

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064093.D
 Acq On : 29 Oct 2019 17:17
 Operator : VA/SY
 Sample : K5140-05
 Misc : 9.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-102519

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\82D102919S.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	168639	409273	4.01%	0.312%
2	7.985	1025	1031	1041	rVB	321237	702530	6.88%	0.536%
3	8.332	1081	1090	1101	rVB3	129884	300137	2.94%	0.229%
4	8.867	1172	1181	1193	rBV	425274	847435	8.29%	0.647%
5	9.355	1252	1264	1270	rBV2	367480	788098	7.71%	0.601%
6	9.979	1364	1370	1374	rBV	212382	400943	3.92%	0.306%
7	10.120	1382	1394	1408	rVB	245929	548763	5.37%	0.419%
8	10.344	1424	1432	1448	rBV2	999499	2145417	21.00%	1.637%
9	10.526	1455	1463	1471	rVB	555637	986805	9.66%	0.753%
10	10.679	1483	1489	1495	rBV2	147483	268717	2.63%	0.205%
11	10.779	1500	1506	1511	rBV2	232673	433357	4.24%	0.331%
12	10.867	1516	1521	1527	rVB2	91478	156601	1.53%	0.120%
13	10.955	1527	1536	1542	rBV2	138276	256830	2.51%	0.196%
14	11.055	1548	1553	1560	rBV	145181	270686	2.65%	0.207%
15	11.126	1560	1565	1568	rVV2	177613	288993	2.83%	0.221%
16	11.167	1568	1572	1573	rVV	147118	230329	2.25%	0.176%
17	11.196	1573	1577	1581	rVV	355398	597770	5.85%	0.456%
18	11.249	1581	1586	1591	rVV2	243843	443772	4.34%	0.339%
19	11.355	1599	1604	1608	rBV2	152388	261585	2.56%	0.200%
20	11.432	1608	1617	1629	rVB3	695680	1871212	18.31%	1.428%
21	11.532	1629	1634	1639	rBV	553720	852252	8.34%	0.650%
22	11.649	1648	1654	1664	rBV	653545	1146011	11.22%	0.875%
23	11.743	1665	1670	1674	rVV2	259174	468555	4.59%	0.358%
24	11.779	1674	1676	1680	rVV	208223	332588	3.26%	0.254%
25	11.855	1680	1689	1699	rVV3	3872018	8865459	86.77%	6.766%
26	11.932	1699	1702	1708	rVB3	464775	780061	7.63%	0.595%
27	11.996	1708	1713	1715	rBV	75951	123651	1.21%	0.094%
28	12.079	1720	1727	1732	rVB5	208432	414272	4.05%	0.316%
29	12.185	1732	1745	1753	rBV2	2015818	5598550	54.79%	4.273%
30	12.273	1753	1760	1764	rVB2	646528	1108489	10.85%	0.846%
31	12.355	1764	1774	1776	rBV4	591451	1227995	12.02%	0.937%
32	12.396	1776	1781	1787	rVV4	687961	1720969	16.84%	1.313%
33	12.479	1791	1795	1797	rBV4	183946	288357	2.82%	0.220%
34	12.538	1800	1805	1806	rVV3	382134	729646	7.14%	0.557%

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35	12.561	1806	1809	1811	rVV	662447	955285	9.35%	0.729%
36	12.591	1811	1814	1817	rVB	774945	998799	9.78%	0.762%
37	12.638	1817	1822	1825	rBV	729396	1109306	10.86%	0.847%
38	12.673	1825	1828	1832	rVB	701642	890377	8.71%	0.680%
39	12.720	1832	1836	1841	rVB3	232911	344748	3.37%	0.263%
40	12.808	1846	1851	1857	rVB6	509183	1124367	11.00%	0.858%
41	12.885	1857	1864	1868	rBV	2670300	4784956	46.83%	3.652%
42	12.955	1871	1876	1882	rVV2	5804973	10217595	100.00%	7.798%
43	13.014	1882	1886	1891	rVB2	663046	1064364	10.42%	0.812%
44	13.126	1891	1905	1912	rBV	1711836	4818937	47.16%	3.678%
45	13.190	1912	1916	1922	rVB3	1347030	2241569	21.94%	1.711%
46	13.273	1923	1930	1935	rBV	3143149	4984704	48.79%	3.804%
47	13.314	1935	1937	1942	rVB2	296559	350395	3.43%	0.267%
48	13.367	1943	1946	1949	rBV2	233656	323480	3.17%	0.247%
49	13.467	1956	1963	1967	rBV5	1384468	2715535	26.58%	2.072%
50	13.514	1967	1971	1974	rVV2	968777	1578229	15.45%	1.204%
51	13.543	1974	1976	1978	rVV2	511191	628644	6.15%	0.480%
52	13.579	1978	1982	1984	rVV	1555882	2293595	22.45%	1.750%
53	13.608	1984	1987	1991	rVV	2048762	3008489	29.44%	2.296%
54	13.649	1991	1994	1999	rVB	760555	979068	9.58%	0.747%
55	13.720	2000	2006	2007	rBV4	264000	446605	4.37%	0.341%
56	13.779	2011	2016	2019	rVV2	1837985	3036442	29.72%	2.317%
57	13.814	2019	2022	2032	rVB2	1115445	2065835	20.22%	1.577%
58	13.902	2032	2037	2042	rBV	4000901	6165546	60.34%	4.705%
59	13.973	2042	2049	2053	rVV2	607836	1289754	12.62%	0.984%
60	14.067	2057	2065	2070	rVV3	916702	2017025	19.74%	1.539%
61	14.120	2070	2074	2079	rVB	1018513	1490906	14.59%	1.138%
62	14.161	2079	2081	2088	rVB3	390009	717597	7.02%	0.548%
63	14.232	2088	2093	2098	rBV3	1235402	2061576	20.18%	1.573%
64	14.290	2099	2103	2109	rVB6	357917	667449	6.53%	0.509%
65	14.373	2109	2117	2119	rBV5	641636	1383178	13.54%	1.056%
66	14.414	2120	2124	2128	rVV3	873259	1334363	13.06%	1.018%
67	14.455	2128	2131	2134	rVV4	282649	326958	3.20%	0.250%
68	14.485	2134	2136	2140	rVB	658665	779406	7.63%	0.595%
69	14.532	2140	2144	2147	rBV2	674302	841715	8.24%	0.642%
70	14.573	2147	2151	2157	rVB3	564602	889184	8.70%	0.679%
71	14.632	2157	2161	2164	rBV4	301356	489863	4.79%	0.374%

