

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064231.D
 Acq On : 15 Nov 2019 17:02
 Operator : VA/SY
 Sample : K5864-07
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0

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	rBV	605665	1470555	1.79%	0.103%
2	7.979	1025	1030	1039	rVB	1110224	2450701	2.98%	0.171%
3	8.338	1080	1091	1103	rVB	516075	1158274	1.41%	0.081%
4	8.867	1172	1181	1192	rBV	1572216	3174839	3.86%	0.222%
5	9.632	1300	1311	1319	rVB2	333974	895684	1.09%	0.063%
6	9.773	1326	1335	1346	rBV2	490090	1037783	1.26%	0.073%
7	10.096	1382	1390	1396	rBV	560089	1153819	1.40%	0.081%
8	10.338	1424	1431	1445	rVV2	3745527	8606050	10.45%	0.601%
9	10.508	1455	1460	1471	rVB3	954912	2606015	3.16%	0.182%
10	10.638	1471	1482	1485	rBV2	476669	1097437	1.33%	0.077%
11	10.679	1485	1489	1499	rVB	2001084	3523777	4.28%	0.246%
12	10.779	1499	1506	1512	rBV4	1315679	2864687	3.48%	0.200%
13	10.867	1517	1521	1526	rVB	723635	1162721	1.41%	0.081%
14	10.955	1526	1536	1542	rBV	2725267	4934799	5.99%	0.345%
15	11.055	1542	1553	1561	rBV	1873840	4766766	5.79%	0.333%
16	11.132	1561	1566	1568	rBV	764215	1185374	1.44%	0.083%
17	11.161	1568	1571	1573	rVV3	834345	1164126	1.41%	0.081%
18	11.196	1573	1577	1580	rVV	1453089	2291689	2.78%	0.160%
19	11.249	1580	1586	1592	rVV	6991028	12349741	15.00%	0.863%
20	11.302	1592	1595	1599	rVB2	968036	1227669	1.49%	0.086%
21	11.349	1599	1603	1608	rBV3	1458692	2471565	3.00%	0.173%
22	11.402	1608	1612	1615	rVV	745454	1093869	1.33%	0.076%
23	11.455	1615	1621	1629	rVB	3919977	8212885	9.97%	0.574%
24	11.532	1629	1634	1637	rBV2	652726	1143976	1.39%	0.080%
25	11.573	1637	1641	1648	rBV5	442776	884136	1.07%	0.062%
26	11.649	1648	1654	1658	rBV	1926541	3419699	4.15%	0.239%
27	11.743	1664	1670	1673	rBV2	669599	1200424	1.46%	0.084%
28	11.785	1673	1677	1681	rVB	2446992	3469253	4.21%	0.242%
29	11.838	1681	1686	1690	rBV3	2132213	3669091	4.46%	0.256%
30	11.896	1690	1696	1699	rVV	3920989	7955992	9.66%	0.556%
31	11.932	1700	1702	1708	rVB2	4017906	5956447	7.23%	0.416%
32	11.996	1708	1713	1716	rBV2	1705719	3137117	3.81%	0.219%
33	12.085	1725	1728	1733	rVB2	1812728	2786077	3.38%	0.195%
34	12.161	1733	1741	1747	rBV3	11451035	26567117	32.26%	1.856%

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35	12.214	1747	1750	1752	rVB2	1175592	1152385	1.40%	0.081%
36	12.279	1752	1761	1765	rVB	13677097	23621232	28.69%	1.651%
37	12.326	1765	1769	1770	rBV2	2253902	3192885	3.88%	0.223%
38	12.361	1770	1775	1777	rBV3	9416917	15608791	18.96%	1.091%
39	12.438	1785	1788	1790	rBV	1669881	2262060	2.75%	0.158%
40	12.538	1801	1805	1807	rBV4	2447349	4106386	4.99%	0.287%
41	12.638	1817	1822	1826	rBV3	4237178	7598046	9.23%	0.531%
42	12.679	1826	1829	1832	rVV2	1916684	2679870	3.25%	0.187%
43	12.726	1832	1837	1841	rVV4	4931552	9012084	10.94%	0.630%
44	12.802	1845	1850	1857	rVB3	19238790	38259044	46.46%	2.673%
45	12.885	1857	1864	1869	rBV5	8856075	22300710	27.08%	1.558%
46	12.961	1870	1877	1883	rBV6	11974733	34380925	41.75%	2.402%
47	13.108	1892	1902	1905	rBV3	11998522	22794050	27.68%	1.593%
48	13.155	1905	1910	1912	rVV3	8183385	13051824	15.85%	0.912%
49	13.196	1912	1917	1923	rVB	37605844	60744980	73.77%	4.245%
50	13.326	1935	1939	1943	rBV2	10242768	15137667	18.38%	1.058%
51	13.373	1944	1947	1950	rBV	8313233	11518938	13.99%	0.805%
52	13.473	1957	1964	1968	rBV5	14195361	34629306	42.05%	2.420%
53	13.514	1968	1971	1975	rVB3	15986134	21733191	26.39%	1.519%
54	13.655	1992	1995	1997	rBV2	3223662	4059925	4.93%	0.284%
55	13.743	2002	2010	2014	rVV4	15126867	41847857	50.82%	2.924%
56	13.785	2014	2017	2022	rVB	14500363	23164437	28.13%	1.619%
57	13.855	2022	2029	2032	rBV3	6866897	17365797	21.09%	1.213%
58	13.908	2032	2038	2043	rBV2	44771797	79286131	96.28%	5.540%
59	14.014	2053	2056	2060	rBV5	7445638	10791872	13.11%	0.754%
60	14.126	2071	2075	2080	rVB	30762316	45689724	55.49%	3.193%
61	14.173	2080	2083	2088	rVB2	16559877	24849808	30.18%	1.736%
62	14.237	2088	2094	2099	rBV5	27812523	50514535	61.34%	3.530%
63	14.302	2100	2105	2110	rVB5	14910299	26377481	32.03%	1.843%
64	14.355	2111	2114	2116	rBV3	7790824	10588902	12.86%	0.740%
65	14.420	2120	2125	2129	rBV3	35533688	60212687	73.12%	4.208%
66	14.532	2140	2144	2148	rBV	14013985	23548619	28.60%	1.646%
67	14.584	2148	2153	2159	rVV4	27500544	53322941	64.75%	3.726%
68	14.637	2159	2162	2174	rVB5	9611744	28012342	34.02%	1.957%
69	14.773	2182	2185	2190	rVB3	8894788	12504068	15.18%	0.874%
70	14.837	2191	2196	2200	rVV5	18786205	38384006	46.61%	2.682%
71	14.884	2200	2204	2212	rVB3	39882538	82345829	100.00%	5.754%

