01%	0.837%
74	13.487	1897	1900	1903	rVV	915279	1249988	9.42%	0.606%
75	13.518	1903	1905	1908	rVV	461848	620285	4.67%	0.301%
76	13.554	1908	1911	1914	rVB2	446344	573074	4.32%	0.278%
77	13.627	1919	1923	1929	rVB	542784	784171	5.91%	0.380%
78	13.694	1931	1934	1938	rVB4	178549	263015	1.98%	0.127%
79	13.877	1959	1964	1968	rBV	617657	1062359	8.00%	0.515%
80	13.920	1968	1971	1975	rVB2	223504	304860	2.30%	0.148%
81	13.981	1977	1981	1985	rBV4	187802	302549	2.28%	0.147%
82	14.024	1985	1988	1992	rBV3	100231	173061	1.30%	0.084%
83	14.261	2024	2027	2033	rVB3	128652	189291	1.43%	0.092%
84	14.389	2044	2048	2052	rVB2	292392	455987	3.44%	0.221%
85	14.548	2070	2074	2079	rVB3	160785	264194	1.99%	0.128%
86	14.840	2119	2122	2130	rVB3	136936	253033	1.91%	0.123%
87	16.316	2356	2364	2376	rVB3	48122	171672	1.29%	0.083%

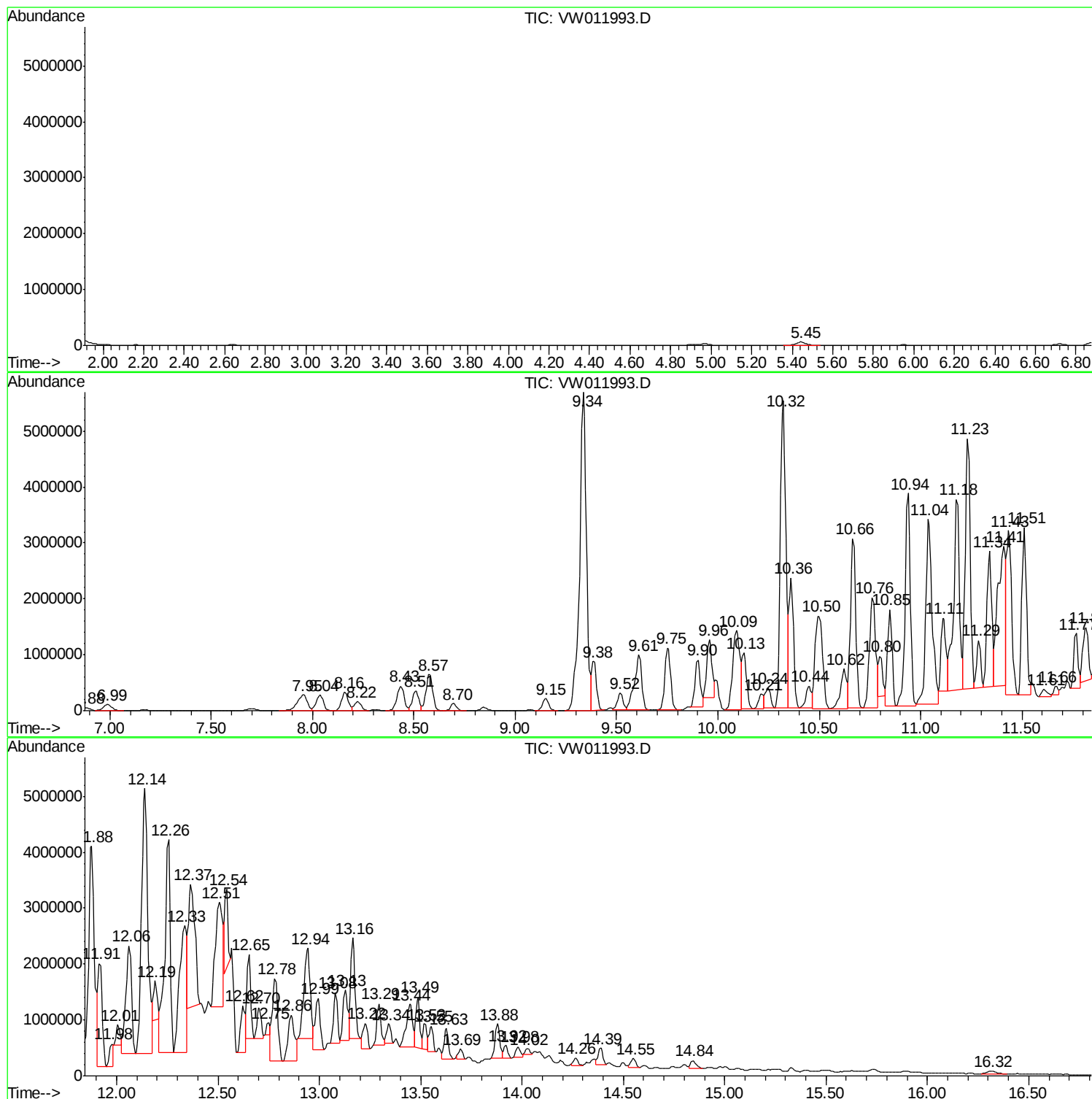
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ClientSampleId :
BOTTOM-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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



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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BOTTOM-1

