

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068592.D
 Acq On : 11 Mar 2021 18:30
 Operator : VA/SY
 Sample : M1642-03
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CSB-6-8-8.5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Title : SW846 8260

Signal : TIC: VD068592.D\data.ms

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	358976	879848	3.44%	0.474%
2	7.979	1025	1030	1040	rVB	626919	1392057	5.44%	0.750%
3	8.332	1082	1090	1100	rBV	303172	682816	2.67%	0.368%
4	8.867	1173	1181	1192	rBV	953977	1918936	7.51%	1.034%
5	10.344	1424	1432	1448	rBV	1521595	2921699	11.43%	1.575%
6	11.444	1611	1619	1628	rVB4	232774	639371	2.50%	0.345%
7	11.526	1629	1633	1638	rBV	205032	321729	1.26%	0.173%
8	11.644	1646	1653	1665	rBV	1395913	2451975	9.59%	1.322%
9	11.779	1670	1676	1680	rBV	449728	803563	3.14%	0.433%
10	11.855	1680	1689	1698	rBV2	4468532	9326186	36.48%	5.027%
11	11.932	1698	1702	1707	rVB	830448	1418814	5.55%	0.765%
12	11.991	1707	1712	1719	rBV3	212051	536265	2.10%	0.289%
13	12.073	1720	1726	1731	rVB3	355195	684385	2.68%	0.369%
14	12.149	1731	1739	1751	rBV3	2595916	7249877	28.36%	3.908%
15	12.267	1751	1759	1763	rVB	2674875	4050055	15.84%	2.183%
16	12.314	1763	1767	1769	rBV2	651338	928756	3.63%	0.501%
17	12.355	1769	1774	1775	rBV3	1057478	1418988	5.55%	0.765%
18	12.396	1775	1781	1790	rVB5	2923399	7273841	28.45%	3.921%
19	12.467	1790	1793	1797	rBV2	517758	758338	2.97%	0.409%
20	12.520	1798	1802	1804	rBV5	674838	964203	3.77%	0.520%
21	12.555	1805	1808	1811	rBV	1383580	1719903	6.73%	0.927%
22	12.632	1816	1821	1824	rBV2	1740372	2850106	11.15%	1.536%
23	12.667	1824	1827	1831	rVV	1186160	1547596	6.05%	0.834%
24	12.714	1832	1835	1839	rVB4	469269	624562	2.44%	0.337%
25	12.796	1845	1849	1855	rVB2	2052338	3782200	14.79%	2.039%
26	12.873	1855	1862	1866	rBV4	1427116	3035750	11.87%	1.636%
27	12.944	1866	1874	1881	rVV3	13705532	25566602	100.00%	13.781%
28	13.008	1881	1885	1890	rVB	1861775	3141095	12.29%	1.693%
29	13.061	1890	1894	1895	rBV2	404920	497780	1.95%	0.268%
30	13.096	1895	1900	1903	rVV	1226803	2010456	7.86%	1.084%
31	13.144	1903	1908	1910	rVV3	1245602	2243334	8.77%	1.209%
32	13.179	1910	1914	1922	rVB2	3219377	6073139	23.75%	3.274%
33	13.308	1928	1936	1940	rBV3	665932	1599653	6.26%	0.862%
34	13.355	1940	1944	1948	rVV3	782322	1561537	6.11%	0.842%
35	13.396	1948	1951	1954	rVB2	628332	772573	3.02%	0.416%
36	13.461	1954	1962	1966	rBV4	2839964	6965279	27.24%	3.754%