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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	15.014	2223	2226	2229	rBV3	5382416	7860746	9.55%	0.549%
73	15.108	2237	2242	2246	rVB3	27304882	48813266	59.28%	3.411%
74	15.155	2246	2250	2255	rBV2	6229562	13300302	16.15%	0.929%
75	15.226	2256	2262	2267	rVB2	23720379	51238113	62.22%	3.580%
76	15.379	2283	2288	2295	rVB	20756991	34888021	42.37%	2.438%
77	15.473	2296	2304	2309	rBV2	23845324	54961874	66.75%	3.841%
78	15.714	2339	2345	2352	rVB	10948149	22668390	27.53%	1.584%
79	15.790	2353	2358	2364	rVB6	8153453	15498456	18.82%	1.083%
80	16.008	2392	2395	2402	rVB6	3616676	6133010	7.45%	0.429%
81	16.237	2428	2434	2446	rVB4	8049225	20713922	25.15%	1.447%
82	16.443	2462	2469	2476	rVB3	8776256	20245971	24.59%	1.415%
83	16.508	2476	2480	2494	rVB4	3059458	8838305	10.73%	0.618%
84	16.714	2507	2515	2523	rBV3	6670788	18171946	22.07%	1.270%

Sum of corrected areas: 1431073811

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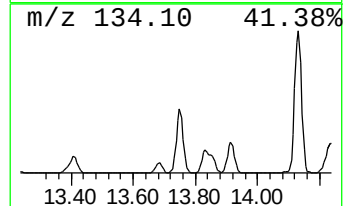
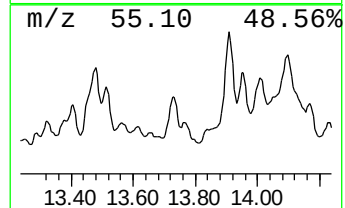
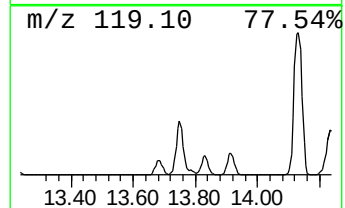
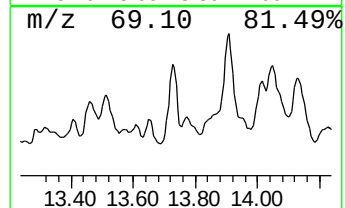
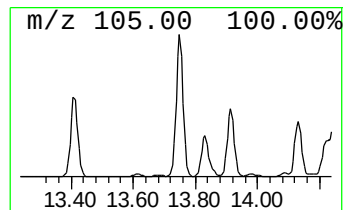
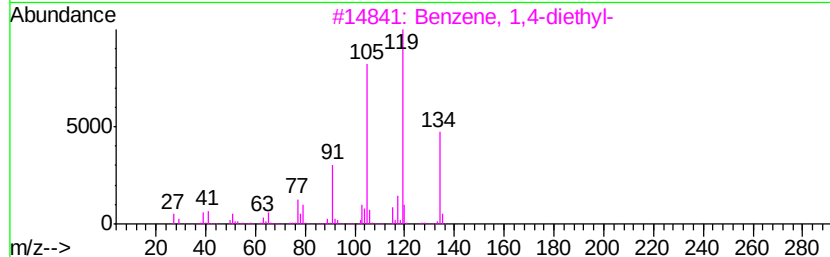
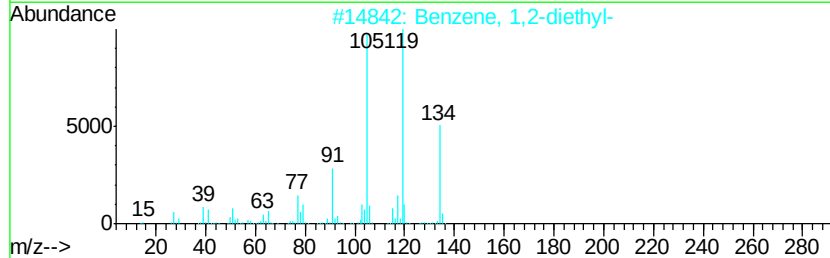
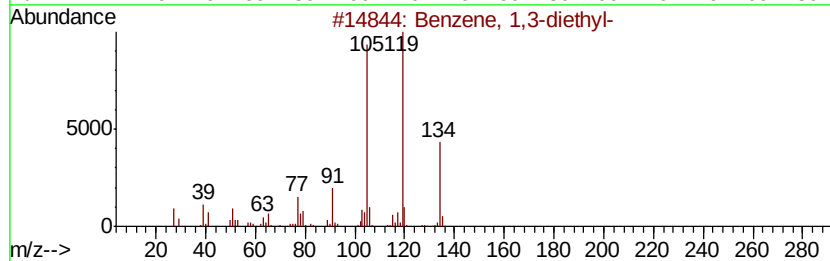
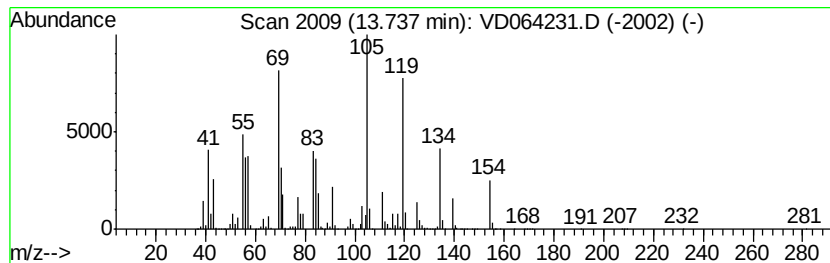
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1,3-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	515.38 ug/l	41847900	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76