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72	14.673	2165	2168	2171	rVB	289075	371784	3.64%	0.284%
73	14.720	2171	2176	2178	rBV2	567996	859834	8.42%	0.656%
74	14.755	2178	2182	2188	rVB2	1622561	2525832	24.72%	1.928%
75	14.837	2188	2196	2200	rBV4	1855295	4312423	42.21%	3.291%
76	14.990	2217	2222	2229	rVB	1258121	2190802	21.44%	1.672%
77	15.102	2236	2241	2245	rBV4	438532	693150	6.78%	0.529%
78	15.137	2245	2247	2253	rVB3	170142	243815	2.39%	0.186%
79	15.214	2254	2260	2269	rVB3	469317	1166092	11.41%	0.890%
80	15.290	2271	2273	2281	rVB5	400650	724316	7.09%	0.553%
81	15.373	2281	2287	2295	rBV5	604740	1173431	11.48%	0.896%
82	15.461	2298	2302	2307	rBV	363738	527338	5.16%	0.402%
83	15.514	2308	2311	2315	rBV5	257088	417108	4.08%	0.318%
84	15.602	2322	2326	2336	rVB4	797706	1558837	15.26%	1.190%
85	15.702	2336	2343	2350	rBV5	506194	1402334	13.72%	1.070%
86	15.779	2354	2356	2363	rVV7	239933	417636	4.09%	0.319%
87	15.879	2367	2373	2375	rVV6	284153	641222	6.28%	0.489%
88	15.914	2375	2379	2386	rVB	780328	1456043	14.25%	1.111%
89	16.079	2400	2407	2415	rBV7	232143	651527	6.38%	0.497%
90	16.237	2425	2434	2439	rBV5	423412	1069393	10.47%	0.816%
91	16.355	2450	2454	2459	rVV4	104028	172483	1.69%	0.132%
92	16.432	2462	2467	2474	rVV3	316904	700145	6.85%	0.534%
93	16.496	2475	2478	2483	rVV5	109417	183726	1.80%	0.140%
94	16.561	2485	2489	2495	rVB3	166265	290219	2.84%	0.221%

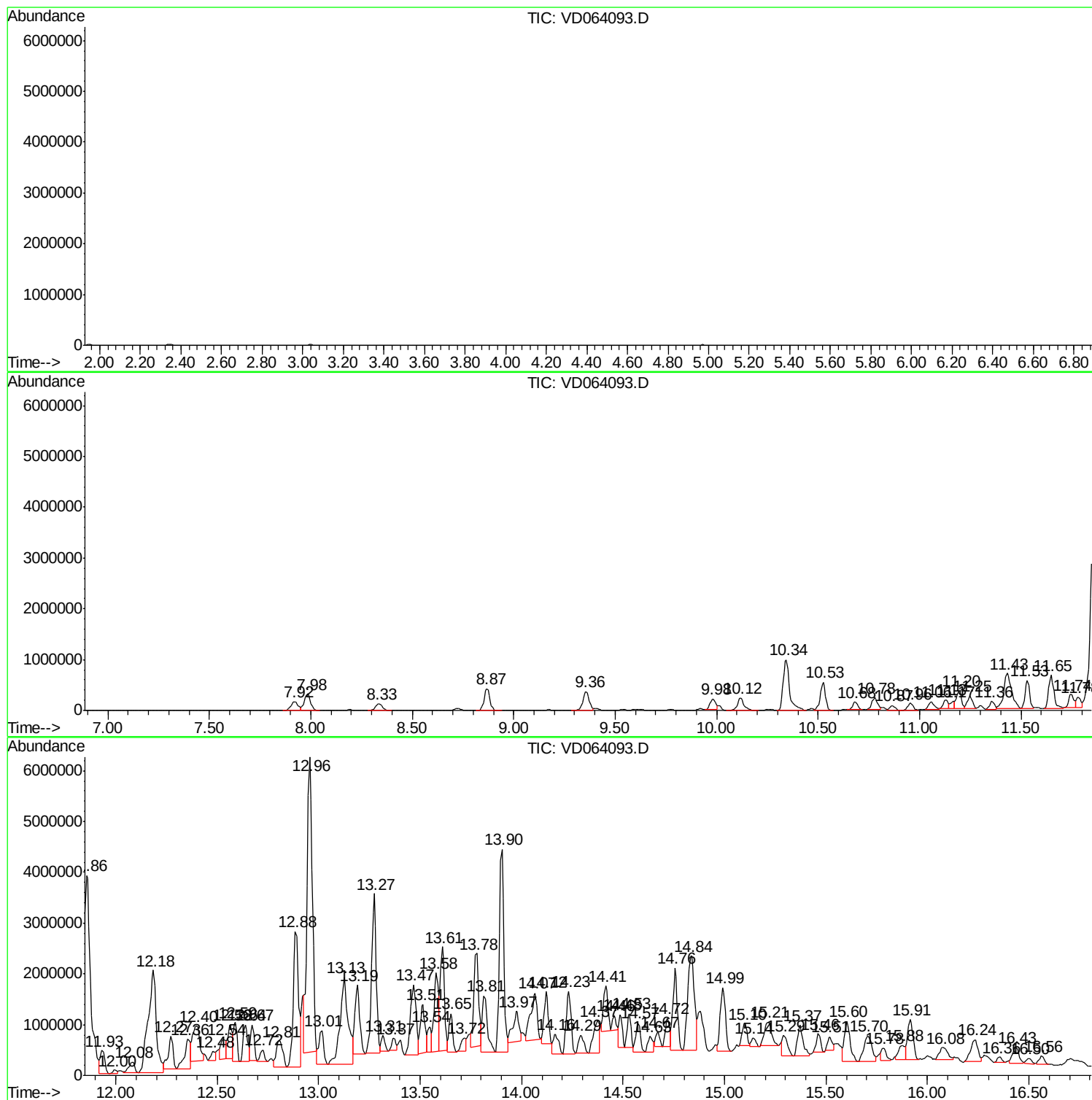
Sum of corrected areas: 131031442

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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



