

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064318.D
 Acq On : 20 Nov 2019 17:40
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

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_D\METHOD\82D110819S.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	7.920	1010	1020	1025	rBV2	512733	1250427	6.74%	0.507%
2	7.985	1025	1031	1040	rVB	1086603	2427435	13.09%	0.984%
3	8.338	1080	1091	1101	rVB	438295	1012696	5.46%	0.410%
4	8.867	1171	1181	1192	rBV	1385551	2785844	15.03%	1.129%
5	9.355	1250	1264	1271	rBV	463486	1068977	5.77%	0.433%
6	9.979	1365	1370	1375	rBV2	134296	242739	1.31%	0.098%
7	10.120	1383	1394	1407	rBV4	161283	413740	2.23%	0.168%
8	10.343	1423	1432	1447	rBV	2297957	4513797	24.34%	1.830%
9	10.508	1455	1460	1471	rVB4	108156	297662	1.61%	0.121%
10	10.684	1485	1490	1494	rVV	230678	407597	2.20%	0.165%
11	10.779	1501	1506	1511	rBV3	115266	194310	1.05%	0.079%
12	10.867	1516	1521	1527	rVB3	165739	287667	1.55%	0.117%
13	10.955	1527	1536	1543	rBV	531792	912068	4.92%	0.370%
14	11.055	1546	1553	1561	rBV	331415	767109	4.14%	0.311%
15	11.126	1561	1565	1569	rBV2	210796	327213	1.76%	0.133%
16	11.196	1571	1577	1581	rVV	679540	1104007	5.95%	0.447%
17	11.249	1581	1586	1592	rVB	1471403	2526551	13.63%	1.024%
18	11.302	1592	1595	1599	rVB	190357	248907	1.34%	0.101%
19	11.361	1599	1605	1609	rBV2	908418	1565590	8.44%	0.635%
20	11.426	1609	1616	1618	rVV	942187	1806716	9.74%	0.732%
21	11.455	1618	1621	1628	rVB	1284202	2094689	11.30%	0.849%
22	11.531	1628	1634	1640	rBV	2057233	3413625	18.41%	1.384%
23	11.649	1647	1654	1664	rBV	1755060	3325592	17.94%	1.348%
24	11.749	1664	1671	1673	rBV3	412483	727018	3.92%	0.295%
25	11.784	1673	1677	1680	rBV	589473	795610	4.29%	0.322%
26	11.843	1680	1687	1691	rVV6	1314039	3717433	20.05%	1.507%
27	11.890	1691	1695	1699	rVV	2892646	5294680	28.56%	2.146%
28	11.937	1699	1703	1708	rVB2	2366860	4189926	22.60%	1.698%
29	11.996	1708	1713	1716	rBV2	563903	1013844	5.47%	0.411%
30	12.079	1720	1727	1733	rVB3	1152848	2555534	13.78%	1.036%
31	12.161	1733	1741	1747	rBV3	4461056	10373278	55.95%	4.204%
32	12.273	1752	1760	1765	rVV	5591548	11104805	59.89%	4.501%
33	12.361	1765	1775	1777	rVV3	4623594	11602759	62.58%	4.703%
34	12.402	1777	1782	1791	rVV4	5922547	17341741	93.53%	7.029%

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Integrator: RTE
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35	12.484	1792	1796	1799	rVV3	2066909	4608140	24.85%	1.868%
36	12.526	1800	1803	1806	rVV3	2745203	5196398	28.03%	2.106%
37	12.561	1806	1809	1817	rVV3	3691691	6857187	36.98%	2.779%
38	12.637	1817	1822	1828	rVV2	2476923	4253018	22.94%	1.724%
39	12.720	1828	1836	1841	rVV3	1378463	3660727	19.74%	1.484%
40	12.802	1845	1850	1858	rVV2	4019668	10222169	55.13%	4.143%
41	12.890	1858	1865	1868	rVV4	3444020	7115444	38.38%	2.884%
42	12.926	1868	1871	1873	rVV	3405880	5494722	29.64%	2.227%
43	12.967	1873	1878	1883	rVV3	7303320	15125247	81.58%	6.131%
44	13.014	1883	1886	1892	rVV3	2047597	3730224	20.12%	1.512%
45	13.073	1892	1896	1897	rVV3	426571	691937	3.73%	0.280%
46	13.102	1897	1901	1905	rVV2	1561820	2819337	15.21%	1.143%
47	13.149	1905	1909	1912	rVV3	1234736	2432274	13.12%	0.986%
48	13.190	1912	1916	1924	rVV2	3968976	7833632	42.25%	3.175%
49	13.273	1924	1930	1936	rVV	10547541	18541323	100.00%	7.515%
50	13.320	1936	1938	1942	rVV	948323	1528341	8.24%	0.619%
51	13.373	1943	1947	1949	rVV3	924821	1696391	9.15%	0.688%
52	13.402	1950	1952	1957	rVV2	1238375	2084136	11.24%	0.845%
53	13.473	1957	1964	1968	rVV4	2807121	6144878	33.14%	2.491%
54	13.520	1968	1972	1978	rVV4	1532311	3215256	17.34%	1.303%
55	13.584	1978	1983	1985	rVV	1852704	3116768	16.81%	1.263%
56	13.614	1985	1988	1993	rVB	2413162	3635237	19.61%	1.473%
57	13.743	2003	2010	2012	rBV5	461060	1061401	5.72%	0.430%
58	13.778	2012	2016	2020	rVV2	1438192	2427767	13.09%	0.984%
59	13.820	2020	2023	2032	rVB4	1463772	3175381	17.13%	1.287%
60	13.908	2032	2038	2043	rBV2	1561040	2698349	14.55%	1.094%
61	13.949	2043	2045	2050	rVB3	317201	392598	2.12%	0.159%
62	14.008	2051	2055	2057	rBV3	256270	398023	2.15%	0.161%
63	14.043	2057	2061	2063	rVV	805274	1338548	7.22%	0.543%
64	14.073	2063	2066	2071	rVV	1007904	1636961	8.83%	0.663%
65	14.125	2071	2075	2080	rVB	1109860	1724278	9.30%	0.699%
66	14.237	2088	2094	2099	rVB2	957884	1646839	8.88%	0.667%
67	14.296	2099	2104	2111	rVV7	234419	630678	3.40%	0.256%
68	14.373	2111	2117	2121	rVV2	379418	752837	4.06%	0.305%
69	14.420	2121	2125	2128	rVV2	551022	992800	5.35%	0.402%
70	14.449	2128	2130	2134	rVV2	443058	701492	3.78%	0.284%
71	14.490	2134	2137	2141	rVV	550683	778188	4.20%	0.315%