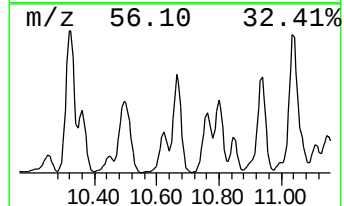
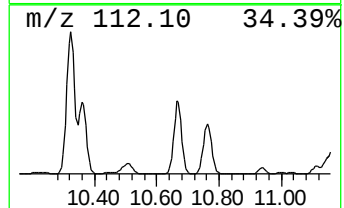
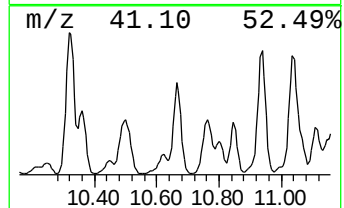
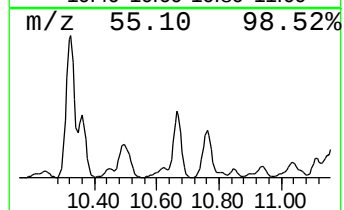
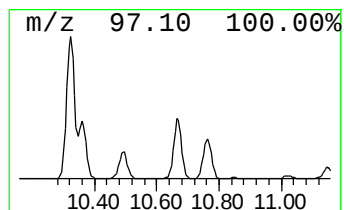
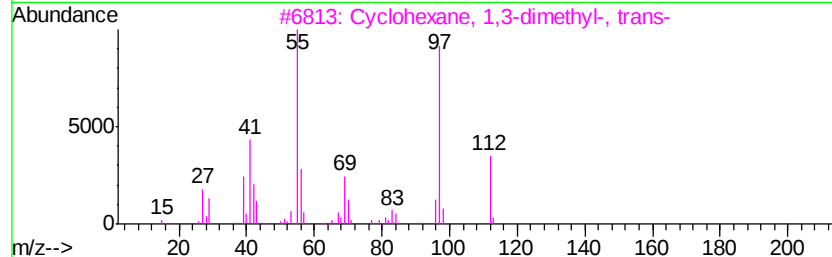
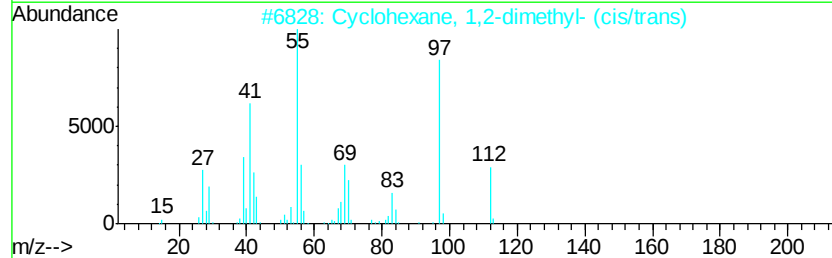
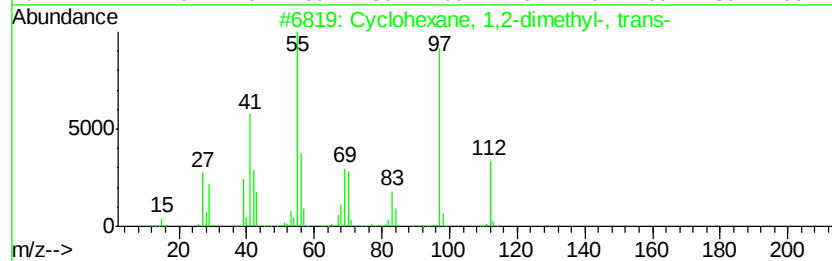
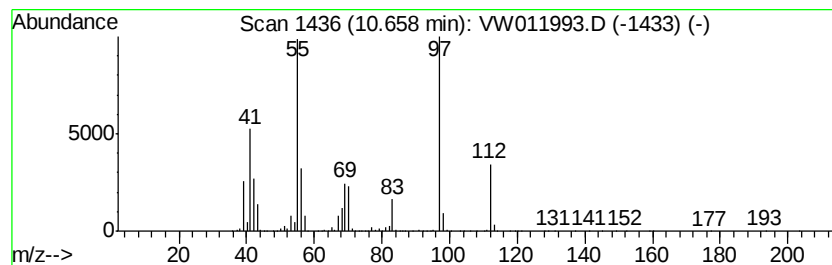
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	986.95 ug/l	5380950	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	83