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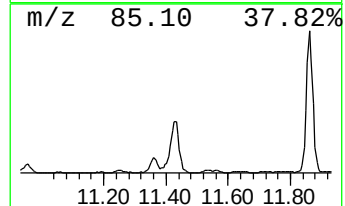
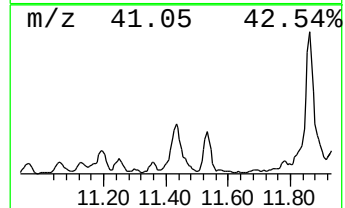
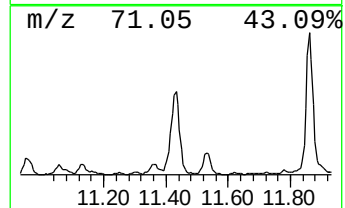
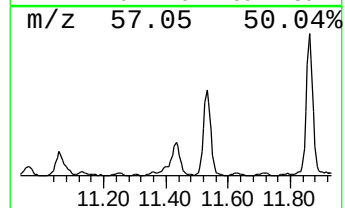
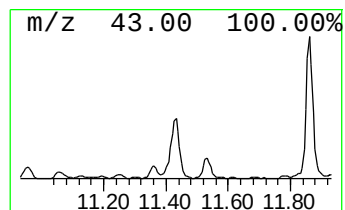
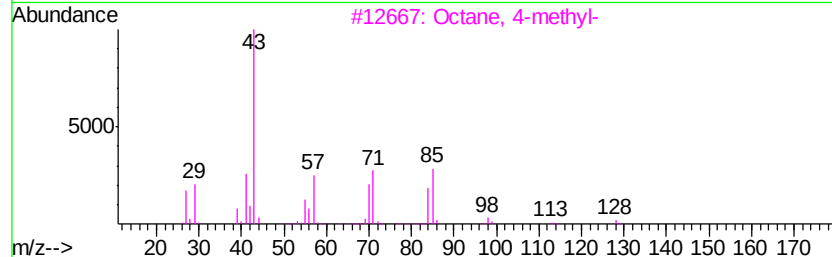
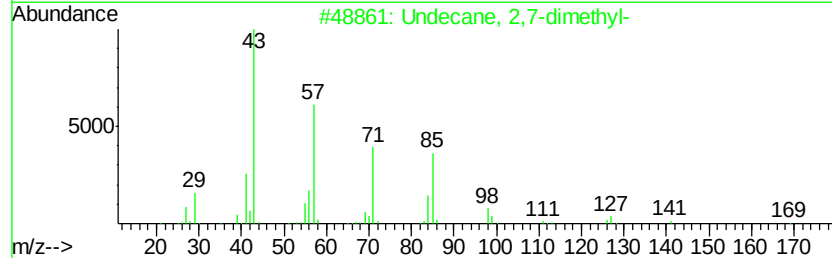
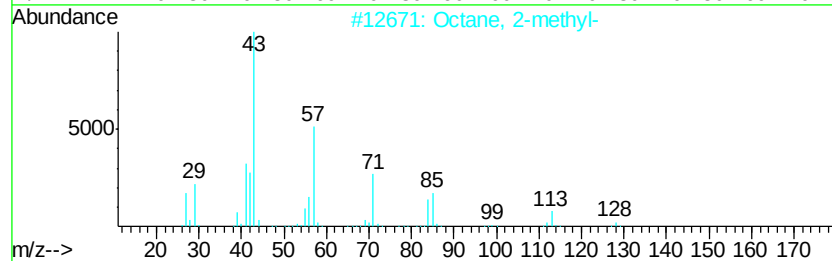
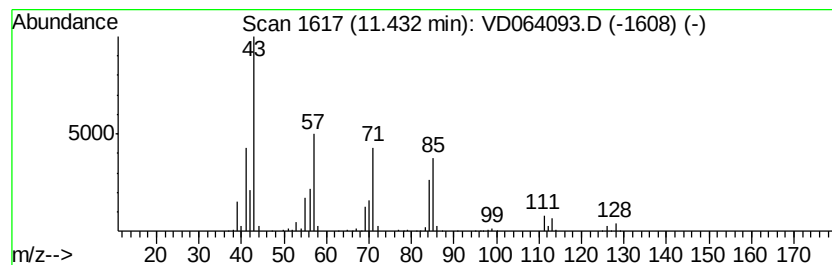
Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.43	81.64 ug/l	1871210	Chlorobenzene-d5	11.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	53
3	Octane, 4-methyl-	128	C9H20	002216-34-4	53
4	Octane	114	C8H18	000111-65-9	52
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50



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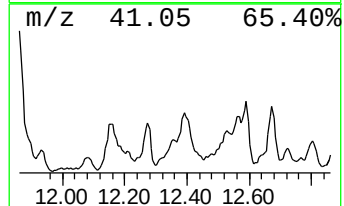
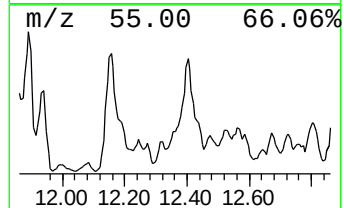
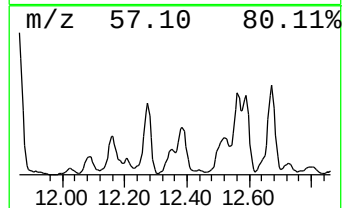
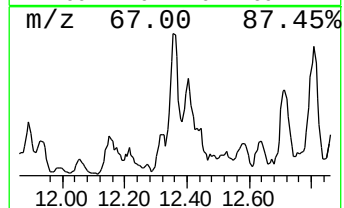
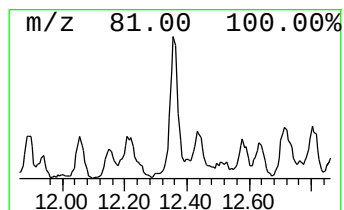
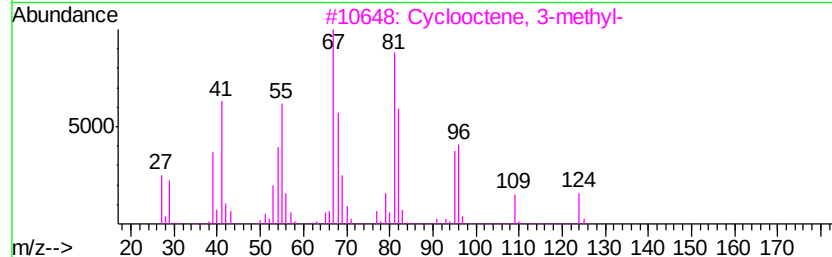
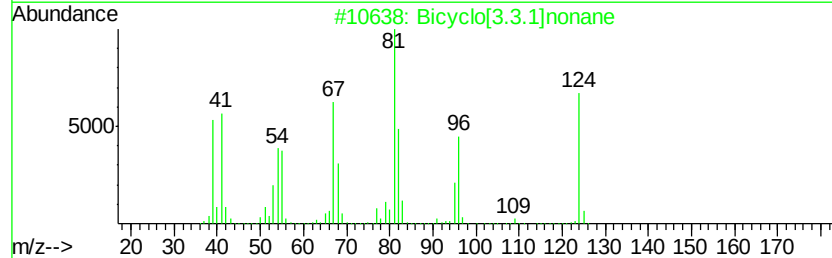
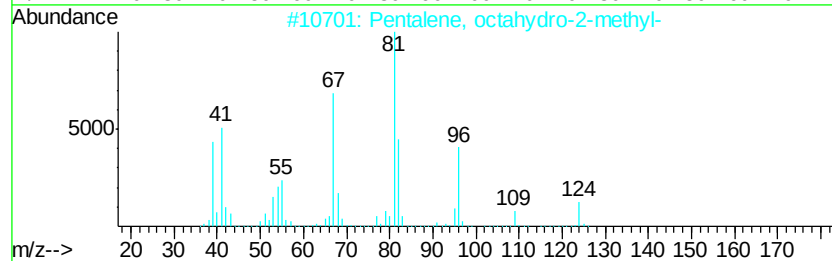
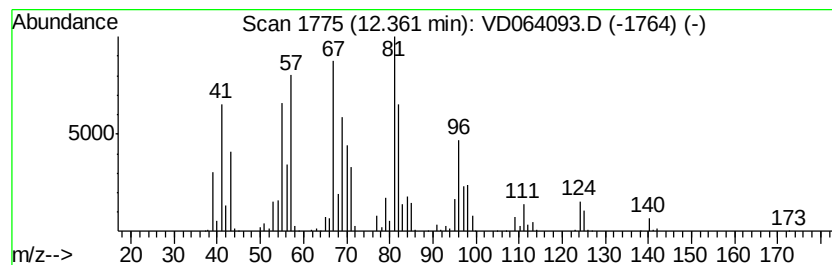
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Pentalene, octahydro-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	53.58 ug/l	1228000	Chlorobenzene-d5	11.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	86
2		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	62
3		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	52
4		1-Methylcyclooctene	124	C9H16	000933-11-9	46
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	43