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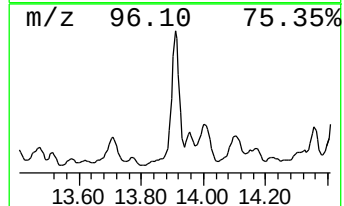
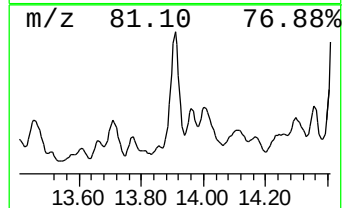
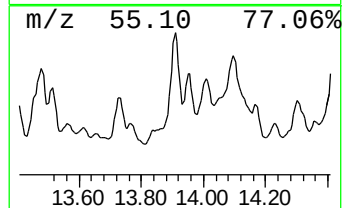
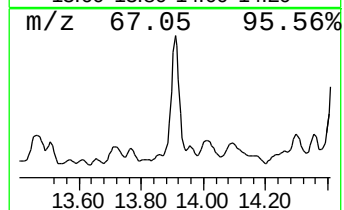
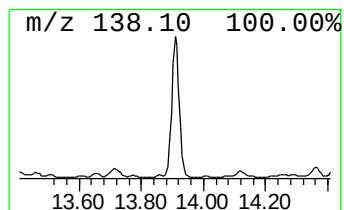
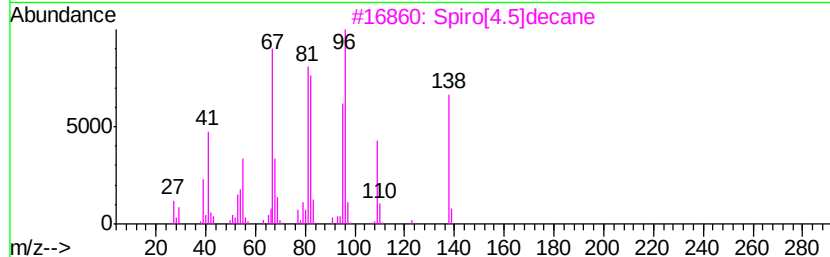
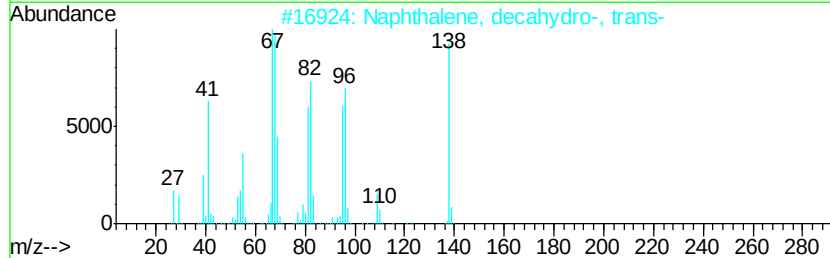
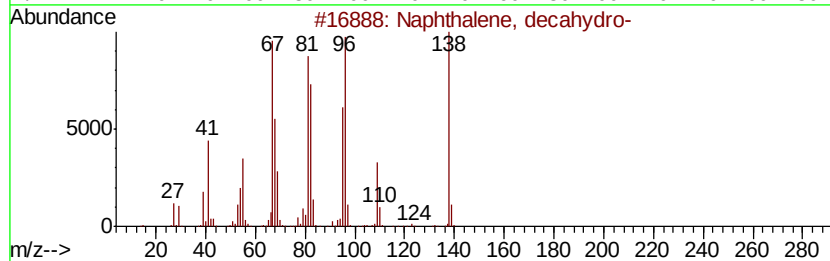
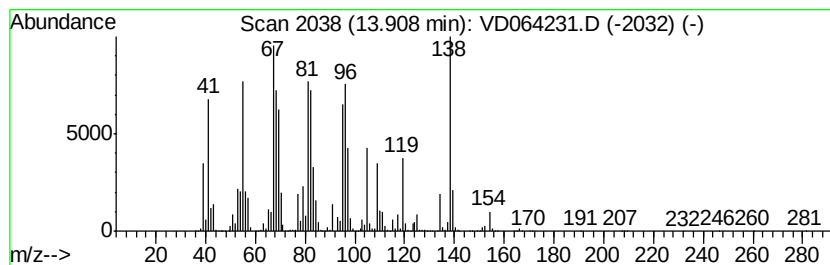
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, decahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	976.45 ug/l	79286100	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	92
3		Spiro[4.5]decane	138	C10H18	000176-63-6	81
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
5		Cyclodecene	138	C10H18	003618-12-0	58