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Misc : 5.05G/5ML/MSVOA W/SOIL
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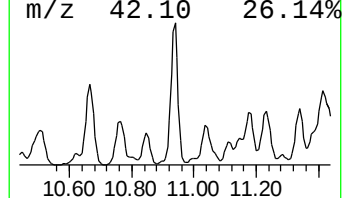
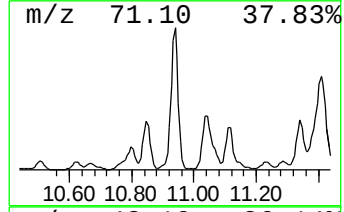
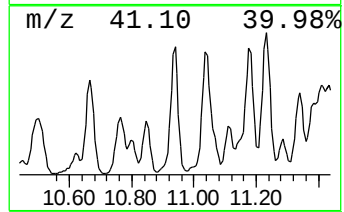
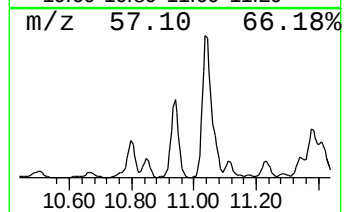
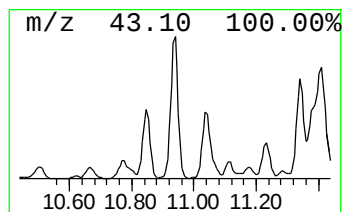
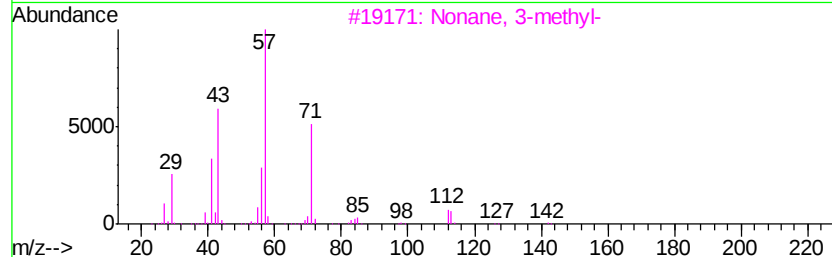
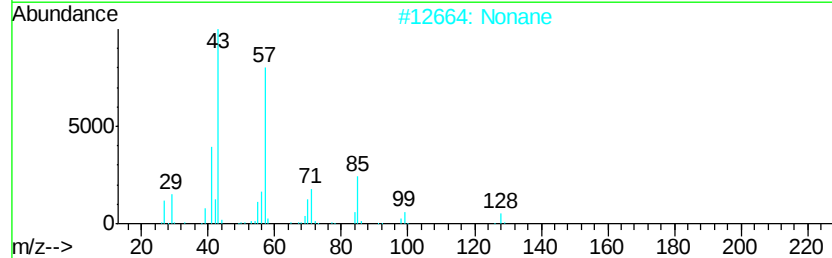
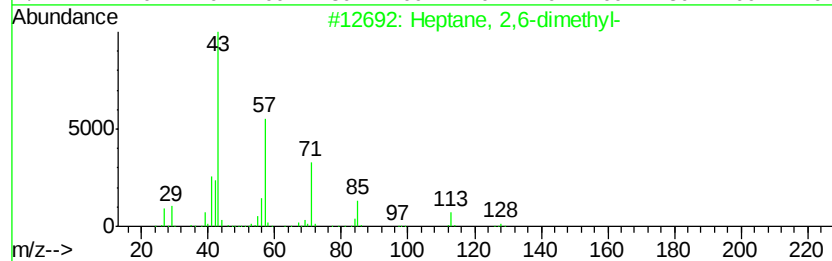
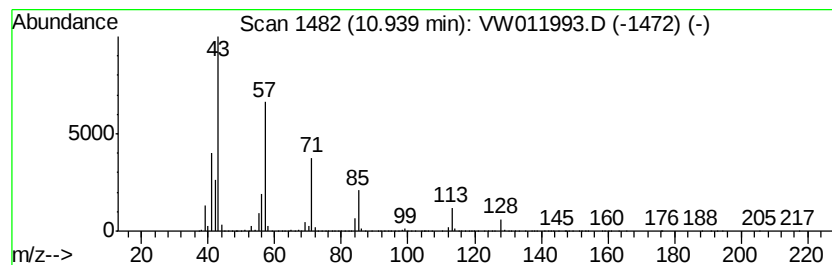
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	1233.89 ug/l	6727300	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83	
2	Nonane	128	C9H20	000111-84-2	64	
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	50	
4	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	50	
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	50	



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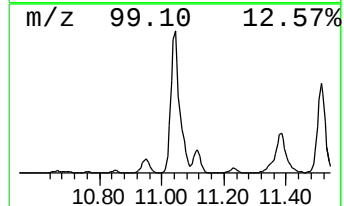
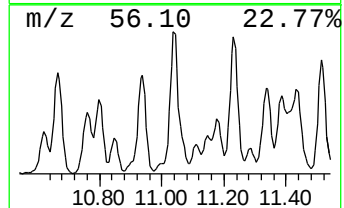
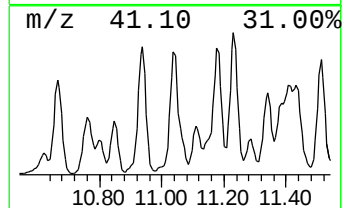
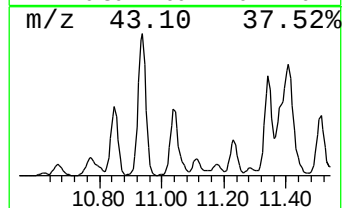
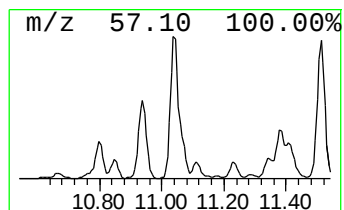
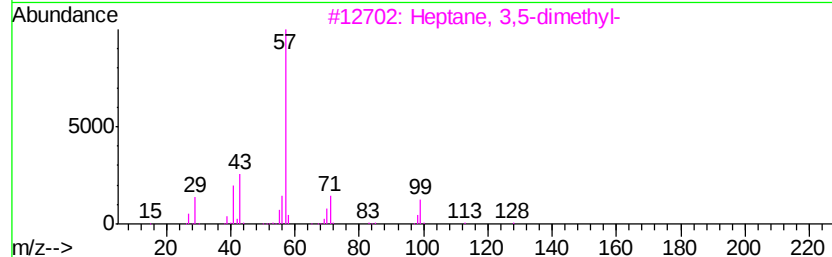
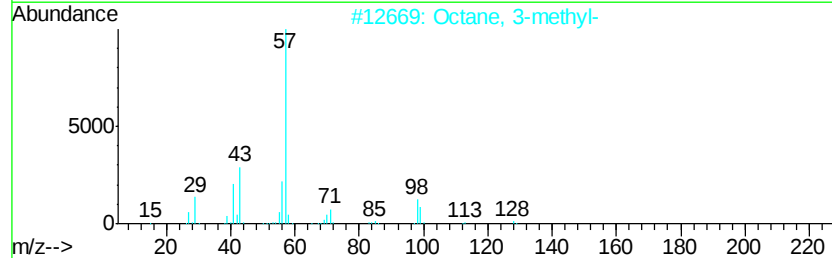
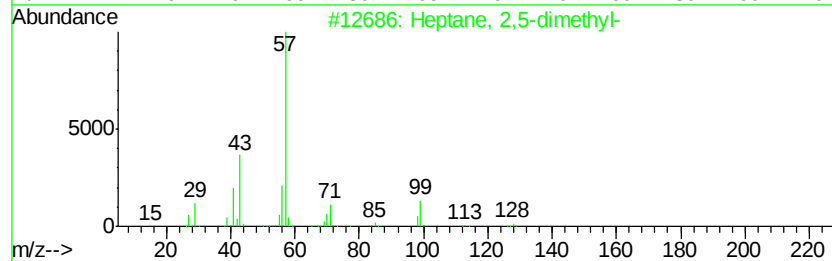
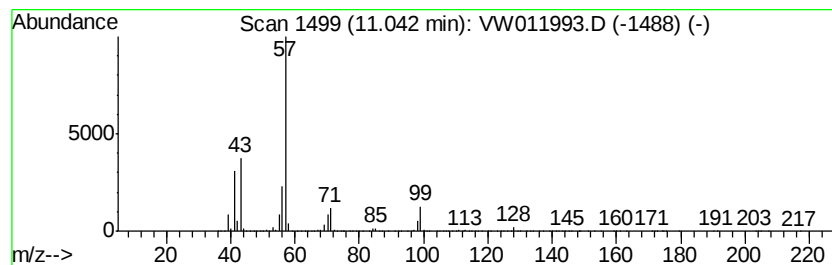
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	1324.12 ug/l	7219270	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
4		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	53
5		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	50