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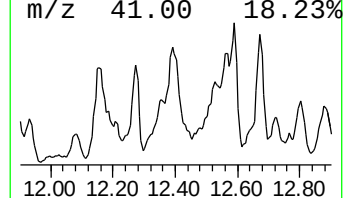
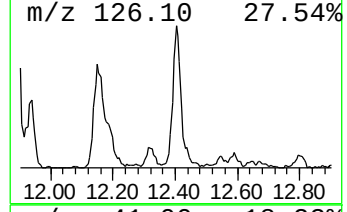
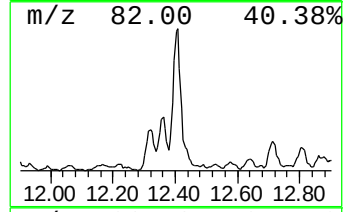
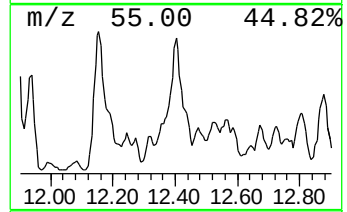
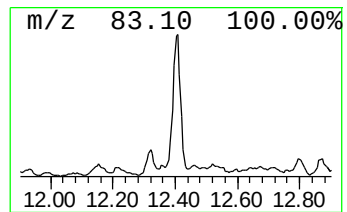
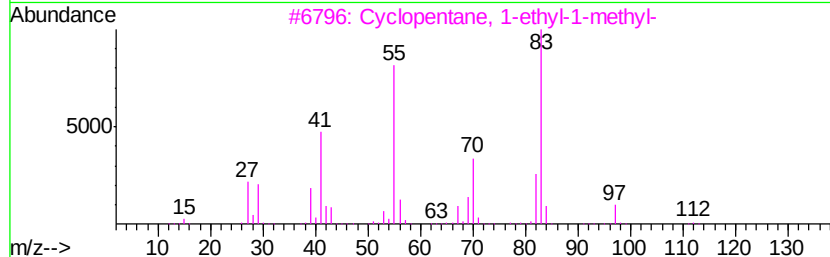
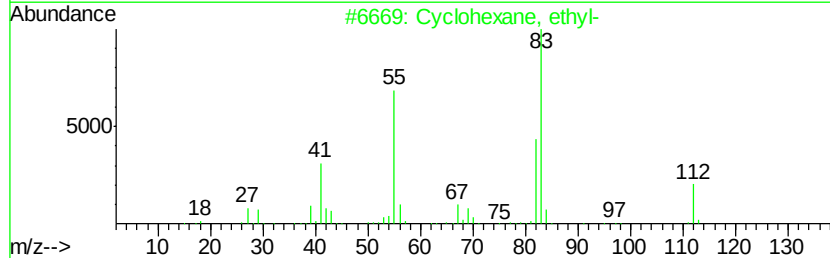
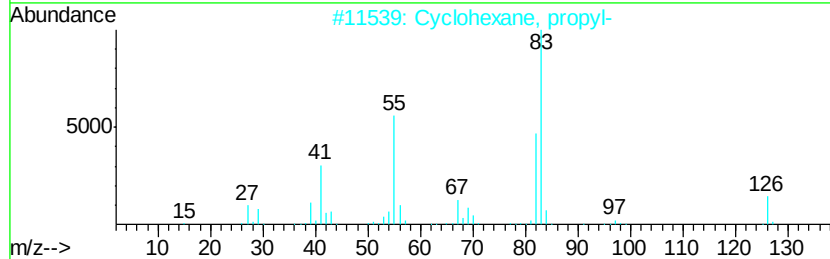
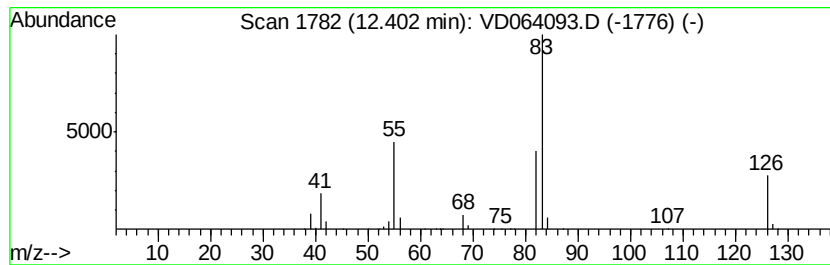
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.40	75.09 ug/l	1720970	Chlorobenzene-d5	11.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59
4		Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	53
5		Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	42



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Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