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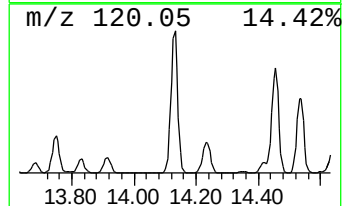
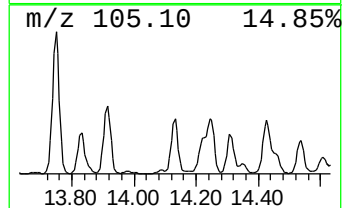
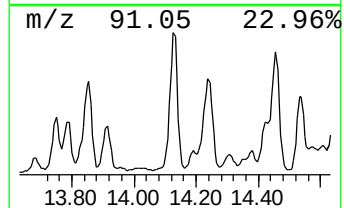
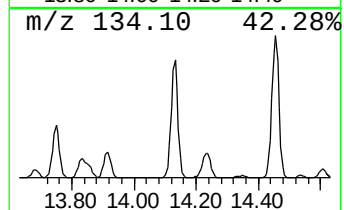
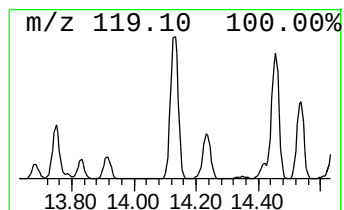
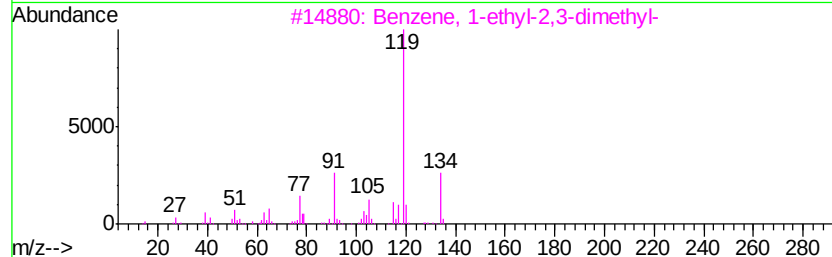
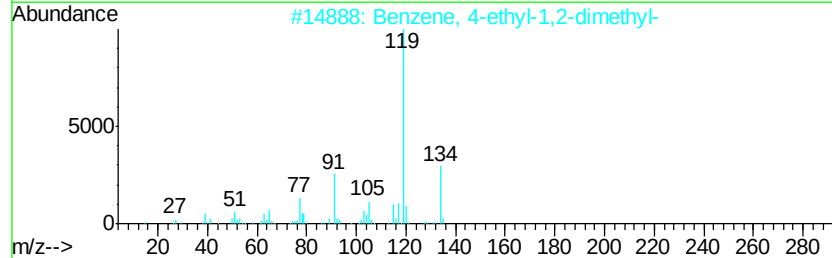
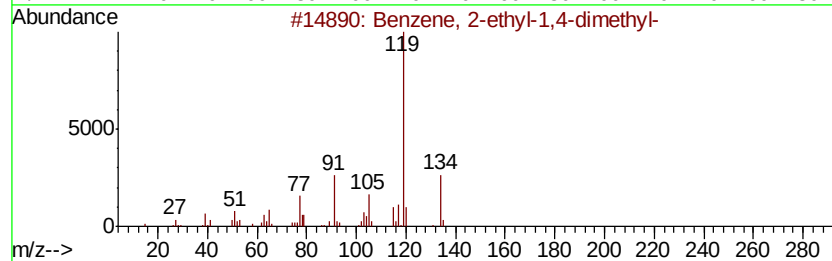
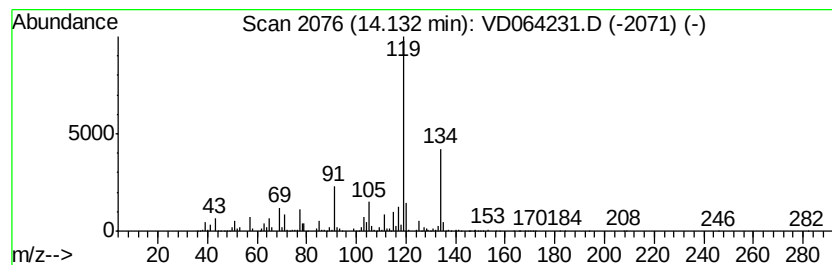
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	562.69 ug/l	45689700	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		o-Cymene	134	C10H14	000527-84-4	94



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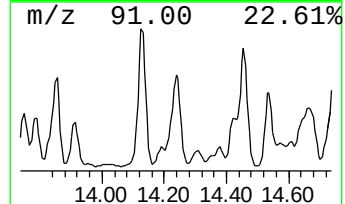
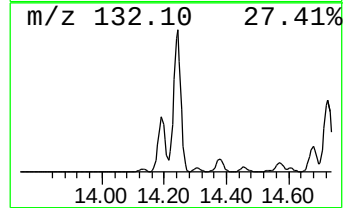
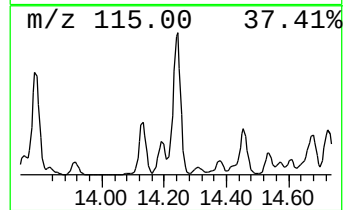
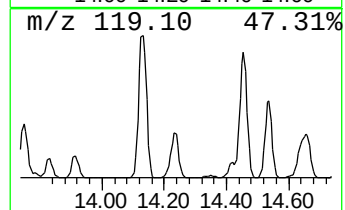
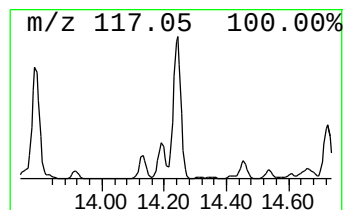
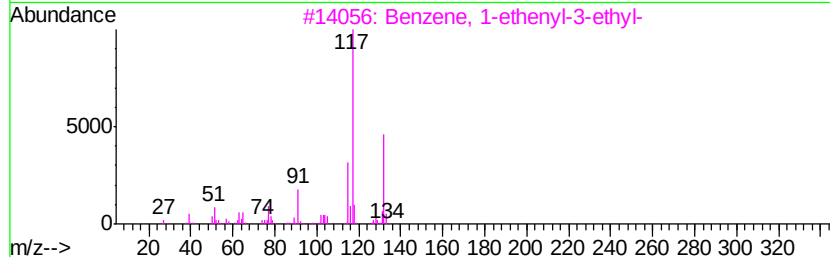
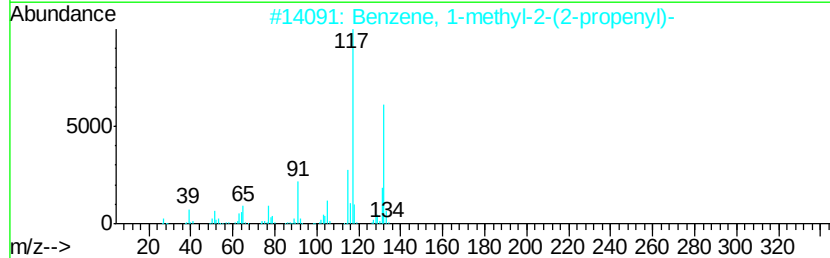
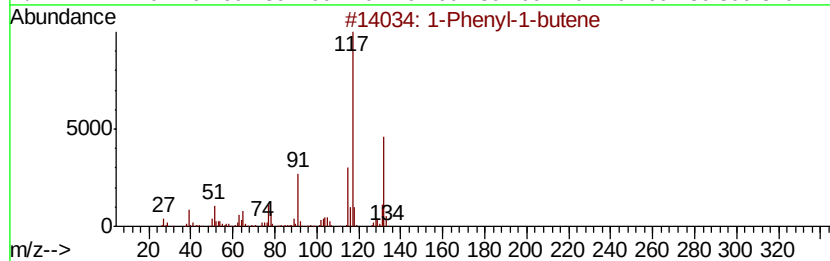
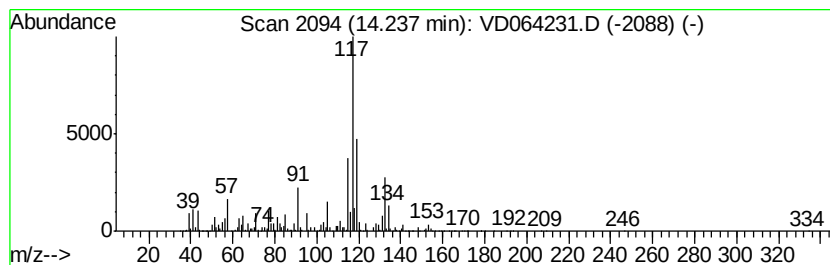
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Quant Title : SW846 8260