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ClientSampleId :
BOTTOM-1

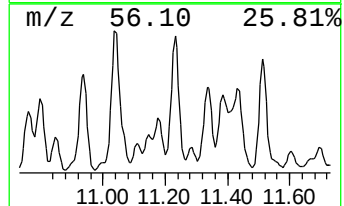
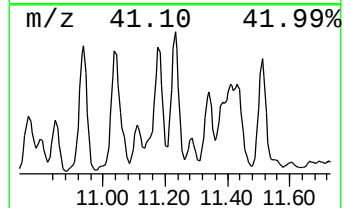
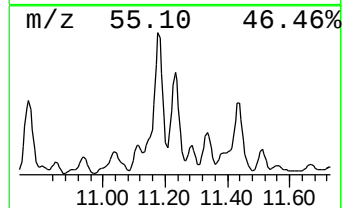
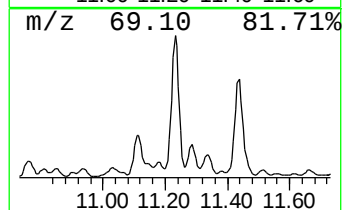
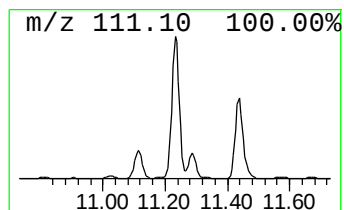
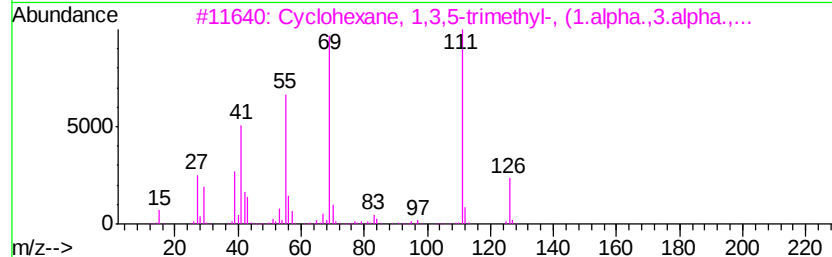
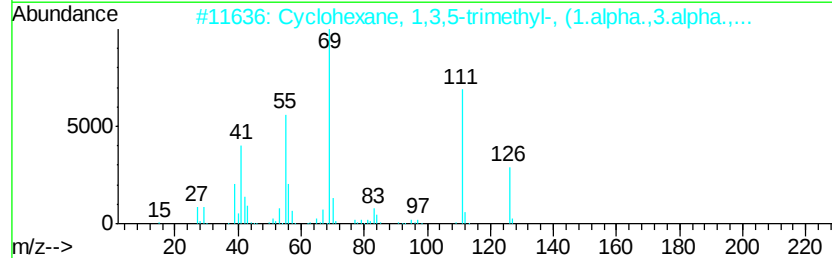
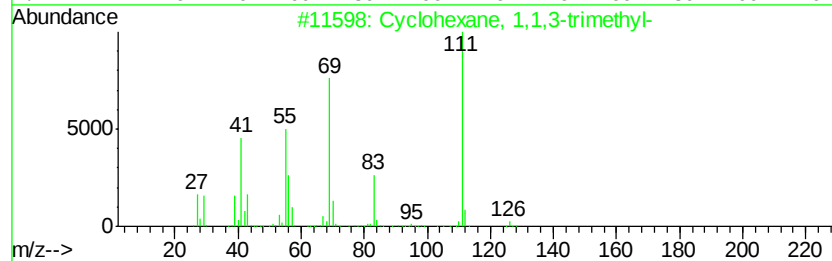
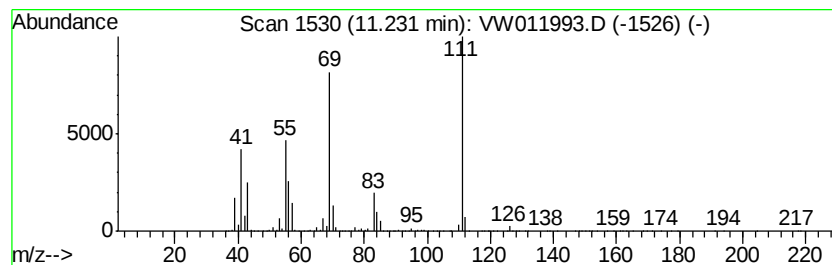
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	1389.40 ug/l	7575150	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5		3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