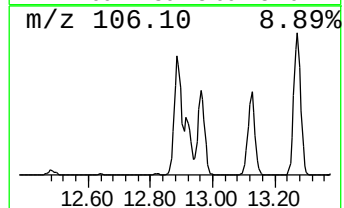
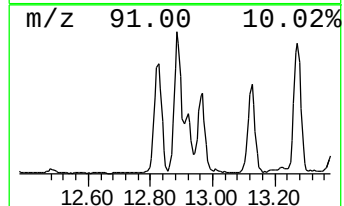
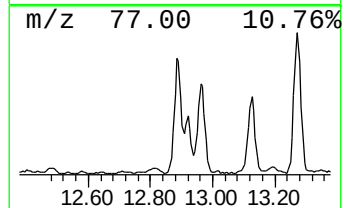
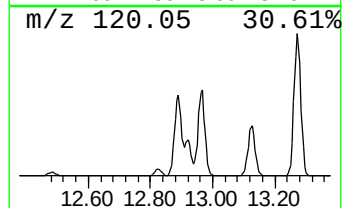
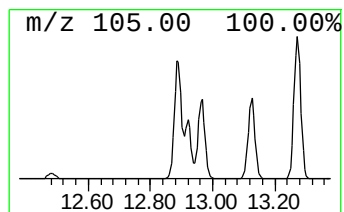
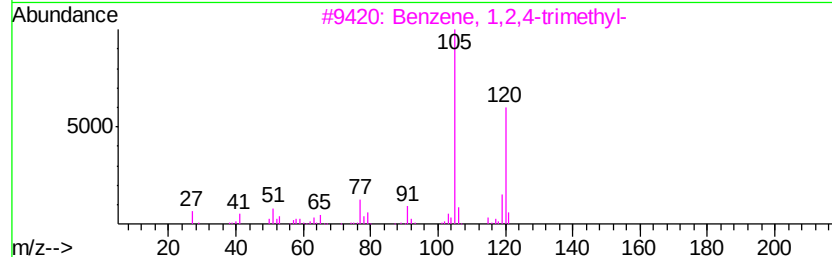
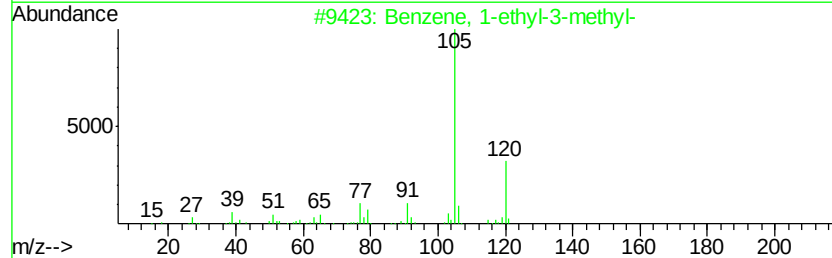
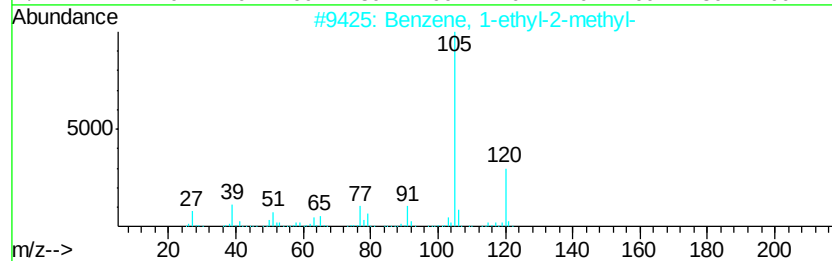
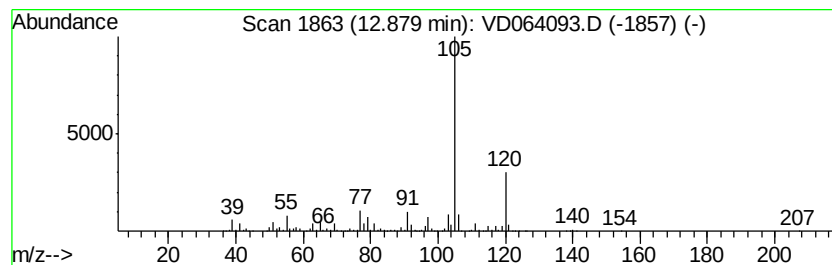
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	104.31 ug/l	4784960	1,4-Dichlorobenzene-d4	13.58

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	90
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Mesitylene	120	C9H12	000108-67-8	90



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

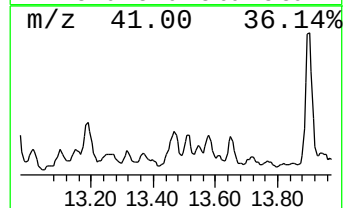
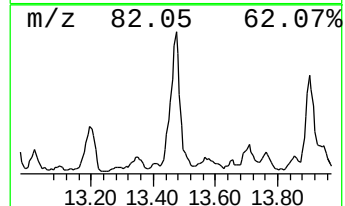
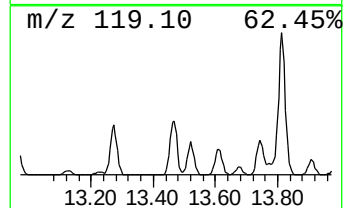
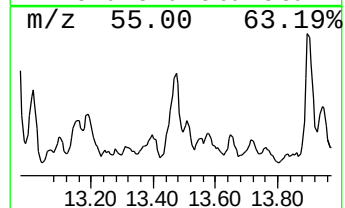
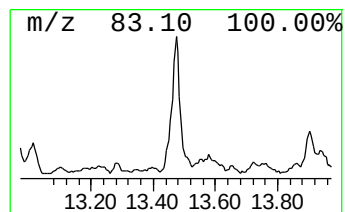
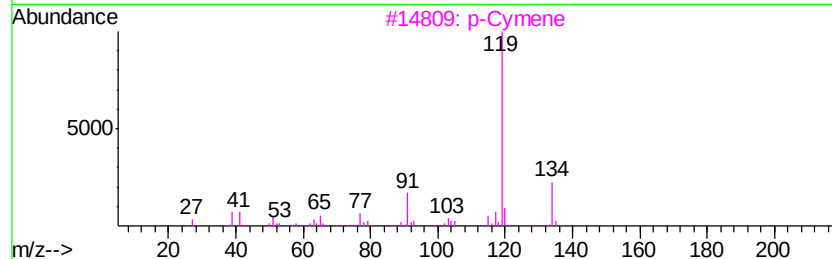
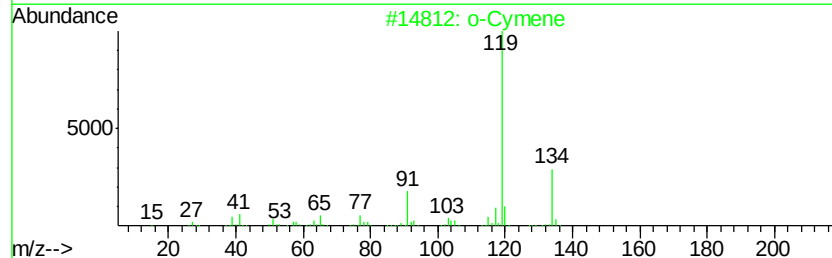
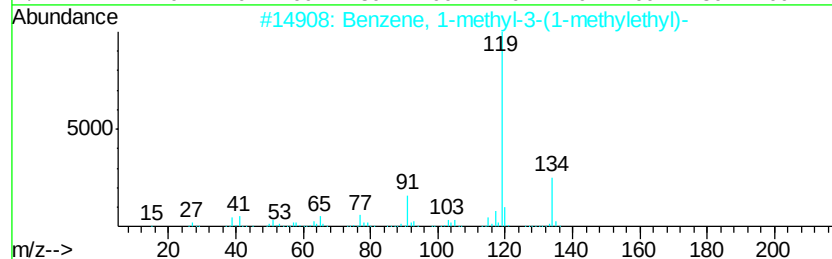
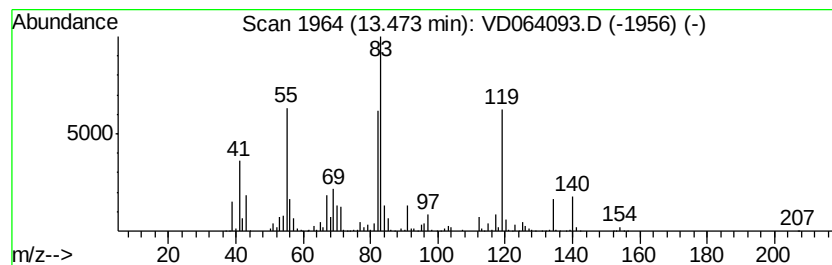
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	59.20 ug/l	2715540	1,4-Dichlorobenzene-d4	13.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86
2		o-Cymene	134	C10H14	000527-84-4	83
3		p-Cymene	134	C10H14	000099-87-6	83
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	45
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	42