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72	14.537	2141	2145	2148	rVV2	202014	272707	1.47%	0.111%
73	14.578	2148	2152	2159	rVB4	294026	520901	2.81%	0.211%
74	14.678	2165	2169	2173	rVB	192030	294566	1.59%	0.119%
75	14.725	2173	2177	2182	rVV4	112367	261613	1.41%	0.106%
76	14.767	2182	2184	2189	rVB	145649	189988	1.02%	0.077%
77	14.831	2189	2195	2202	rBV2	673542	1351414	7.29%	0.548%
78	14.890	2202	2205	2212	rVB3	125858	225390	1.22%	0.091%
79	15.414	2283	2294	2302	rBV	818986	1531755	8.26%	0.621%

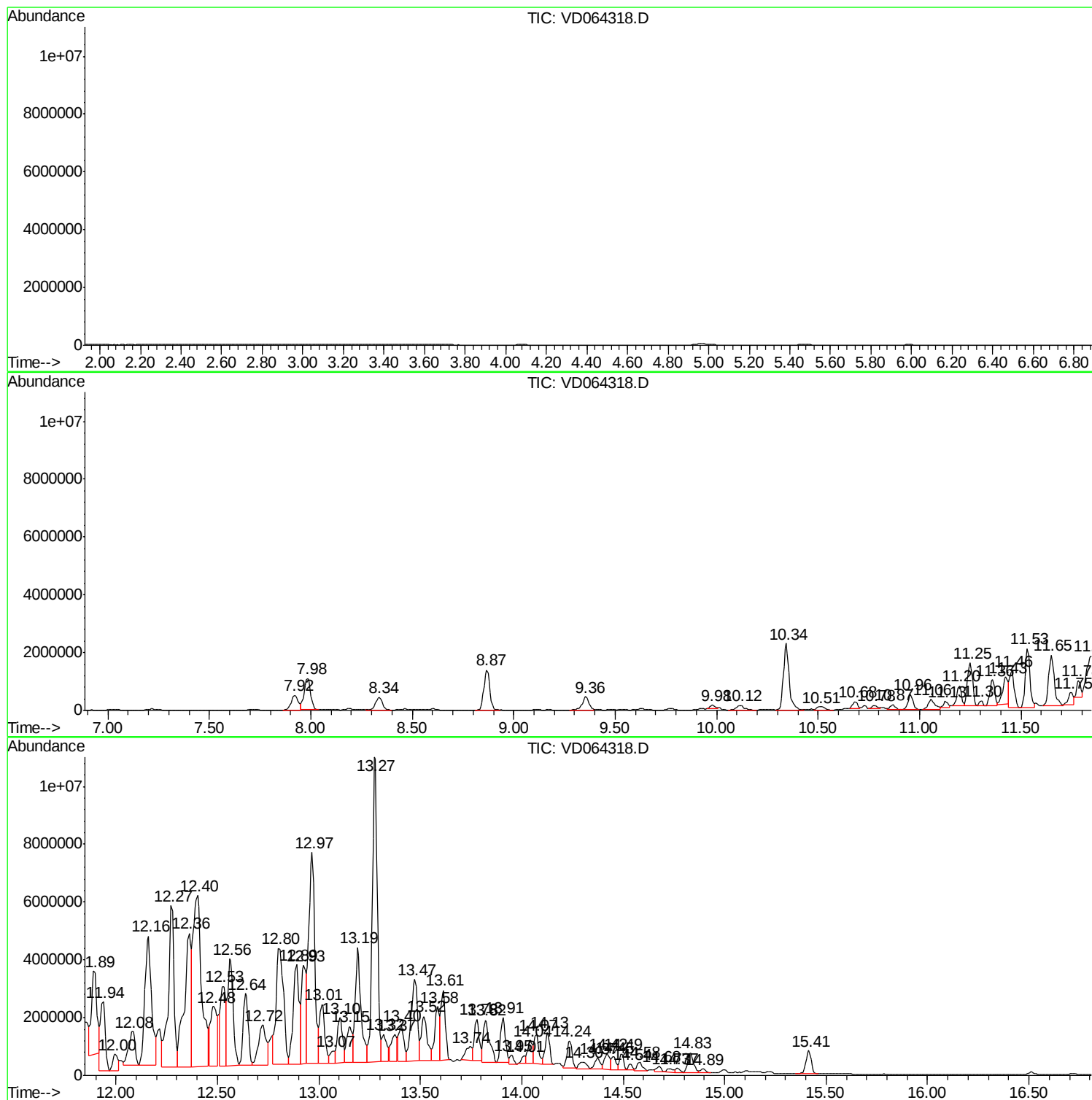
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Instrument :
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ClientSampleId :
VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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



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ALS Vial : 15 Sample Multiplier: 1