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

Peak Number 4 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	622.11 ug/l	50514500	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
4		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	62
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

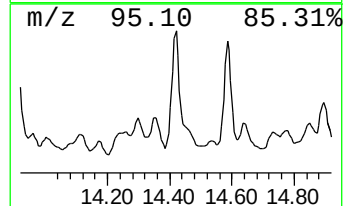
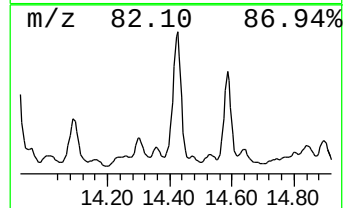
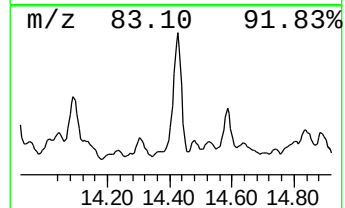
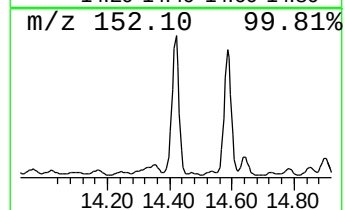
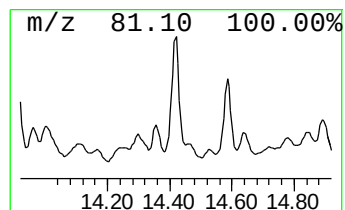
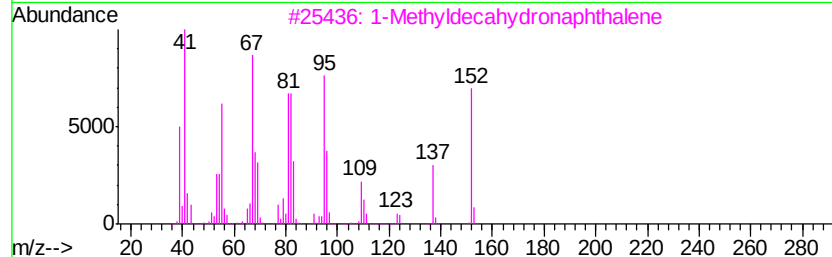
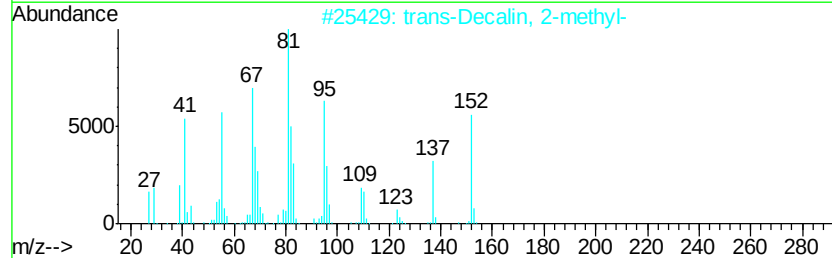
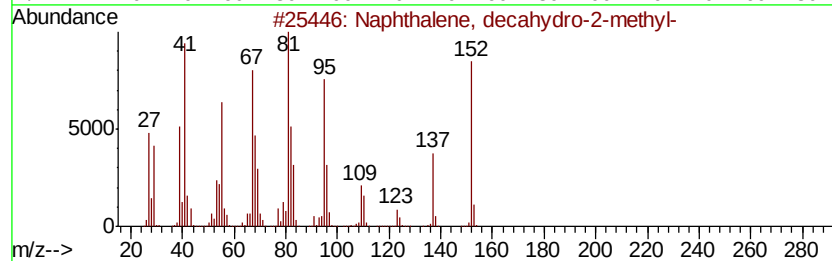
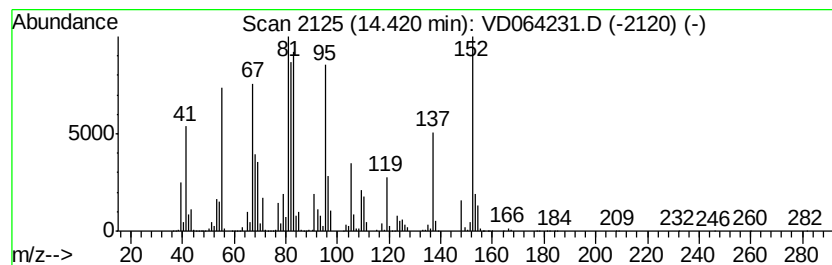
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	741.55 ug/l	60212700	1,4-Dichlorobenzene-d4	13.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	58
4		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	52
5		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