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37	13.502	1966	1969	1972	rVV	1535662	2186013	8.55%	1.178%
38	13.538	1972	1975	1977	rVV	703188	995306	3.89%	0.536%
39	13.573	1977	1981	1988	rVB	2703351	4416705	17.28%	2.381%
40	13.643	1989	1993	1999	rBV2	1038349	2024267	7.92%	1.091%
41	13.891	2030	2035	2040	rBV	6305721	9570081	37.43%	5.158%
42	13.996	2047	2053	2057	rBV3	490557	879585	3.44%	0.474%
43	14.149	2077	2079	2085	rVB	516739	733369	2.87%	0.395%
44	14.214	2085	2090	2093	rBV6	222651	407691	1.59%	0.220%
45	14.285	2097	2102	2108	rVB4	428707	722651	2.83%	0.390%
46	14.343	2108	2112	2113	rBV3	323997	435262	1.70%	0.235%
47	14.402	2114	2122	2127	rVV5	1446122	3370771	13.18%	1.817%
48	14.449	2127	2130	2137	rVB3	656928	906393	3.55%	0.489%
49	14.520	2137	2142	2145	rBV2	512439	761354	2.98%	0.410%
50	14.567	2145	2150	2154	rVB2	603812	874875	3.42%	0.472%
51	14.620	2155	2159	2165	rVB3	439465	756158	2.96%	0.408%
52	14.685	2166	2170	2173	rBV4	160639	268060	1.05%	0.144%
53	14.743	2175	2180	2188	rBV	4918783	7398953	28.94%	3.988%
54	14.820	2188	2193	2196	rBV2	767603	1314338	5.14%	0.708%
55	14.861	2196	2200	2208	rVB3	2107371	3990529	15.61%	2.151%
56	14.943	2210	2214	2218	rBV7	353604	599618	2.35%	0.323%
57	14.996	2218	2223	2227	rBV4	546692	1105033	4.32%	0.596%
58	15.085	2235	2238	2244	rVB4	488007	771888	3.02%	0.416%
59	15.149	2245	2249	2250	rBV2	273677	341974	1.34%	0.184%
60	15.185	2250	2255	2260	rVV3	958979	2254724	8.82%	1.215%
61	15.238	2261	2264	2267	rVV2	954583	1550912	6.07%	0.836%
62	15.285	2267	2272	2279	rVV5	1640492	3920616	15.33%	2.113%
63	15.355	2279	2284	2291	rVB	2799196	5127773	20.06%	2.764%
64	15.426	2291	2296	2304	rBV7	650531	1739441	6.80%	0.938%
65	15.590	2319	2324	2333	rVB	5732219	9156405	35.81%	4.935%
66	15.667	2333	2337	2339	rBV5	305736	504715	1.97%	0.272%
67	15.773	2351	2355	2363	rVB4	747797	1511091	5.91%	0.815%
68	16.190	2422	2426	2428	rBV2	278839	442260	1.73%	0.238%
69	16.337	2446	2451	2460	rVB	694125	1405050	5.50%	0.757%
70	16.549	2481	2487	2492	rBV	1379239	2466277	9.65%	1.329%