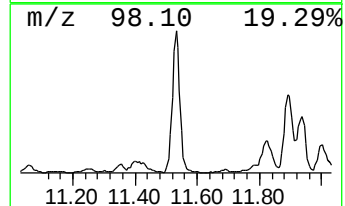
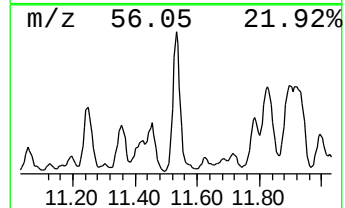
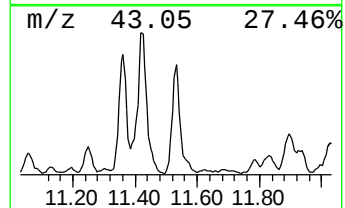
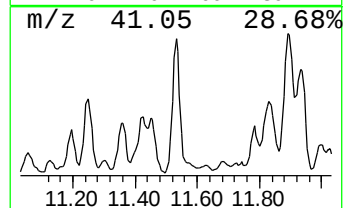
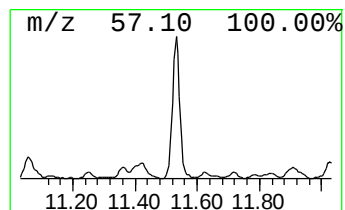
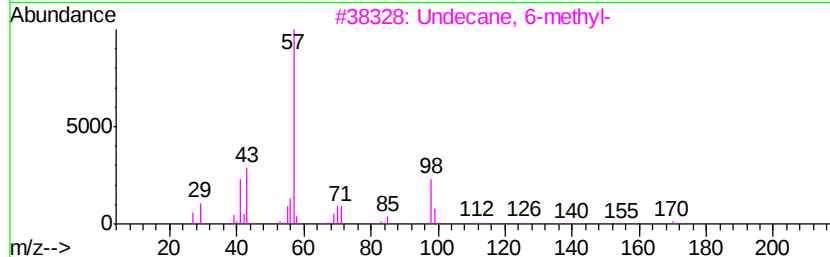
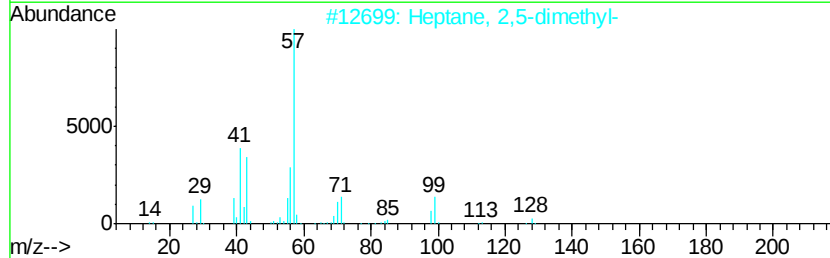
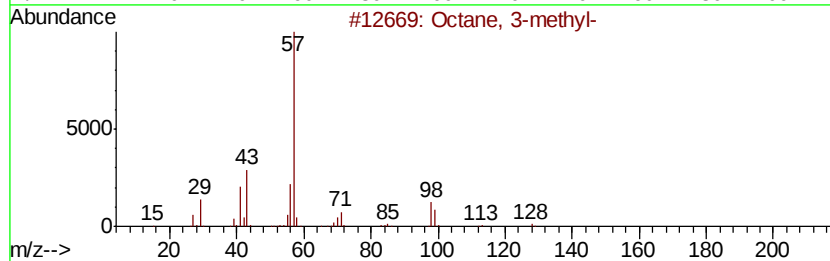
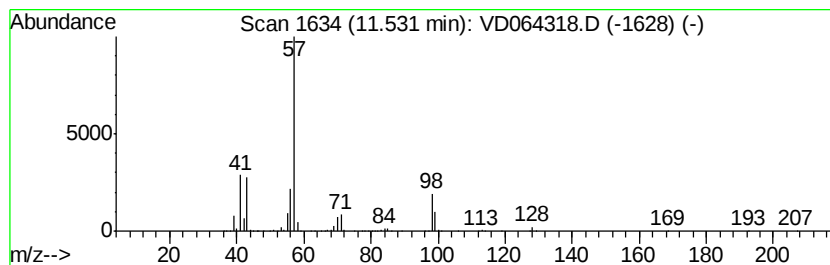
Instrument :
MSVOA_D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.53	51.32 ug/l	3413630	Chlorobenzene-d5	11.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
3		Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	50
5		Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	50



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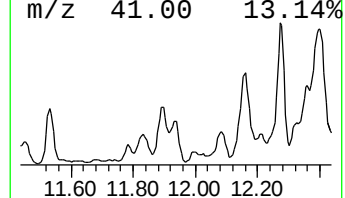
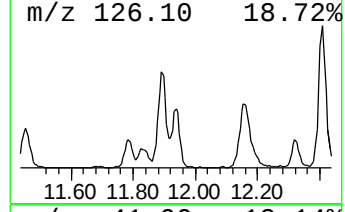
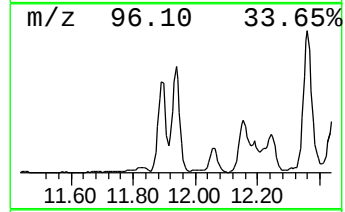
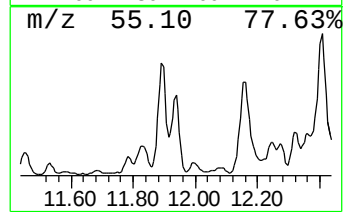
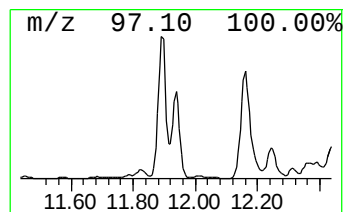
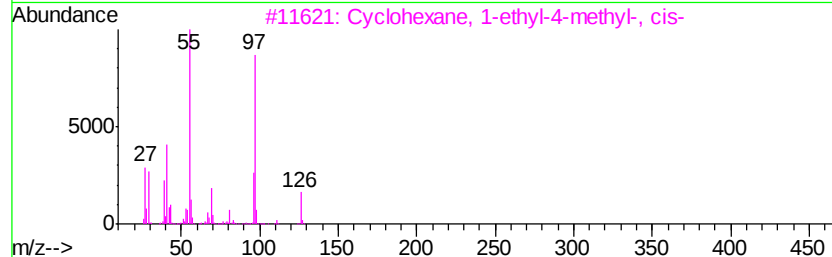
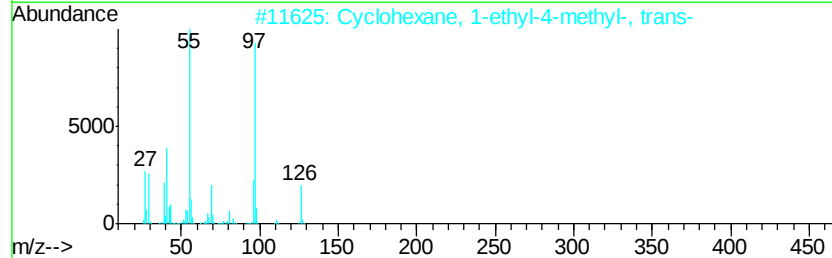
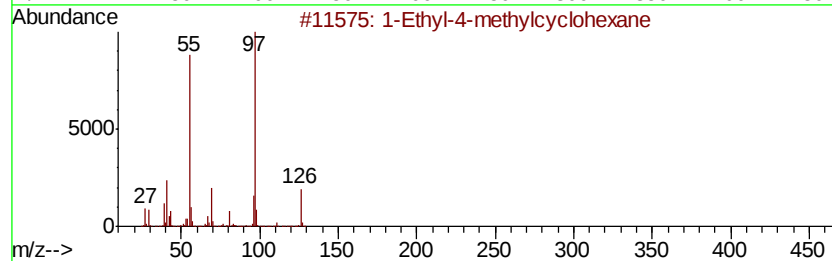
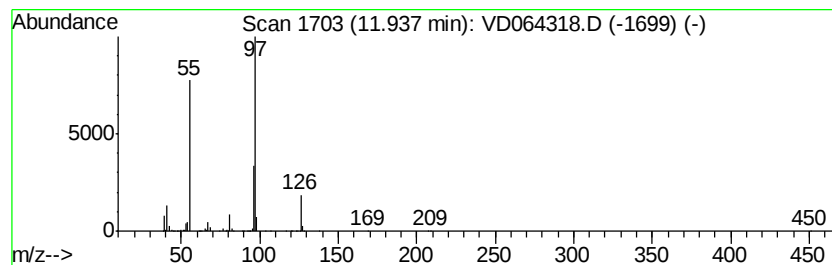
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Ethyl-4-methylcyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	63.00 ug/l	4189930	Chlorobenzene-d5	11.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
5		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64