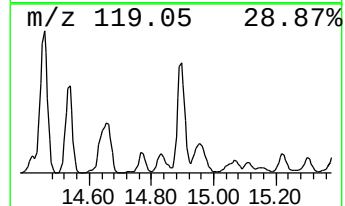
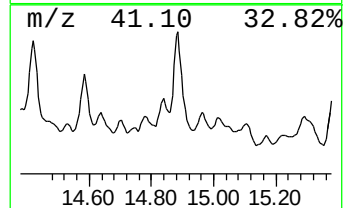
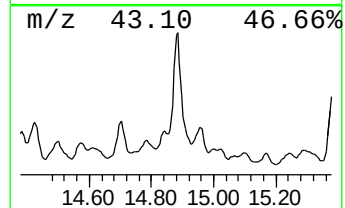
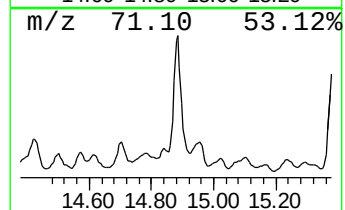
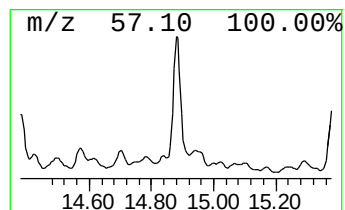
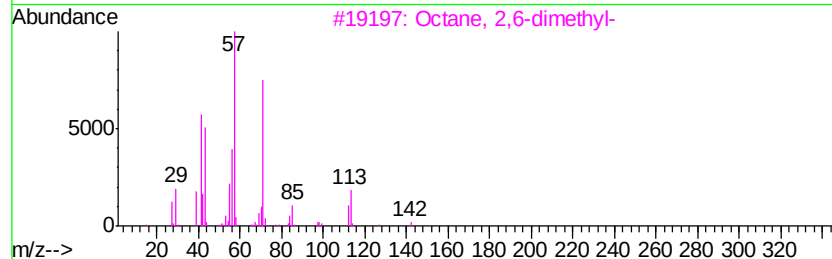
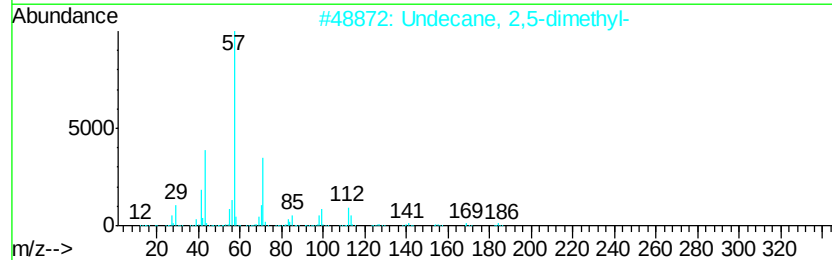
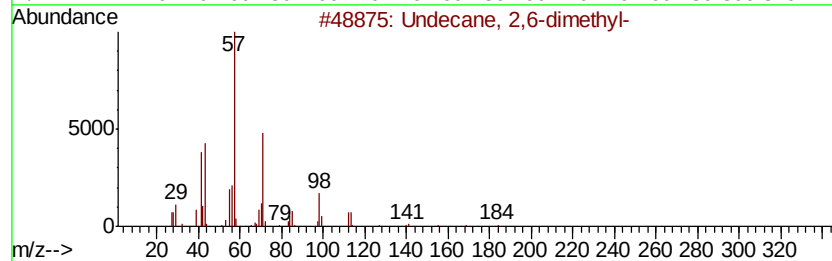
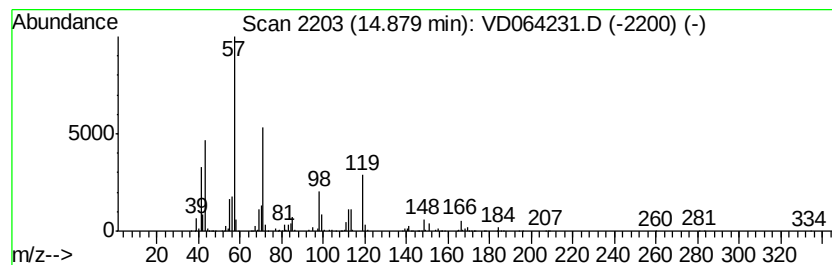
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

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 7 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1014.13 ug/l	82345800	1,4-Dichlorobenzene-d4	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	50
2	Undecane, 2,5-dimethyl-	184 C13H28	017301-22-3	46
3	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	43
4	Heptane, 3-ethyl-2-methyl-	142 C10H22	014676-29-0	42
5	Sulfurous acid, decyl 2-ethylhex...	334 C18H38O3S	1000309-19-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

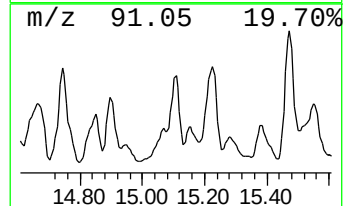
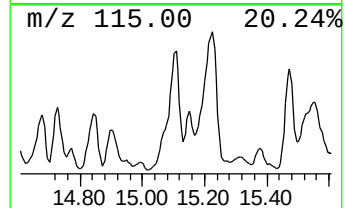
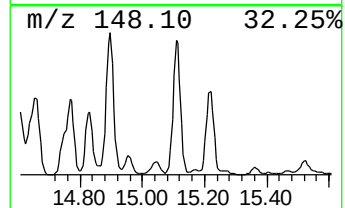
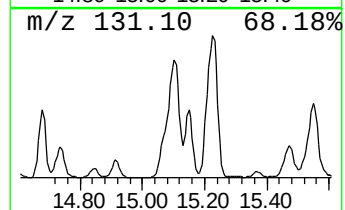
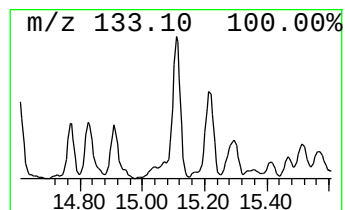
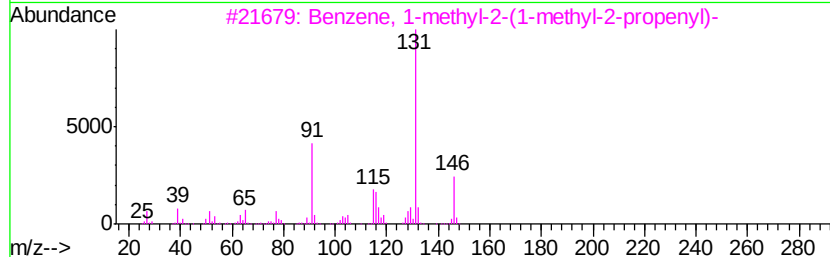
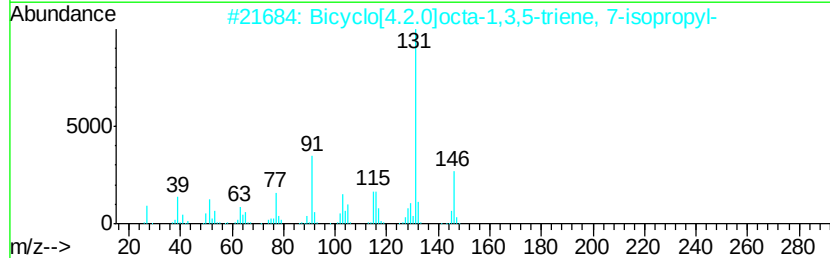
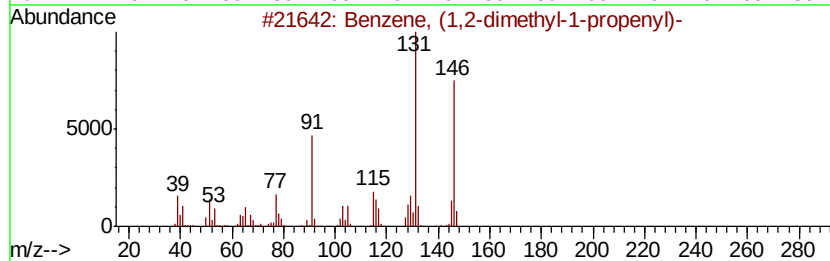
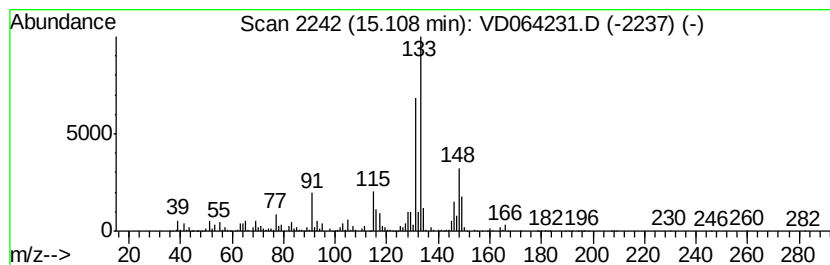
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