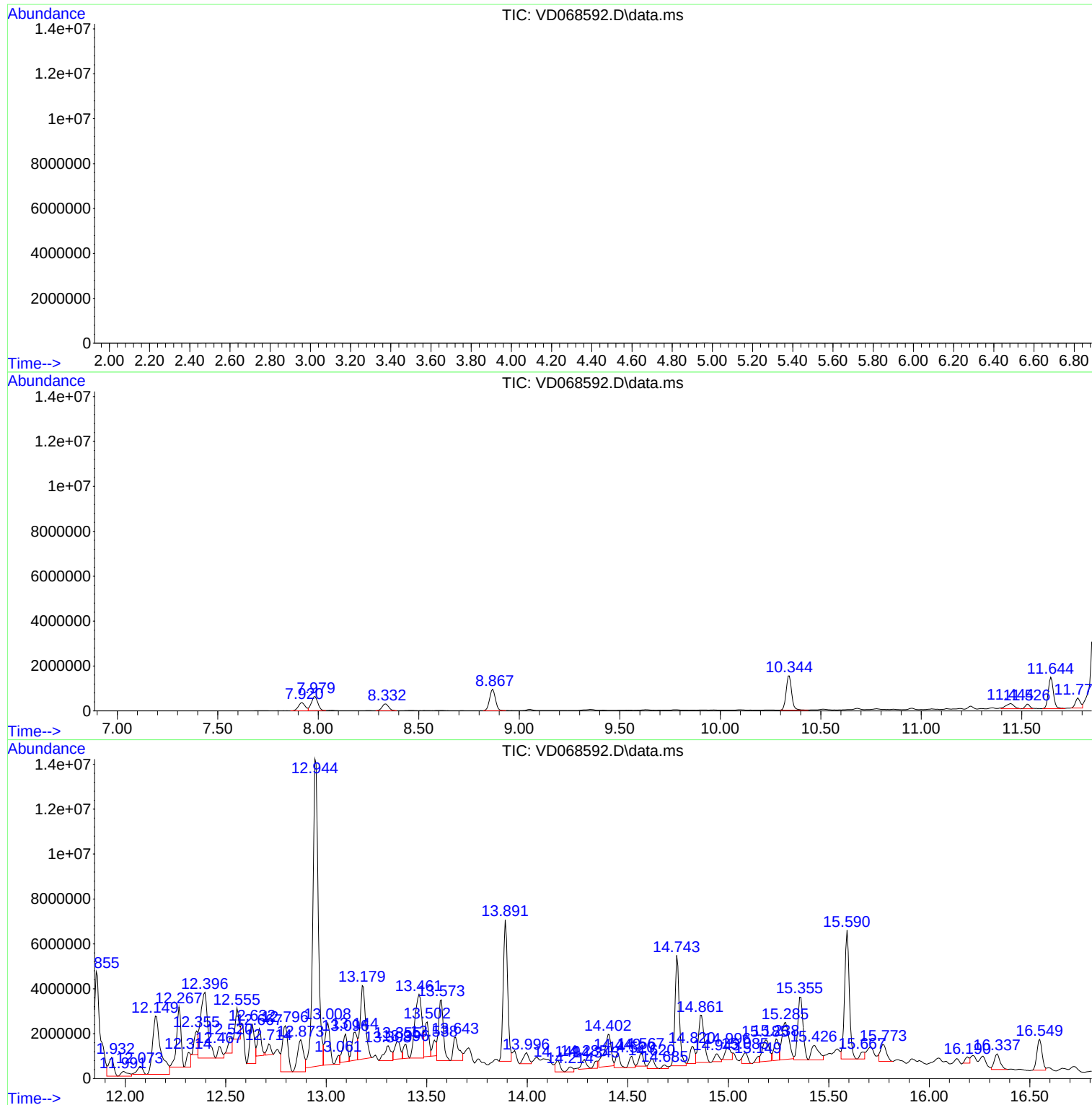
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CSB-6-8-8.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

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



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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CSB-6-8-8.5