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

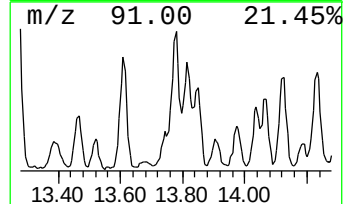
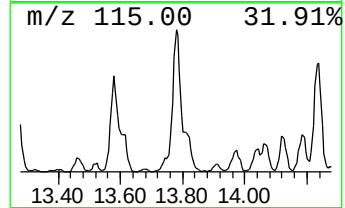
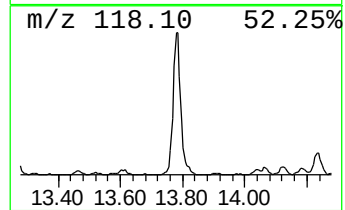
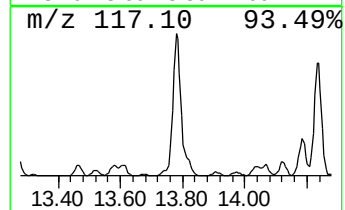
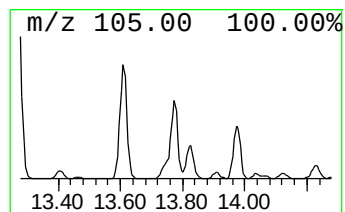
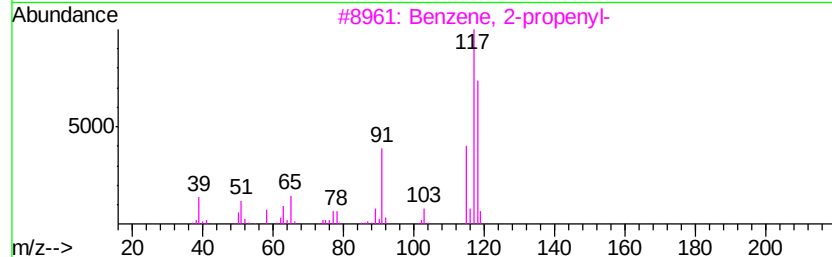
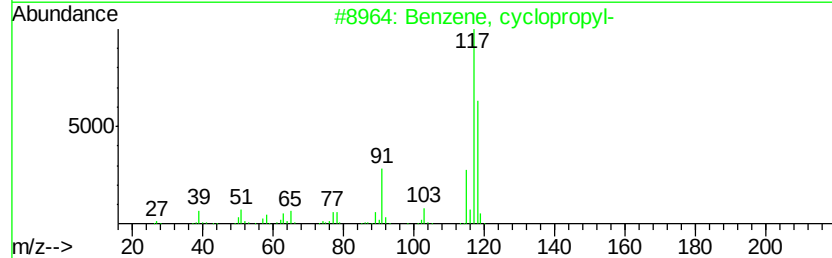
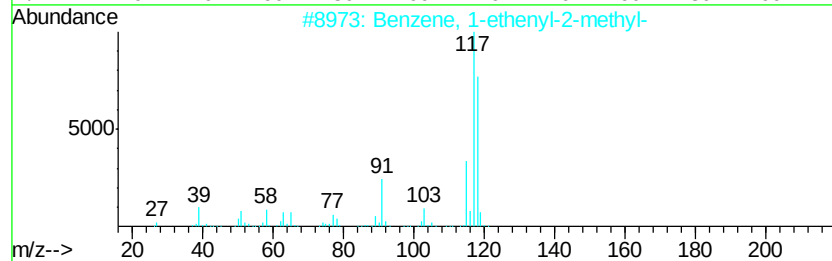
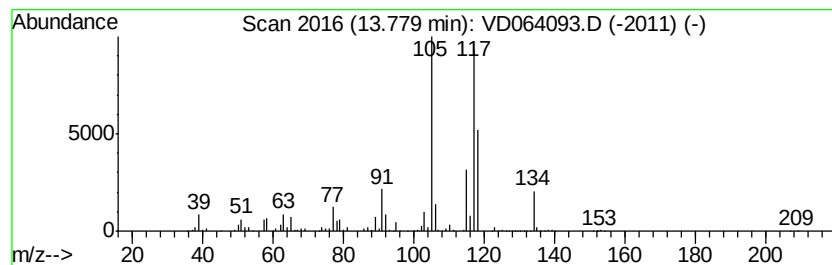
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	66.19 ug/l	3036440	1,4-Dichlorobenzene-d4	13.58

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
2			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3			Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
4			Bicyclo[4.2.0]octa-1,3,5-triene, ...	118	C9H10	055337-80-9	60
5			Benzene, 1-propenyl-	118	C9H10	000637-50-3	60