Peak Number 8 unknown15.11 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	601.16 ug/l	48813300	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	42
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	42
3		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	42
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	42
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

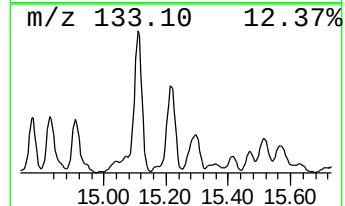
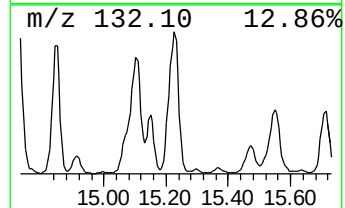
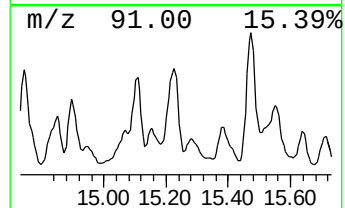
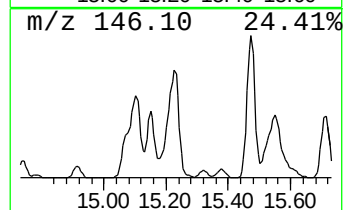
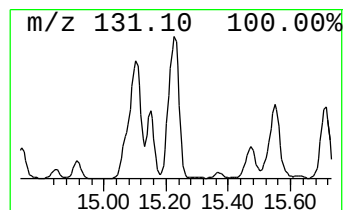
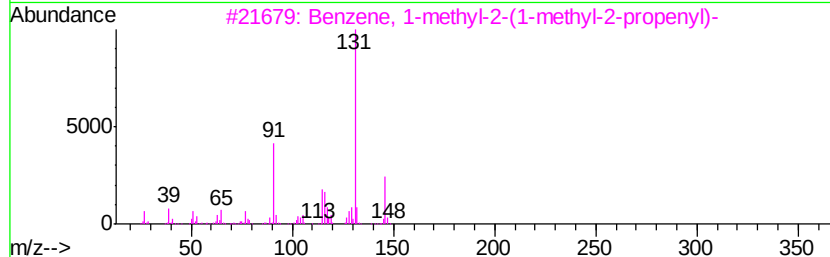
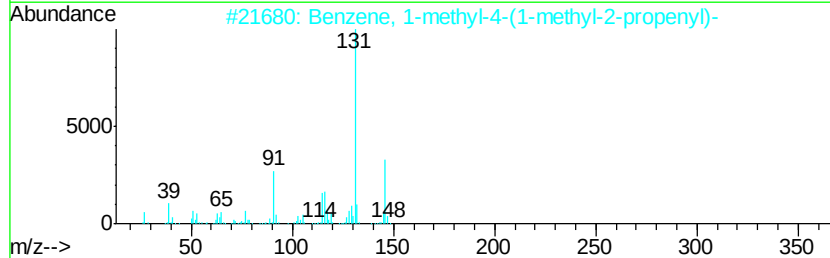
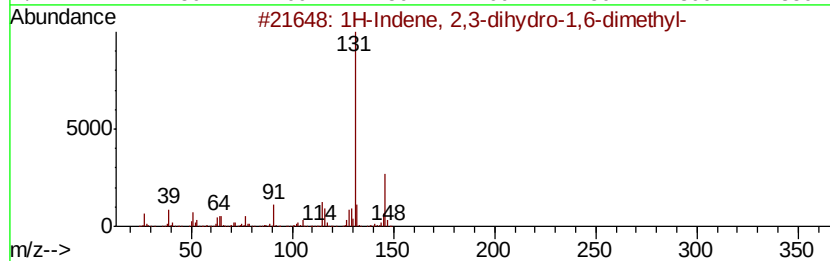
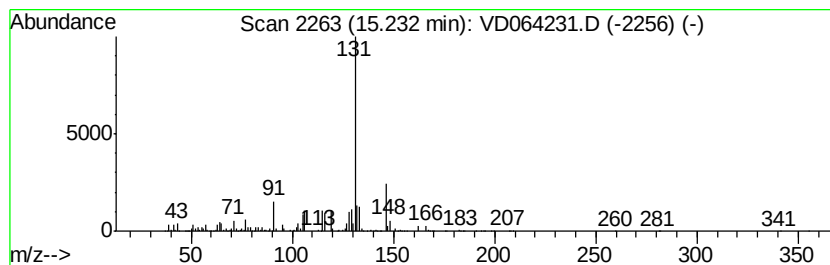
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