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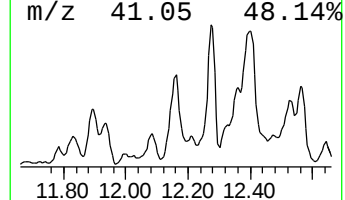
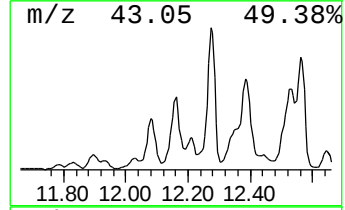
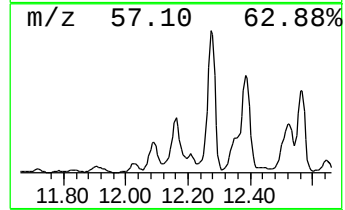
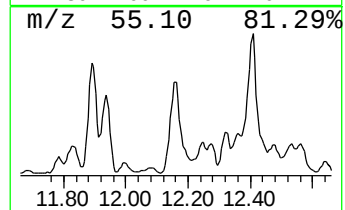
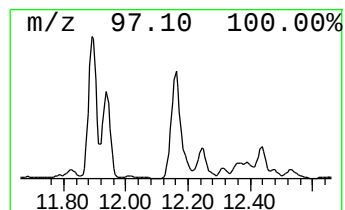
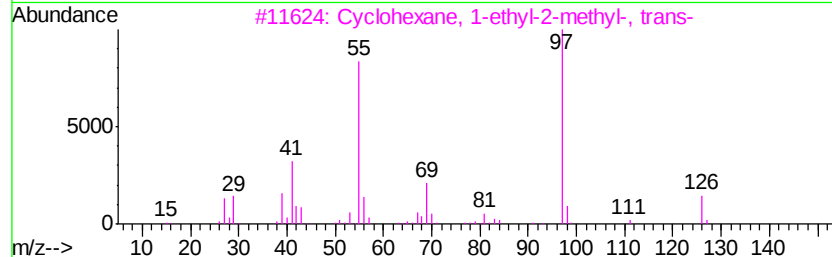
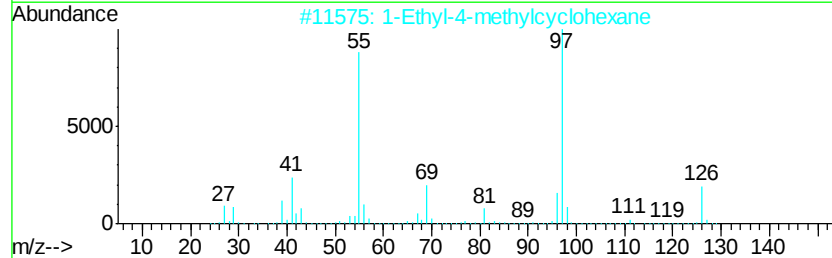
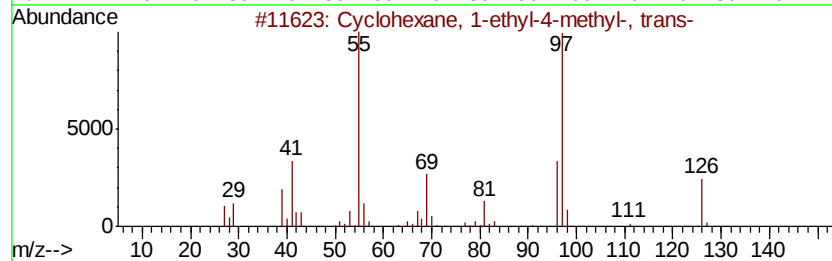
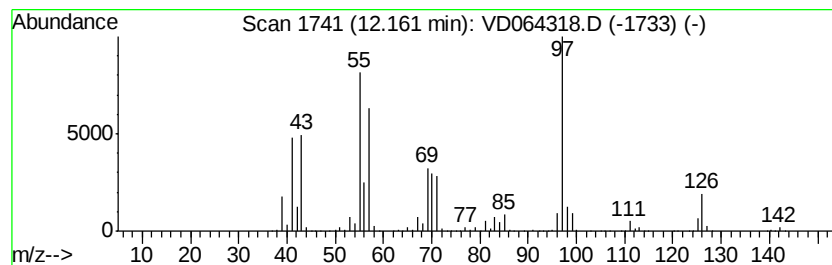
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	155.96 ug/l	10373300	Chlorobenzene-d5	11.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50