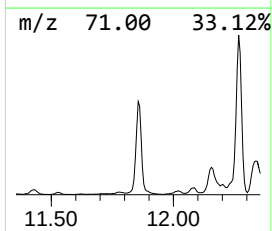
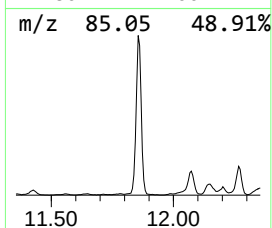
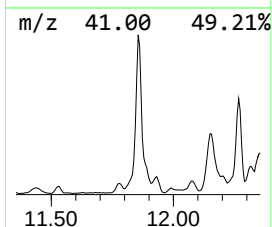
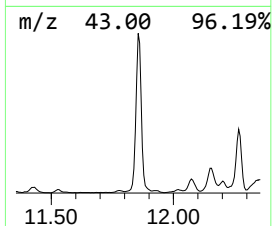
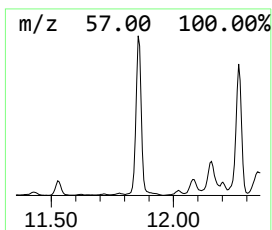
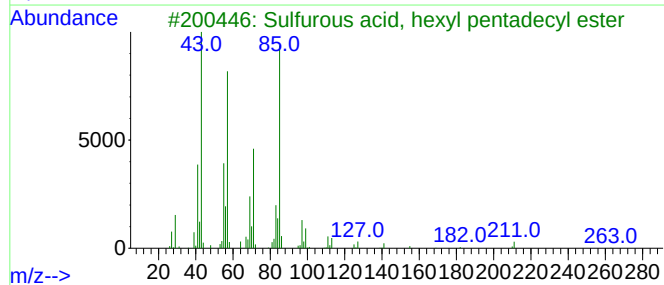
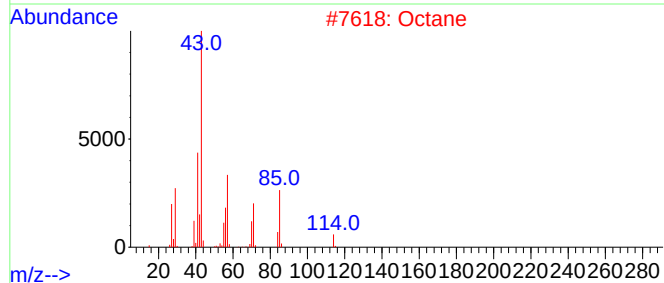
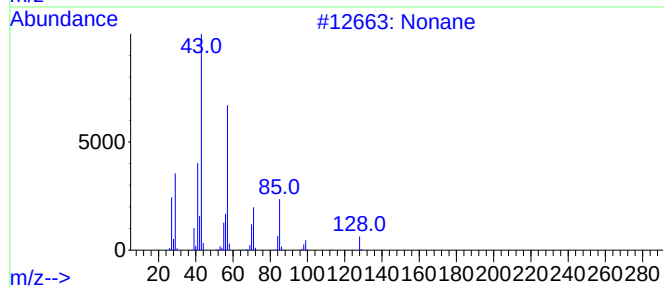
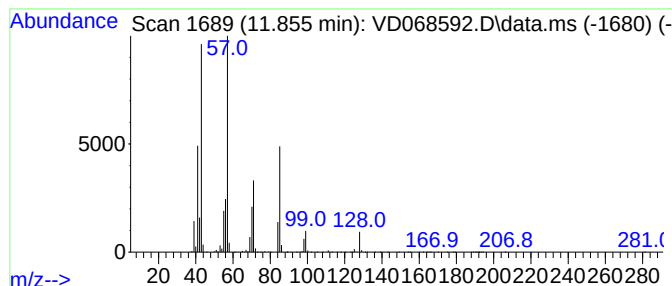
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

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

Peak Number 1 Nonane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.855	190.18 ug/l	9326190	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	94
2			Octane	114	C8H18	000111-65-9	72
3			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	59
4			4,4-Dimethyl octane	142	C10H22	015869-95-1	53
5			Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	50