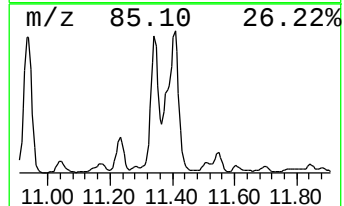
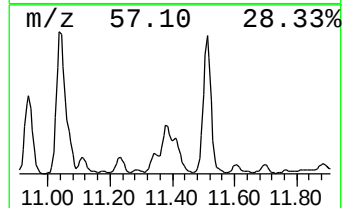
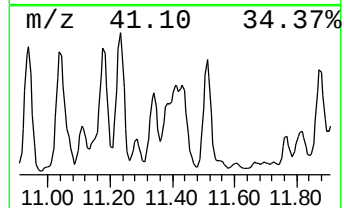
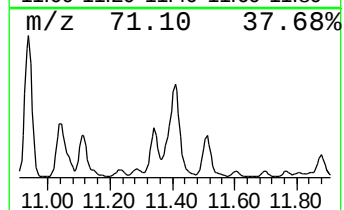
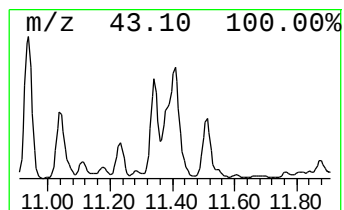
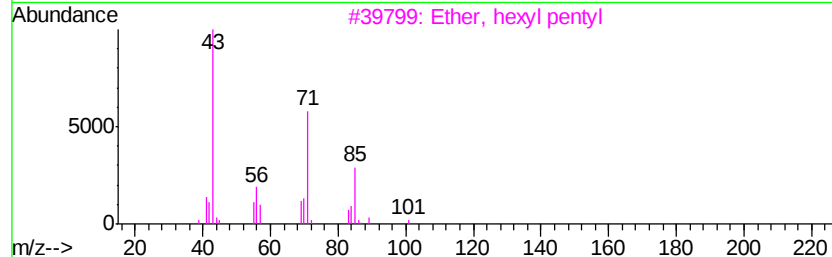
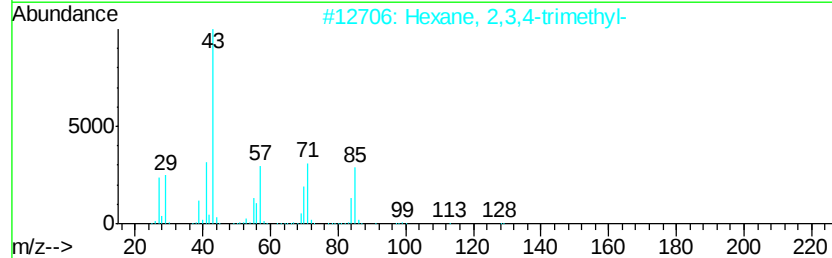
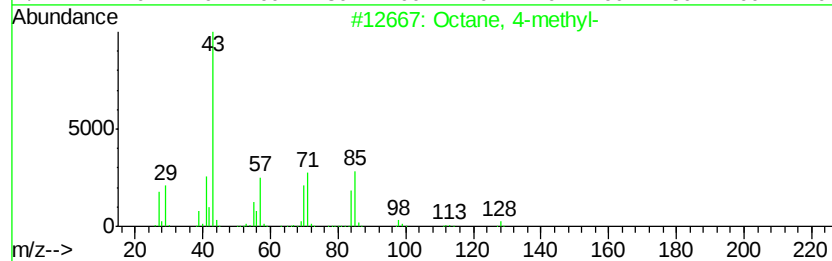
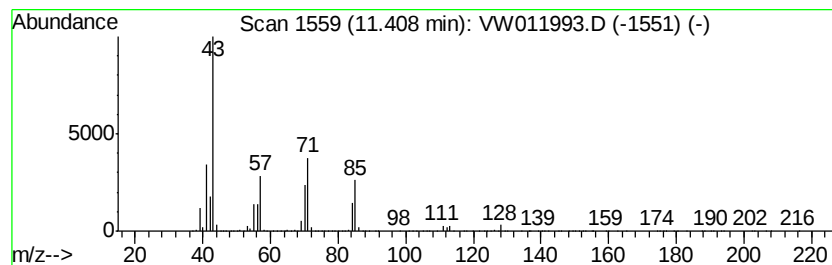
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Quant Title : SW846 8260

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

Peak Number 6 Octane, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	1265.58 ug/l	6900120	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-methyl-	128	C9H20	002216-34-4	80
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3		Ether, hexyl pentyl	172	C11H24O	032357-83-8	64
4		Decane	142	C10H22	000124-18-5	59
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