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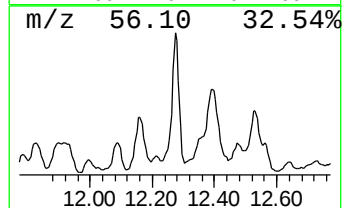
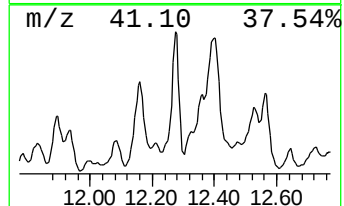
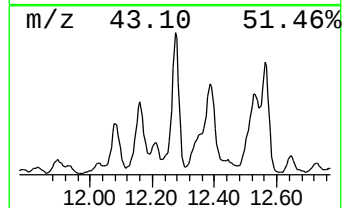
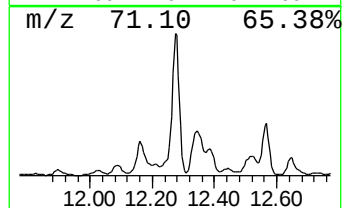
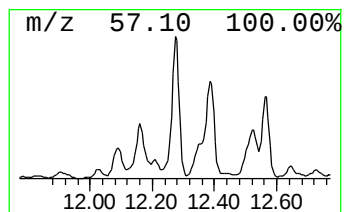
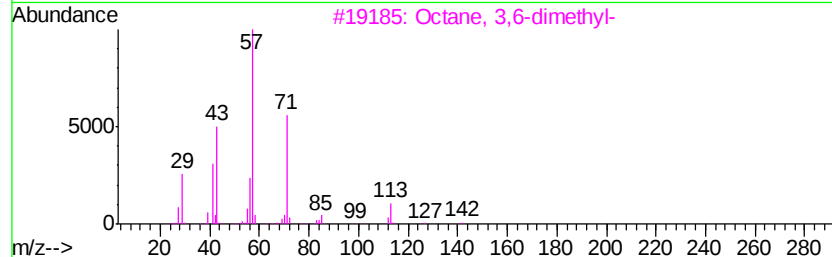
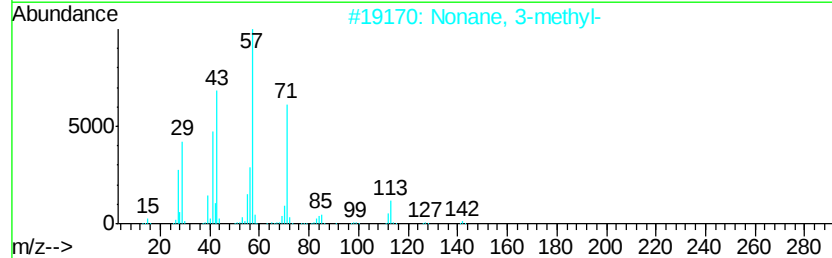
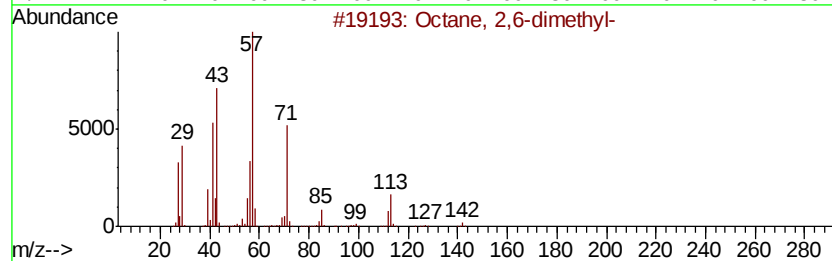
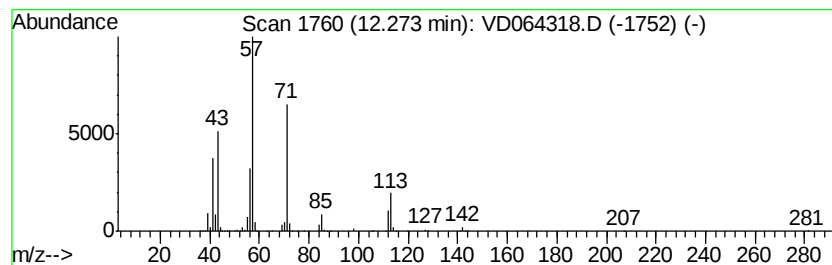
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Quant Title : SW846 8260

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

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	166.96 ug/l	11104800	Chlorobenzene-d5	11.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91	
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91	
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91	
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	53	
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

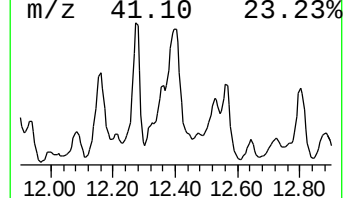
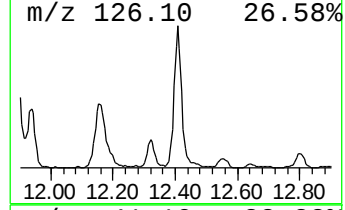
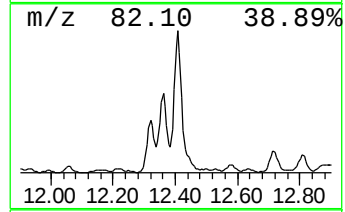
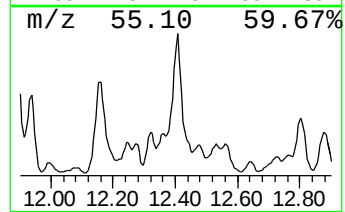
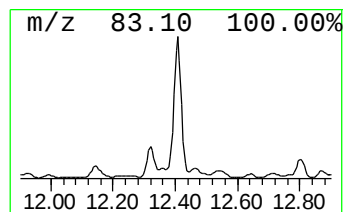
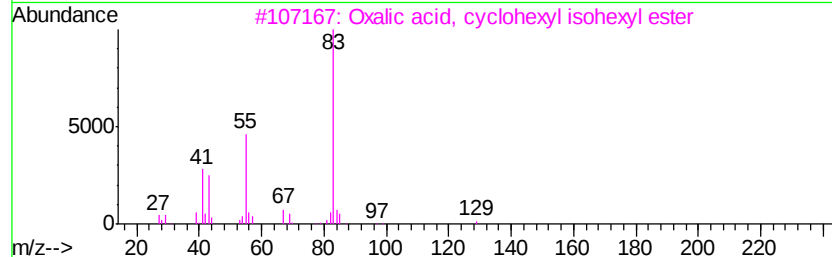
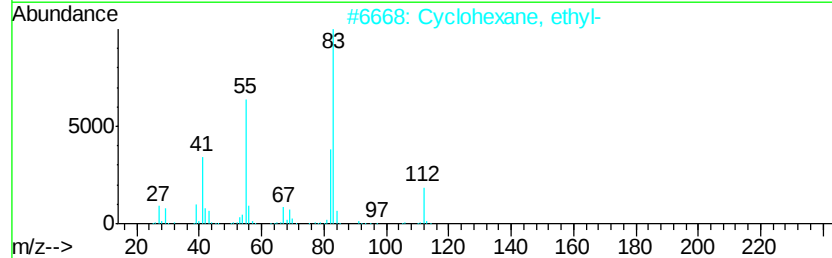
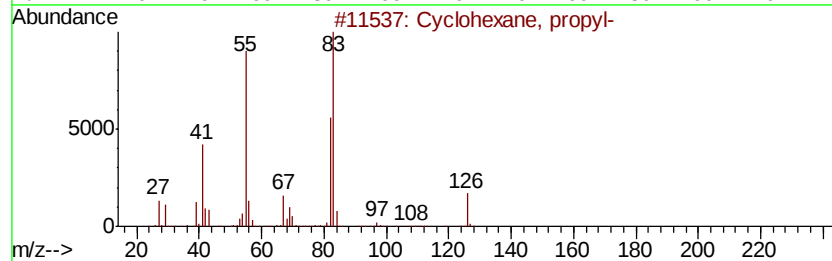
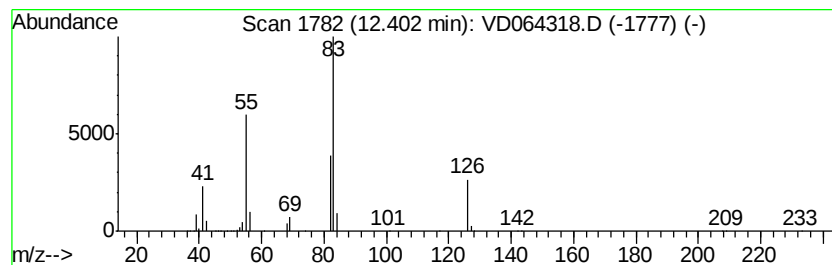
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.40	260.73 ug/l	17341700	Chlorobenzene-d5	11.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, propyl-	126	C9H18	001678-92-8	90
2		Cvclohexane, ethyl-	112	C8H16	001678-91-7	72
3		Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	50
4		Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	50
5		Oxalic acid, cyclohexyl isobutyl...	228	C12H20O4	1000309-30-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