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Instrument :
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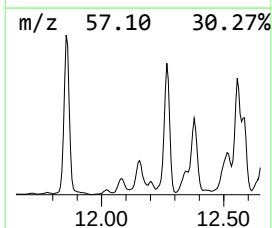
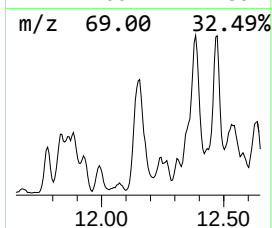
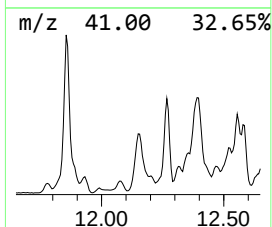
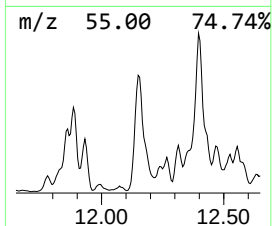
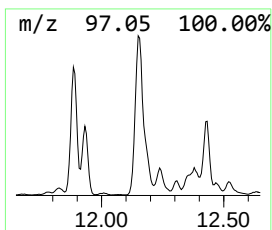
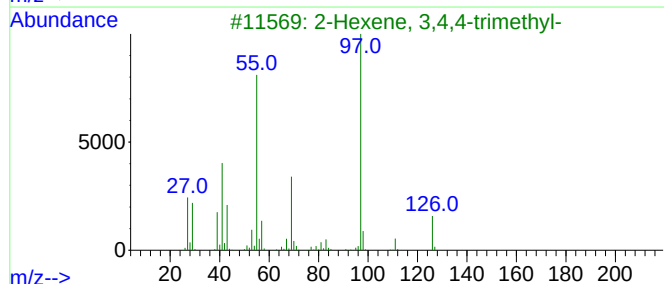
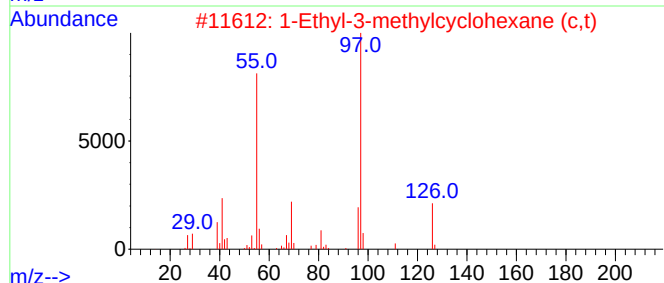
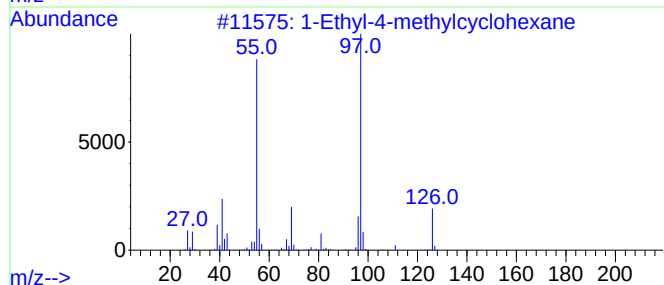
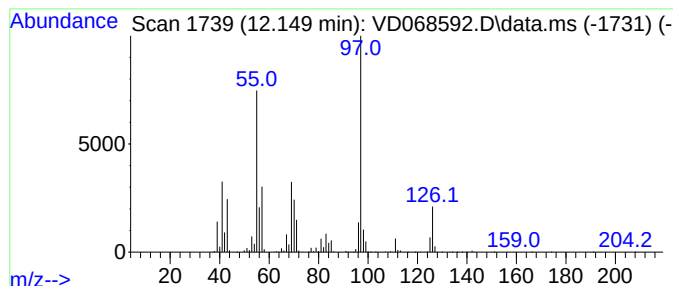
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.149	147.84 ug/l	7249880	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	68
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	58
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
5			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	58



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ALS Vial : 16 Sample Multiplier: 1