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

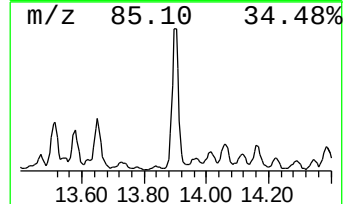
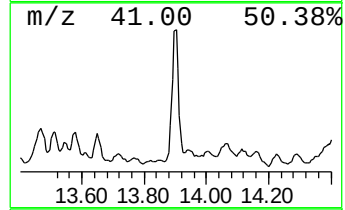
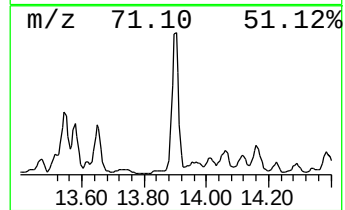
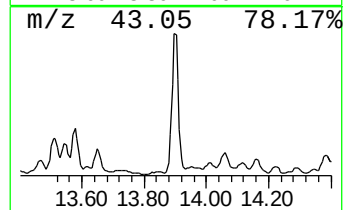
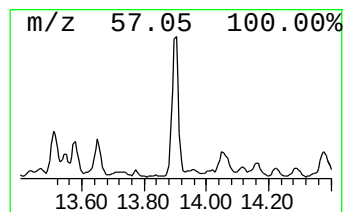
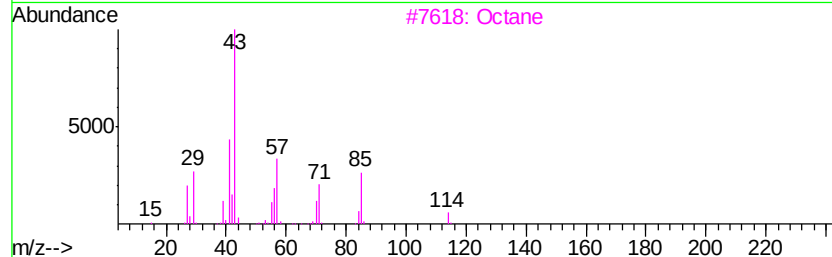
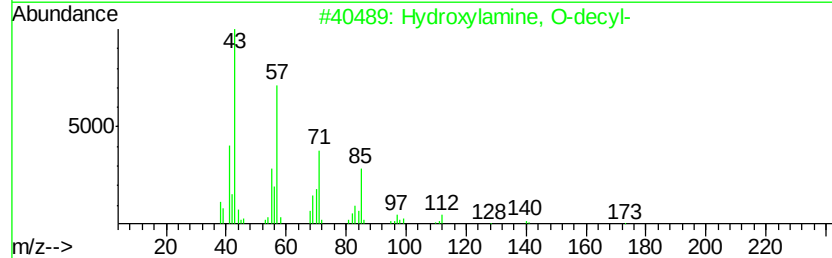
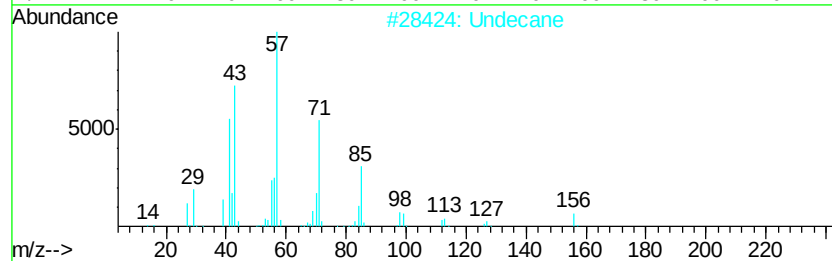
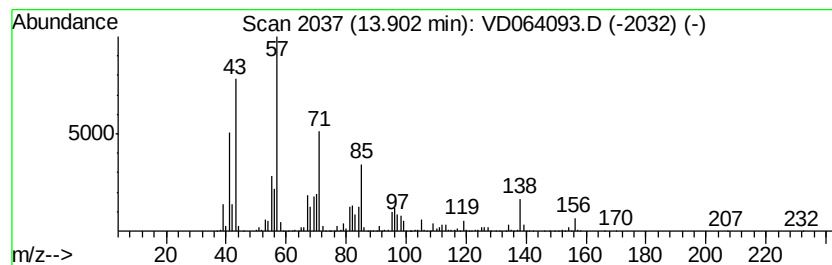
Instrument :
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ClientSampleId :
HR-06-102519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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

Peak Number 8 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	134.41 ug/l	6165550	1,4-Dichlorobenzene-d4	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane		156 C11H24	001120-21-4 70
2	Hydroxylamine, O-decyl-		173 C10H23NO	029812-79-1 58
3	Octane		114 C8H18	000111-65-9 49
4	Oxalic acid, isobutyl pentyl ester		216 C11H20O4	1000309-37-0 47
5	Tridecane		184 C13H28	000629-50-5 47



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

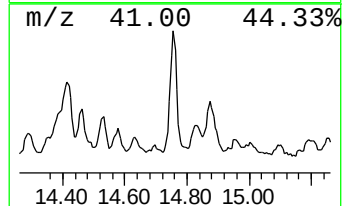
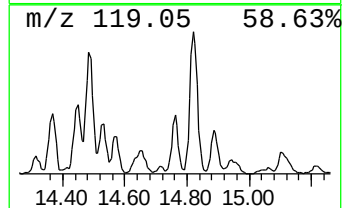
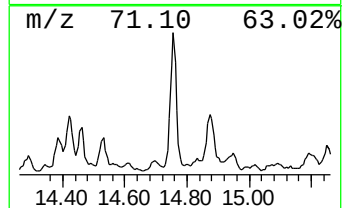
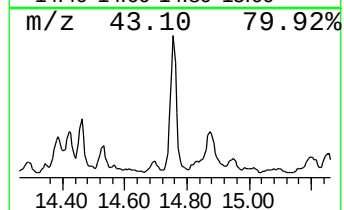
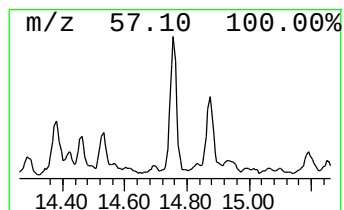
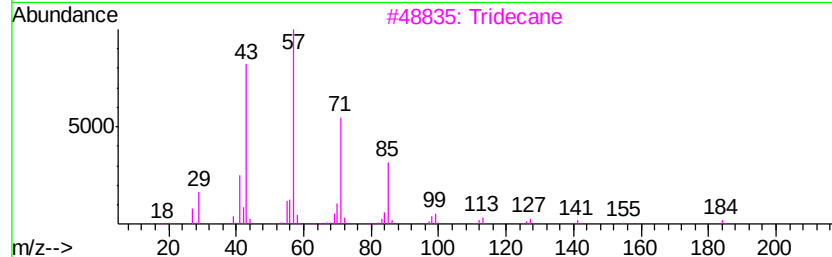
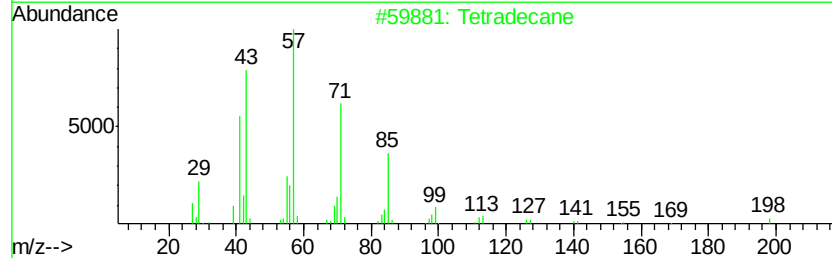
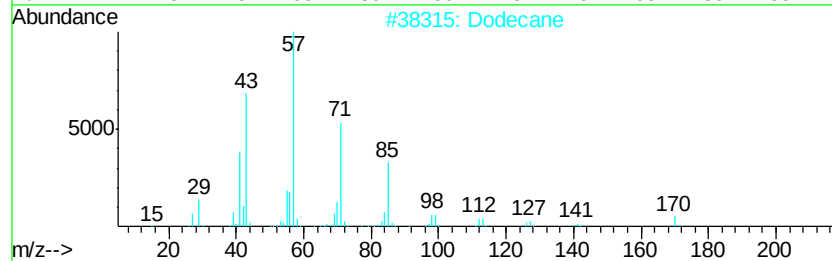
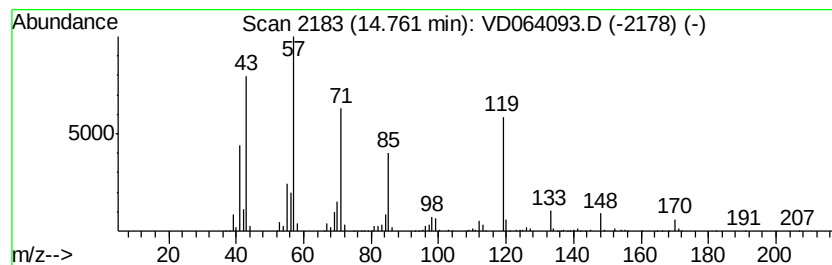
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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