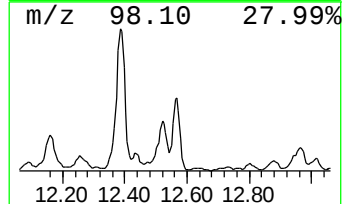
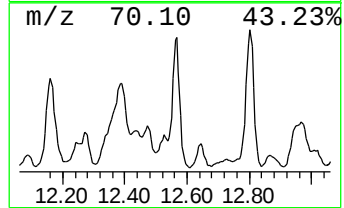
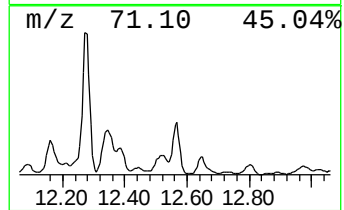
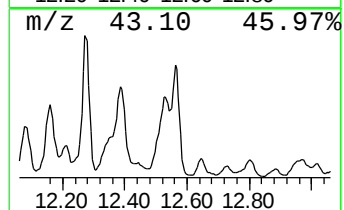
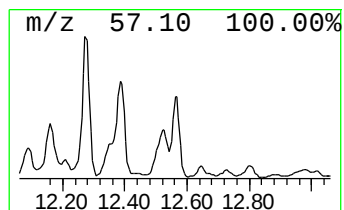
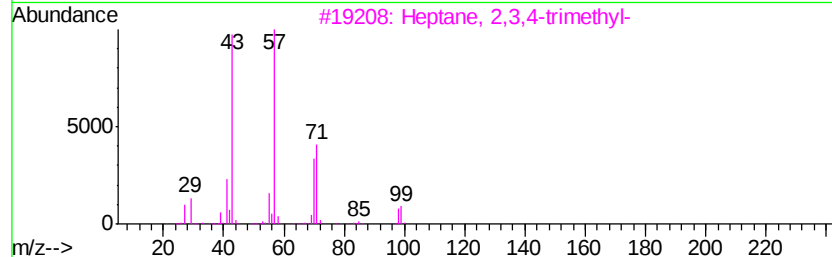
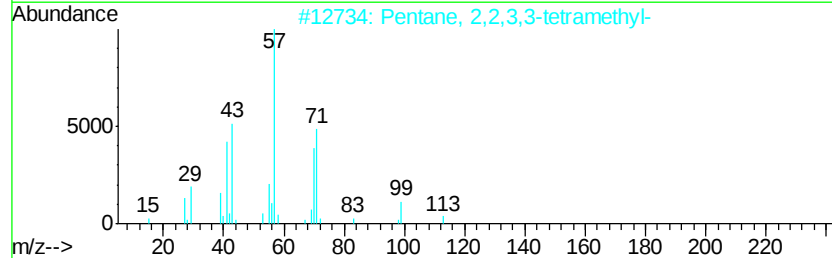
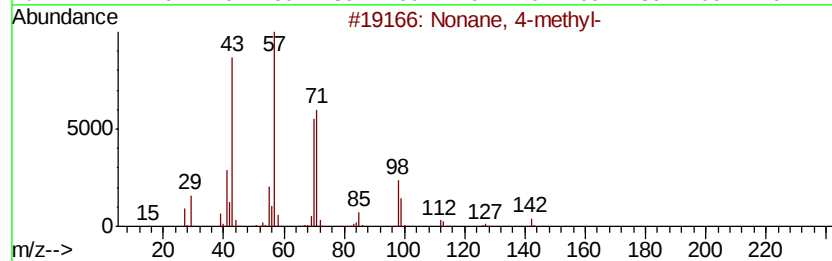
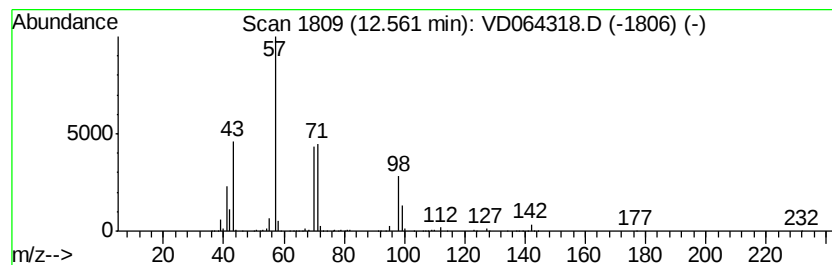
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Quant Title : SW846 8260

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

Peak Number 7 Nonane, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	103.10 ug/l	6857190	Chlorobenzene-d5	11.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
4		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	43
5		2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