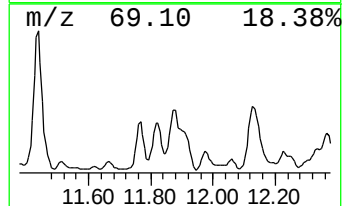
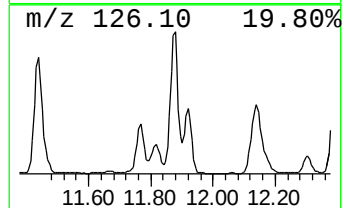
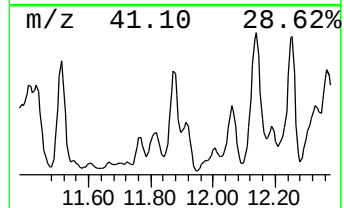
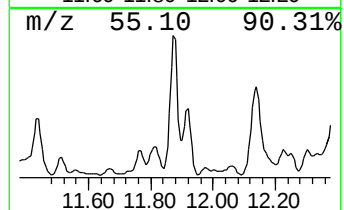
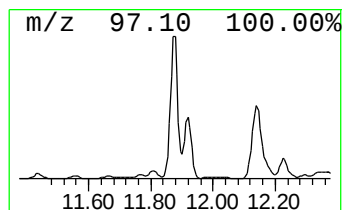
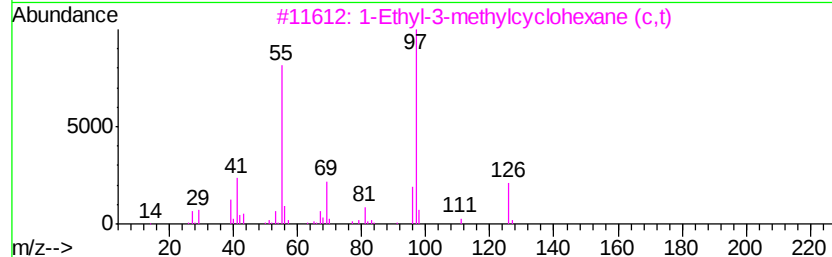
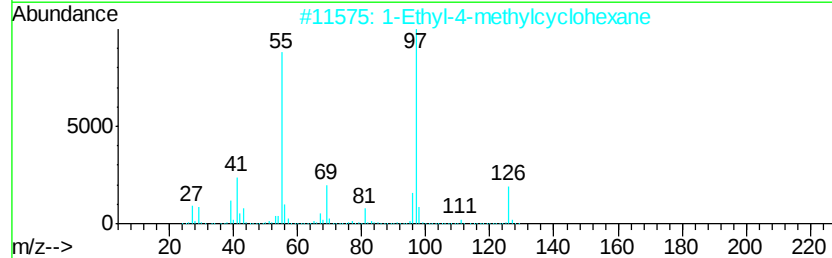
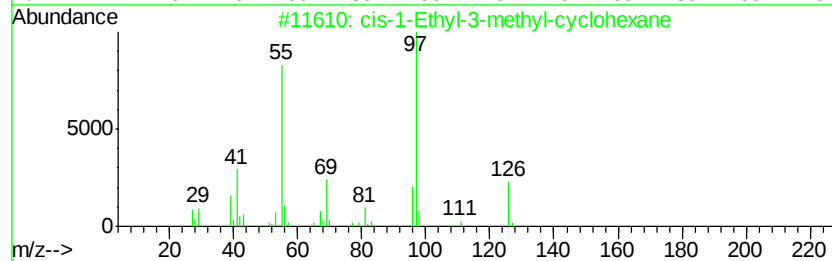
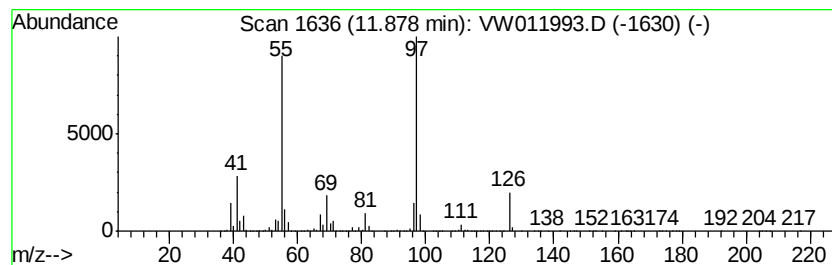
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Quant Title : SW846 8260

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

Peak Number 7 cis-1-Ethyl-3-methyl-cyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	1178.86 ug/l	6427300	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	95
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

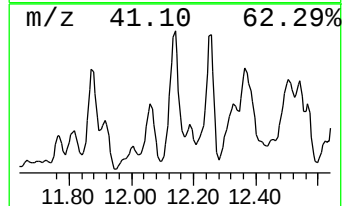
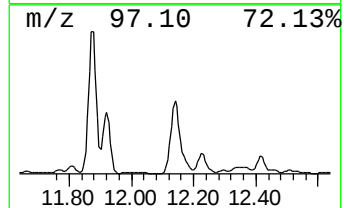
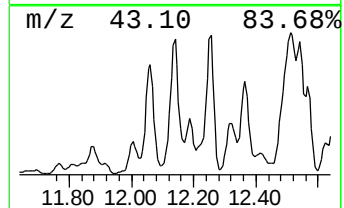
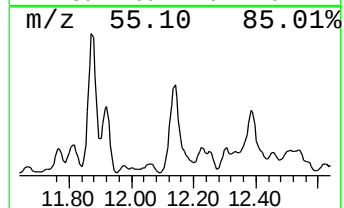
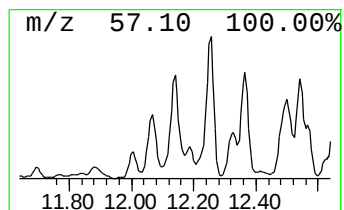
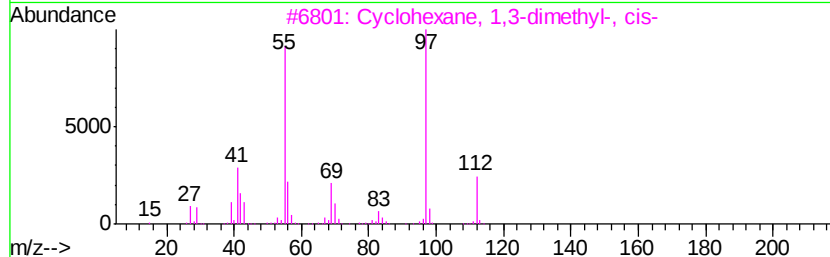
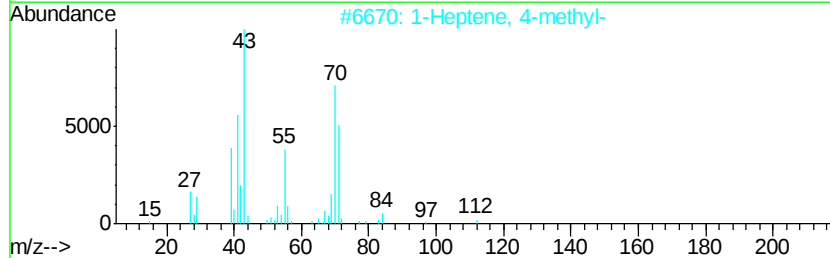
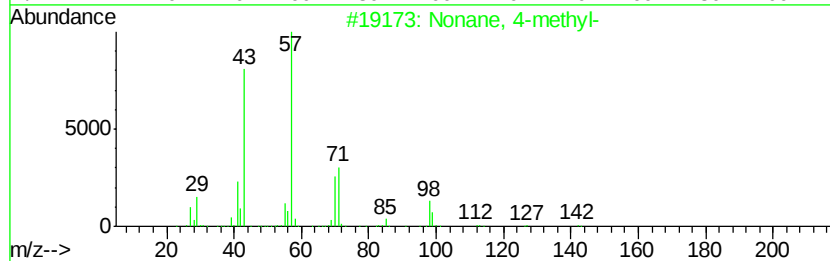
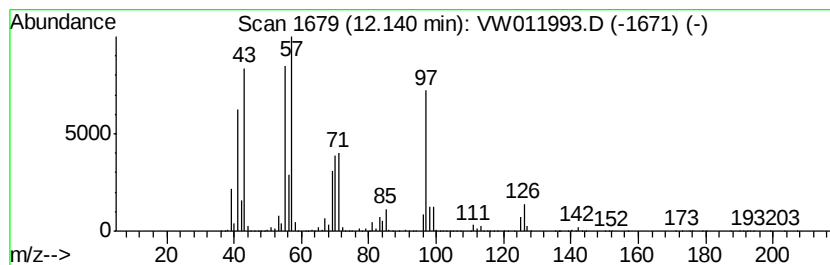
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Quant Title : SW846 8260