Peak Number 9 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	631.02 ug/l	51238100	1,4-Dichlorobenzene-d4	13.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14		017059-48-2	93
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14		097664-18-1	81
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14		097664-19-2	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14		001559-81-5	76
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14		004489-84-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

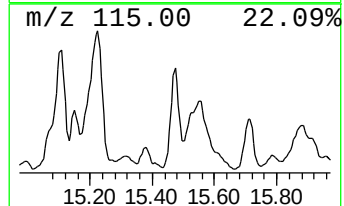
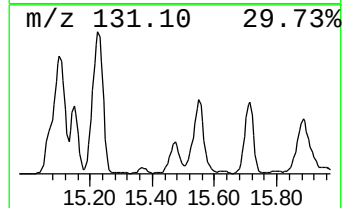
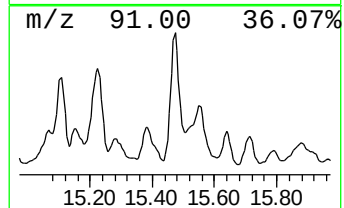
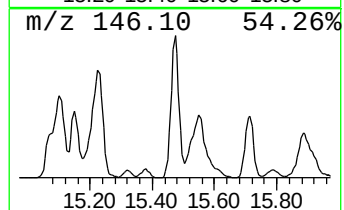
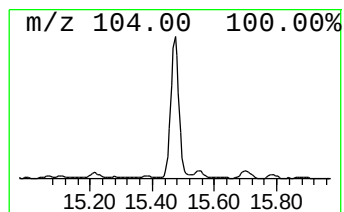
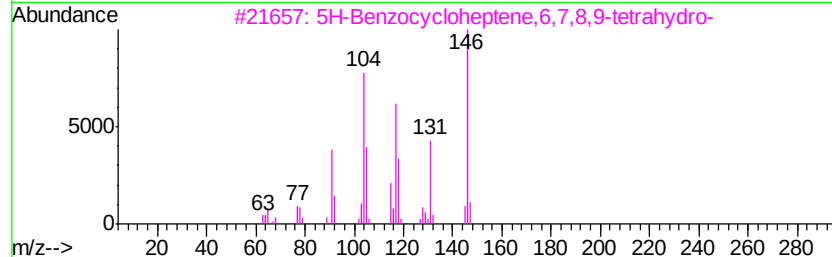
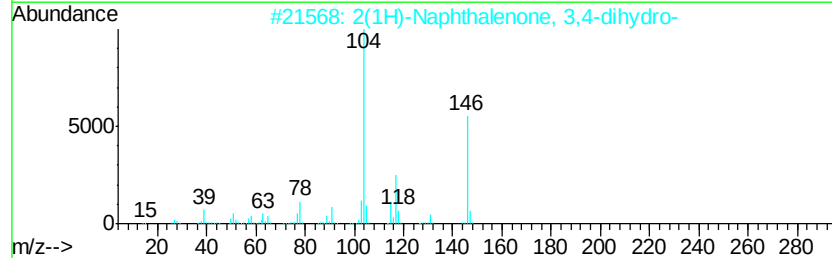
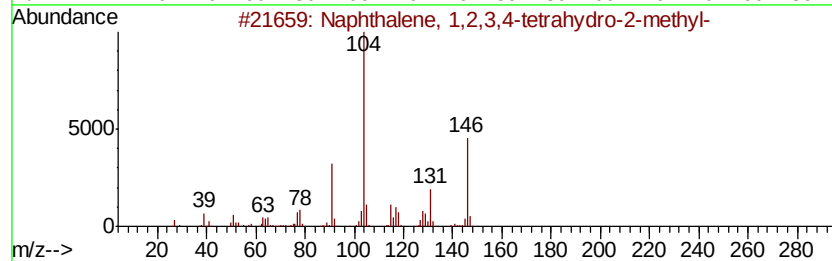
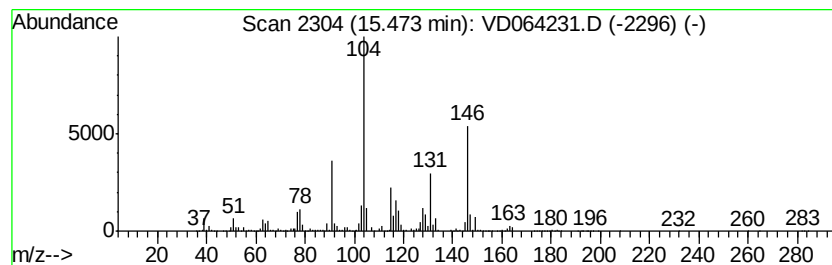
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	676.88 ug/l	54961900	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3		5H-Benzocycloheptene, 6,7,8,9-tet...	146	C11H14	001075-16-7	59
4		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
5		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111519\
Data File : VD064231.D
Acq On : 15 Nov 2019 17:02
Operator : VA/SY
Sample : K5864-07
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

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
Benzene, 1,3-diet...	13.74	515.4	ug/l	41847900	4	13.58	4059930	50.0
Naphthalene, deca...	13.91	976.5	ug/l	79286100	4	13.58	4059930	50.0
Benzene, 2-ethyl-...	14.13	562.7	ug/l	45689700	4	13.58	4059930	50.0
1-Phenyl-1-butene	14.24	622.1	ug/l	50514500	4	13.58	4059930	50.0
Naphthalene, deca...	14.42	741.5	ug/l	60212700	4	13.58	4059930	50.0
Undecane, 2,6-dim...	14.88	1014.1	ug/l	82345800	4	13.58	4059930	50.0
unknown15.11	15.11	601.2	ug/l	48813300	4	13.58	4059930	50.0
1H-Indene, 2,3-di...	15.23	631.0	ug/l	51238100	4	13.58	4059930	50.0
Naphthalene, 1,2,...	15.47	676.9	ug/l	54961900	4	13.58	4059930	50.0