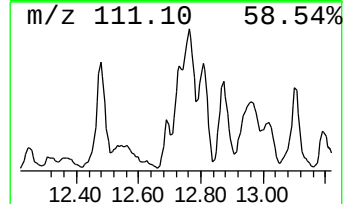
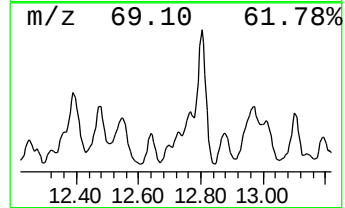
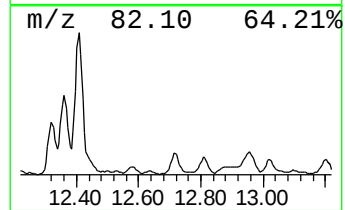
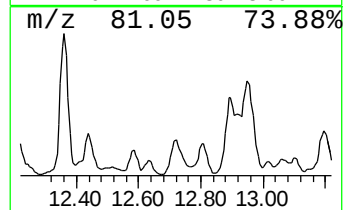
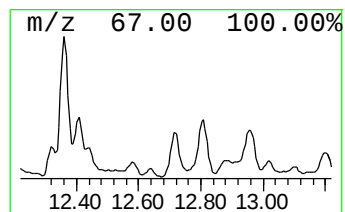
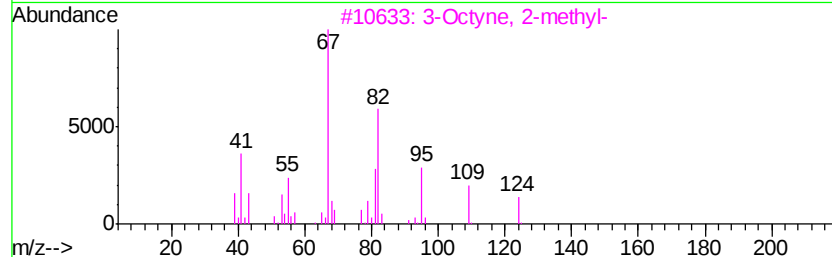
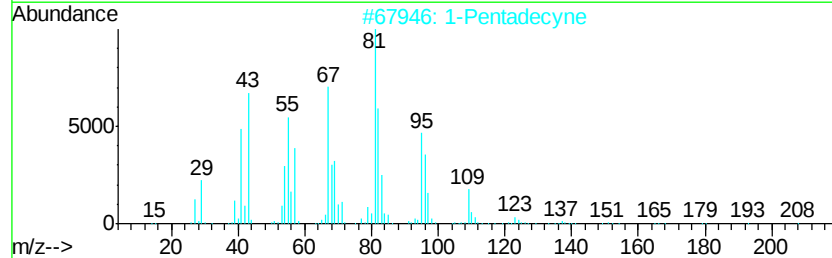
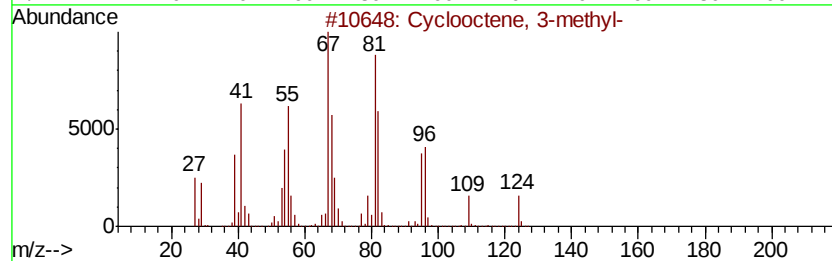
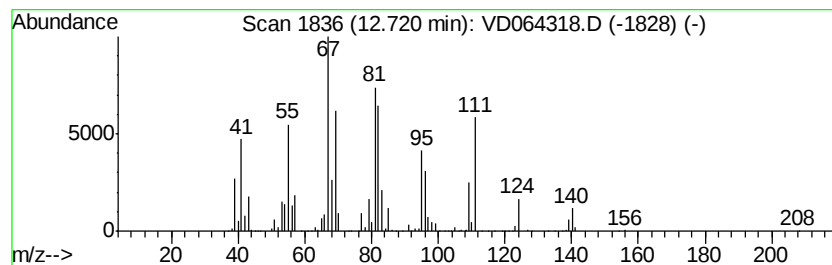
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Quant Title : SW846 8260

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

Peak Number 8 Cyclooctene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	58.73 ug/l	3660730	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	90
2		1-Pentadecyne	208	C15H28	000765-13-9	58
3		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	55
4		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43
5		Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