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

Peak Number 8 unknown12.14 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1897.03 ug/l	10342900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	43
2		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	38
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	35
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	30
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

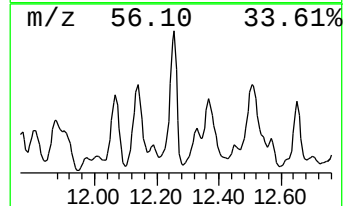
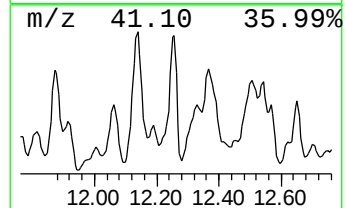
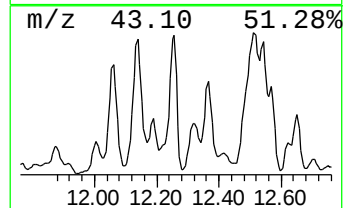
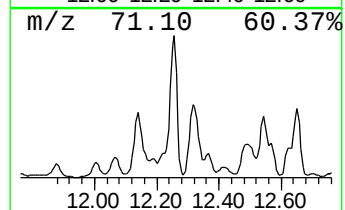
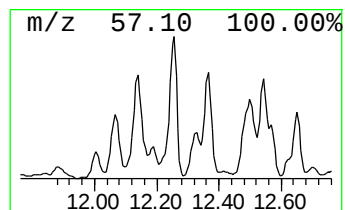
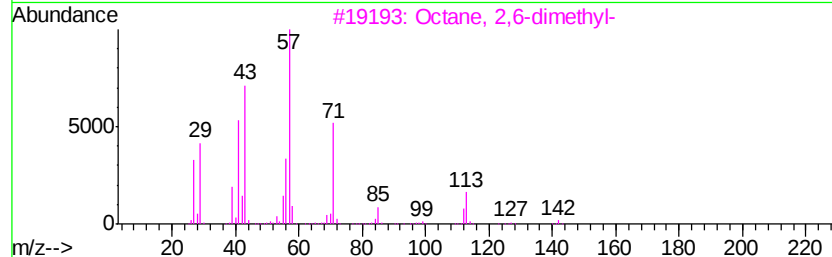
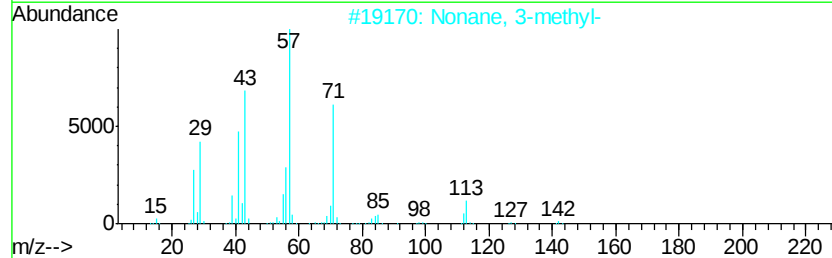
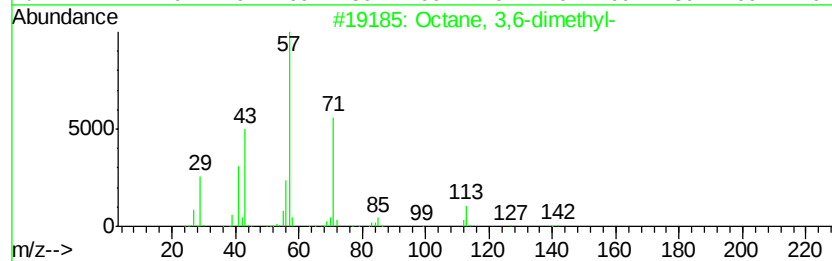
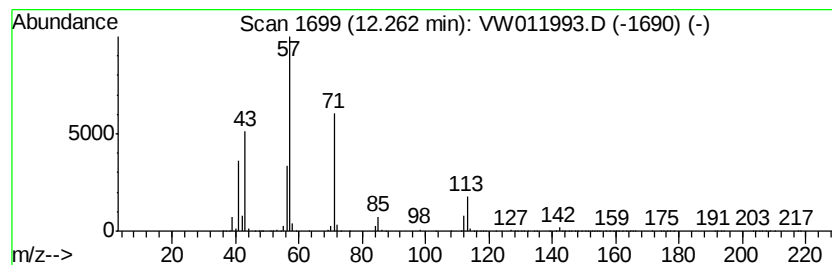
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Quant Title : SW846 8260

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

Peak Number 9 Octane, 3,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	1343.53 ug/l	7325100	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