Peak Number 9 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	55.06 ug/l	2525830	1,4-Dichlorobenzene-d4	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	83
2	Tetradecane	198 C14H30	000629-59-4	52
3	Tridecane	184 C13H28	000629-50-5	52
4	Hexadecane	226 C16H34	000544-76-3	49
5	Decane, 2,9-dimethyl-	170 C12H26	001002-17-1	47



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-06-102519

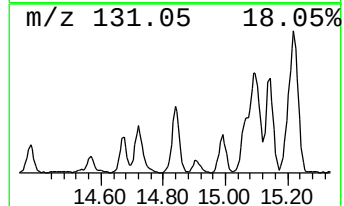
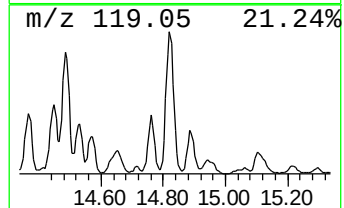
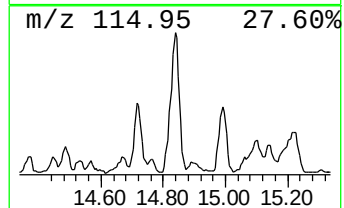
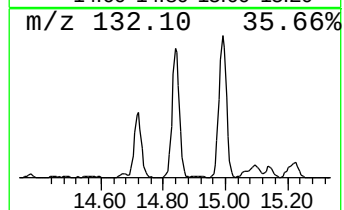
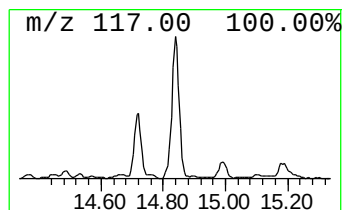
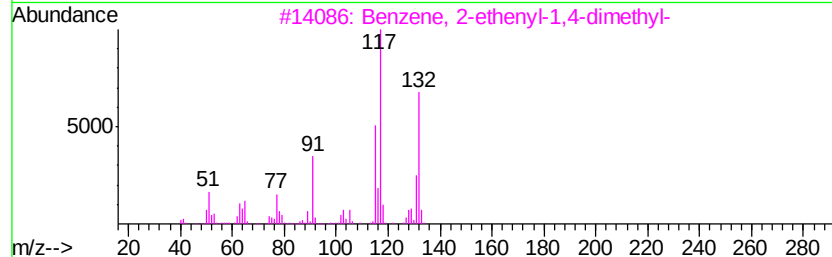
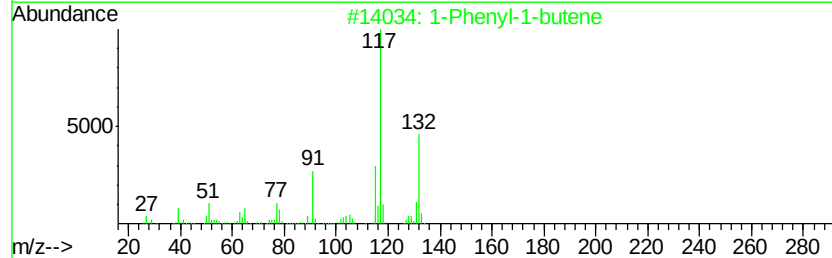
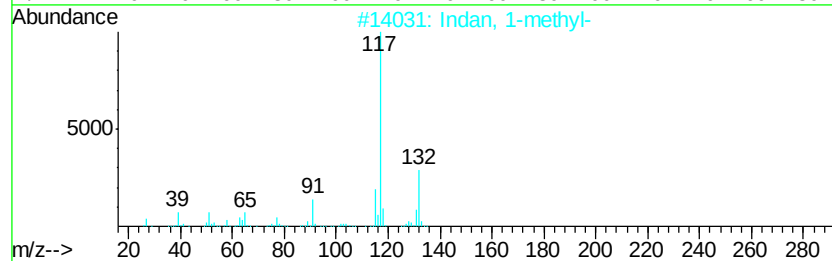
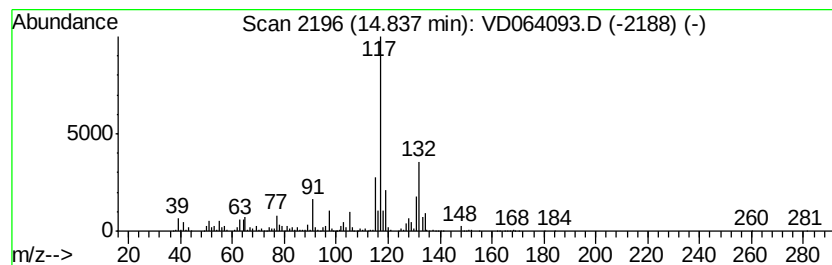
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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

Peak Number 10 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	94.01 ug/l	4312420	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064093.D
Acq On : 29 Oct 2019 17:17
Operator : VA/SY
Sample : K5140-05
Misc : 9.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Pentalene, octahy...	12.36	53.6	ug/l	1228000	3	11.65	1146010	50.0
Cyclohexane, propyl-	12.40	75.1	ug/l	1720970	3	11.65	1146010	50.0
Benzene, 1-ethyl-...	12.88	104.3	ug/l	4784960	4	13.58	2293600	50.0
Benzene, 1-methyl...	13.47	59.2	ug/l	2715540	4	13.58	2293600	50.0
Benzene, 1-etheny...	13.78	66.2	ug/l	3036440	4	13.58	2293600	50.0
Undecane	13.90	134.4	ug/l	6165550	4	13.58	2293600	50.0
Dodecane	14.76	55.1	ug/l	2525830	4	13.58	2293600	50.0
Indan, 1-methyl-	14.84	94.0	ug/l	4312420	4	13.58	2293600	50.0