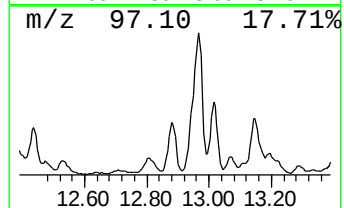
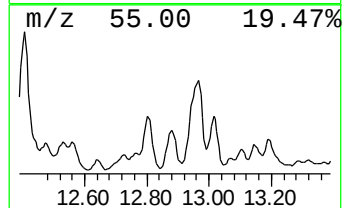
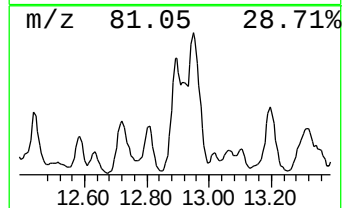
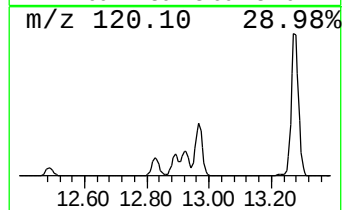
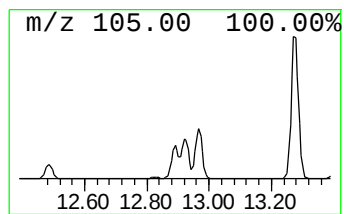
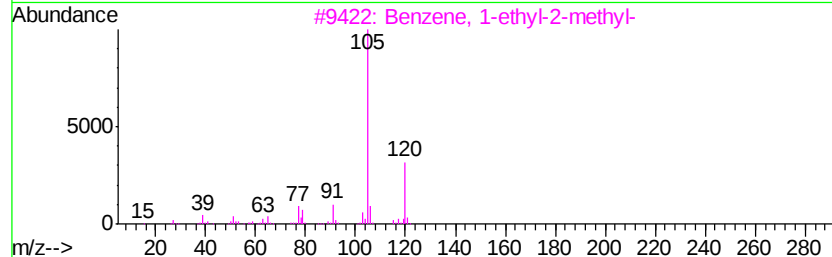
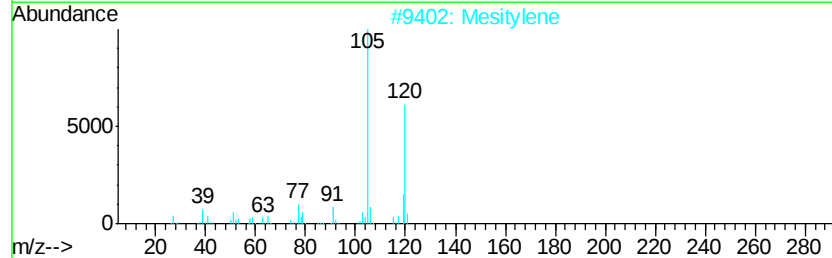
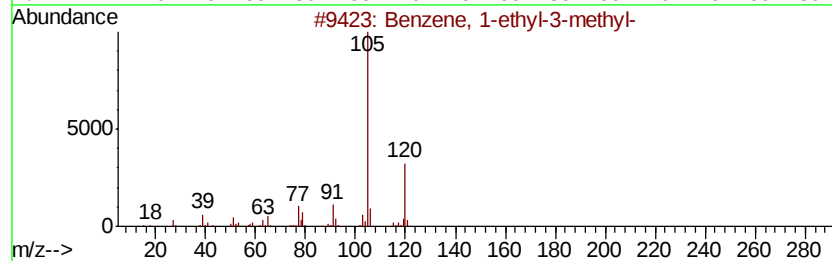
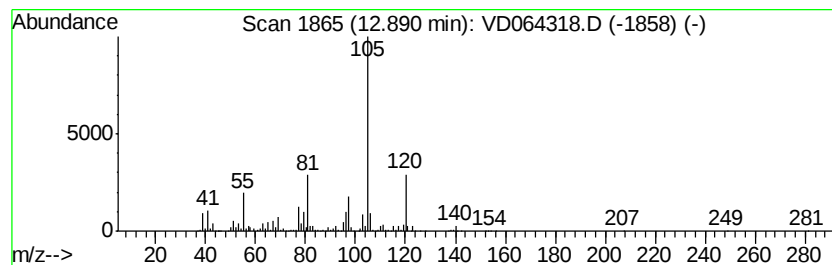
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	114.15 ug/l	7115440	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
2		Mesitylene	120	C9H12	000108-67-8	70
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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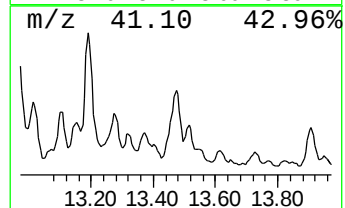
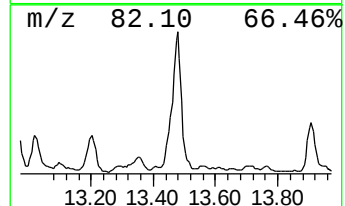
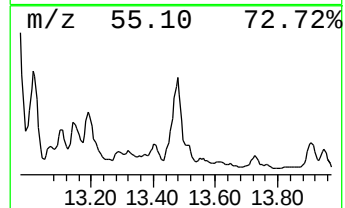
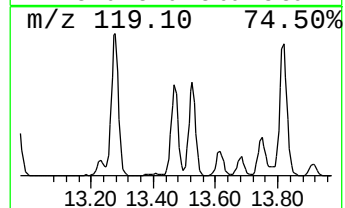
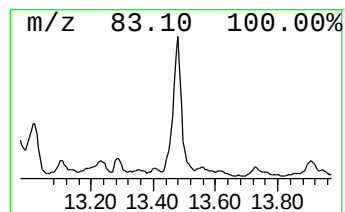
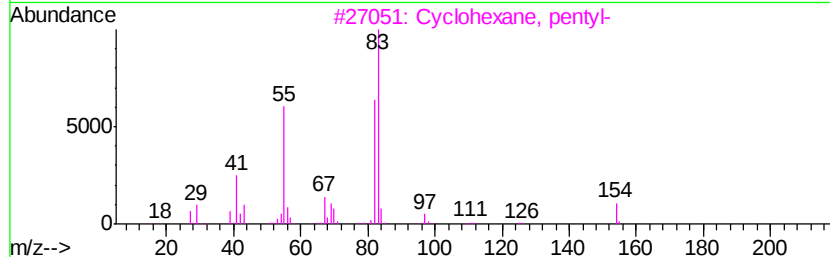
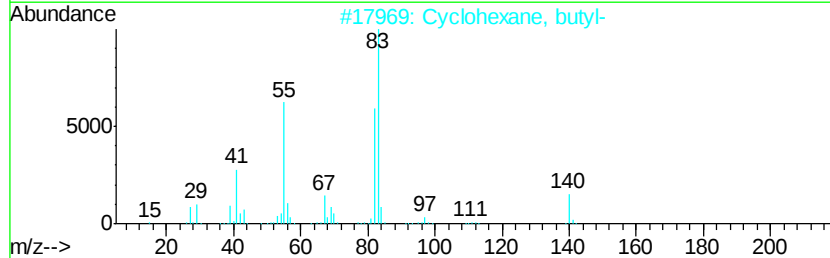
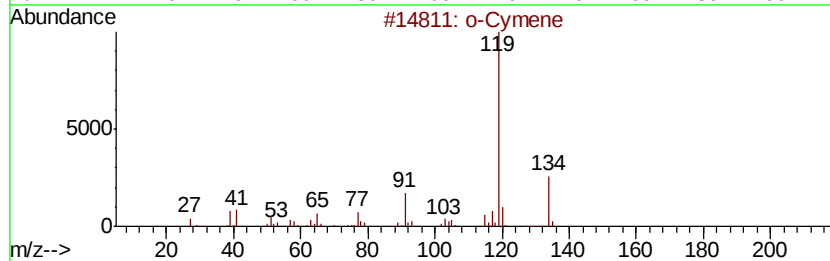
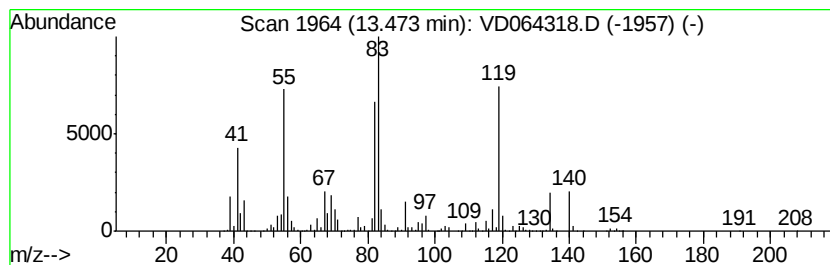
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Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	98.58 ug/l	6144880	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	70
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	55
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
5		p-Cymene	134	C10H14	000099-87-6	42



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
Data File : VD064318.D
Acq On : 20 Nov 2019 17:40
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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
Octane, 3-methyl-	11.53	51.3	ug/l	3413630	3	11.65	3325590	50.0
1-Ethyl-4-methylc...	11.94	63.0	ug/l	4189930	3	11.65	3325590	50.0
Cyclohexane, 1-et...	12.16	156.0	ug/l	10373300	3	11.65	3325590	50.0
Octane, 2,6-dimet...	12.27	167.0	ug/l	11104800	3	11.65	3325590	50.0
Cyclohexane, propyl-	12.40	260.7	ug/l	17341700	3	11.65	3325590	50.0
Nonane, 4-methyl-	12.56	103.1	ug/l	6857190	3	11.65	3325590	50.0
Cyclooctene, 3-me...	12.72	58.7	ug/l	3660730	4	13.58	3116770	50.0
Benzene, 1-ethyl-...	12.89	114.2	ug/l	7115440	4	13.58	3116770	50.0
o-Cymene	13.47	98.6	ug/l	6144880	4	13.58	3116770	50.0