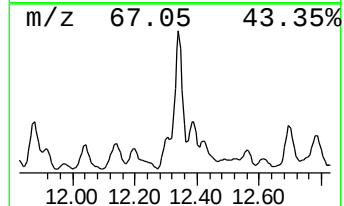
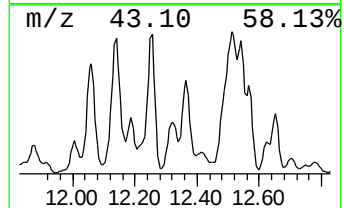
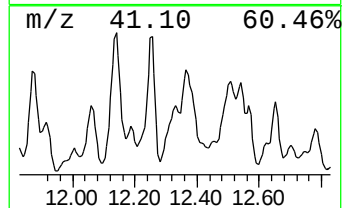
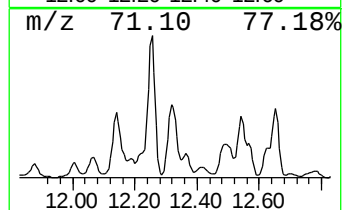
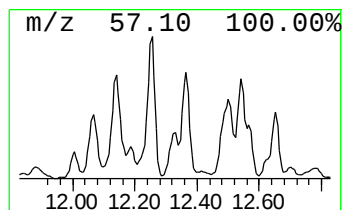
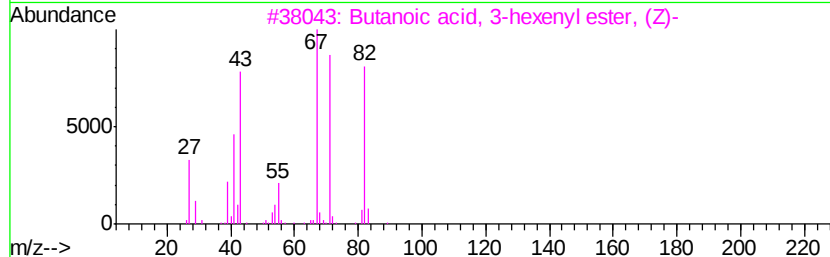
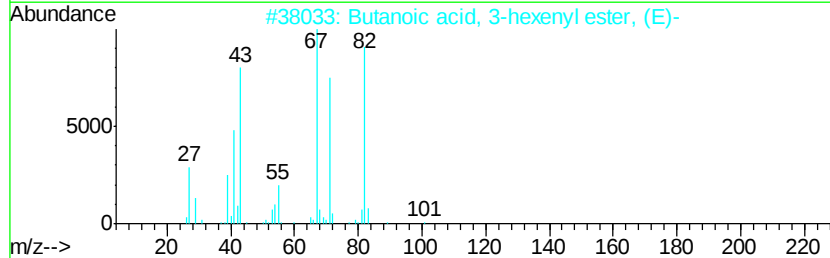
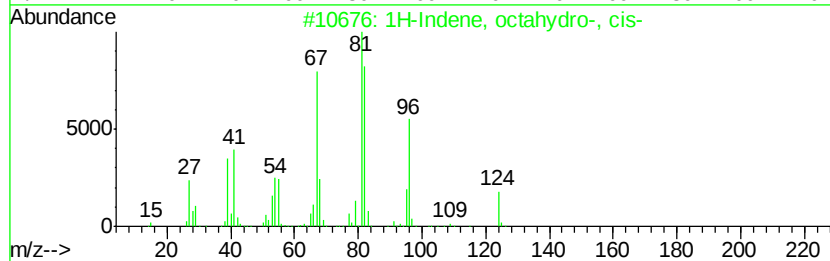
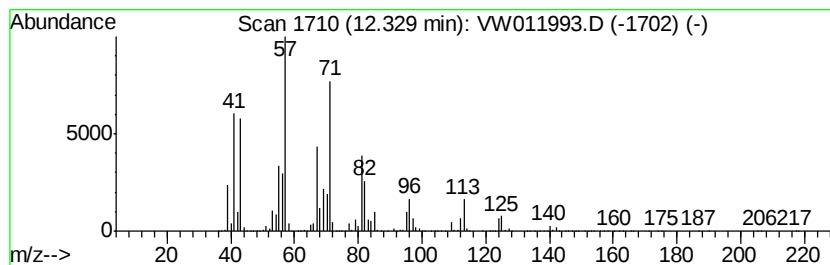
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Quant Title : SW846 8260

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

Peak Number 10 1H-Indene, octahydro-, cis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	1079.92 ug/l	5887880	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	86
2		Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	50
3		Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	50
4		Cyclohexane, isocyanato-	125	C7H11NO	003173-53-3	49
5		1,6-Octadiene, 2,6-dimethyl-, (Z)-	138	C10H18	006874-34-6	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081919\
Data File : VW011993.D
Acq On : 19 Aug 2019 15:58
Operator : SY/VA
Sample : K4391-04
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.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
Cyclohexane, 1,2-...	10.66	987.0	ug/l	5380950	3	11.63	272606	50.0
Heptane, 2,6-dime...	10.94	1233.9	ug/l	6727300	3	11.63	272606	50.0
Heptane, 2,5-dime...	11.04	1324.1	ug/l	7219270	3	11.63	272606	50.0
Cyclohexane, 1,1,...	11.23	1389.4	ug/l	7575150	3	11.63	272606	50.0
Octane, 4-methyl-	11.41	1265.6	ug/l	6900120	3	11.63	272606	50.0
cis-1-Ethyl-3-met...	11.88	1178.9	ug/l	6427300	3	11.63	272606	50.0
unknown12.14	12.14	1897.0	ug/l	10342900	3	11.63	272606	50.0
Octane, 3,6-dimet...	12.26	1343.5	ug/l	7325100	3	11.63	272606	50.0
1H-Indene, octahy...	12.33	1079.9	ug/l	5887880	3	11.63	272606	50.0