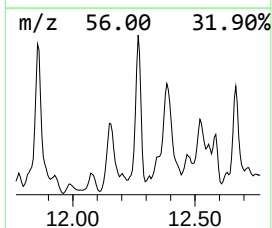
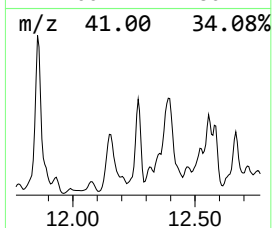
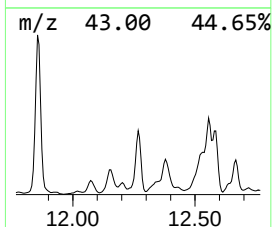
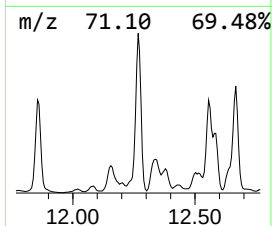
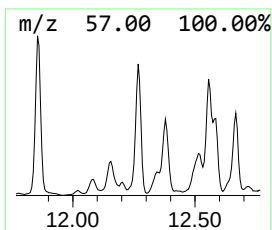
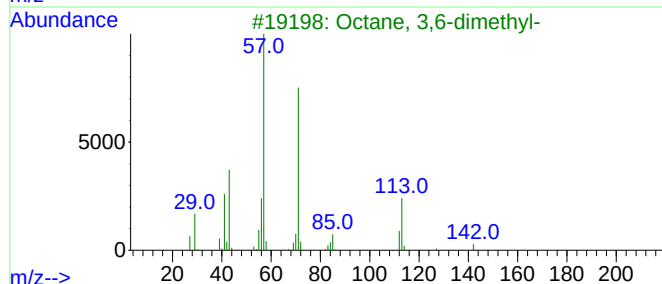
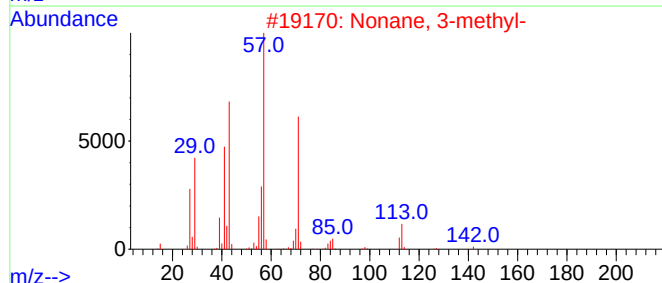
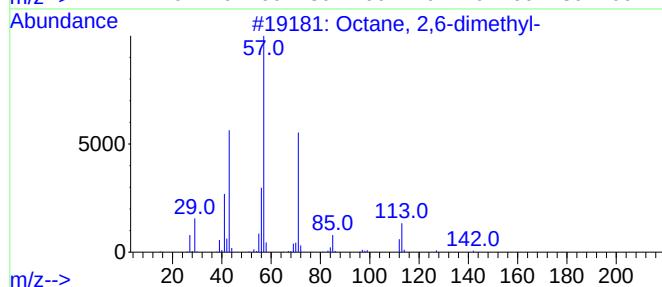
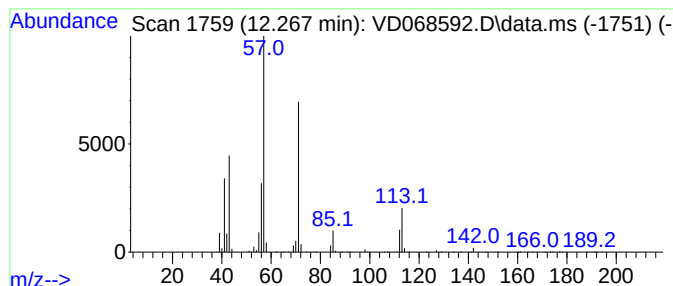
Instrument :
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
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Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.267	82.59 ug/l	4050060	Chlorobenzene-d5	11.644	
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	90
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	72
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



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Instrument :
MSVOA_D
ClientSampleId :
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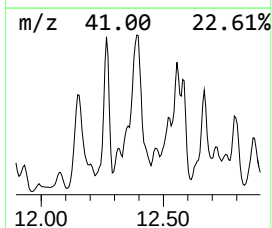
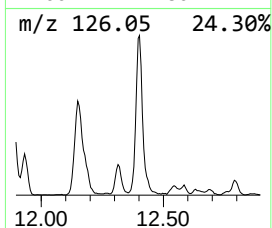
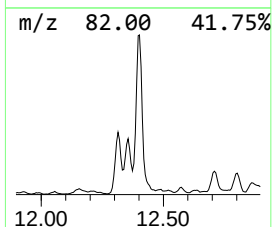
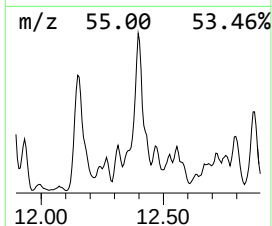
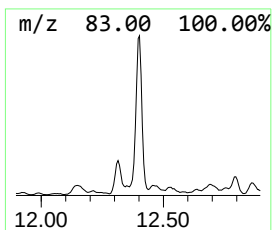
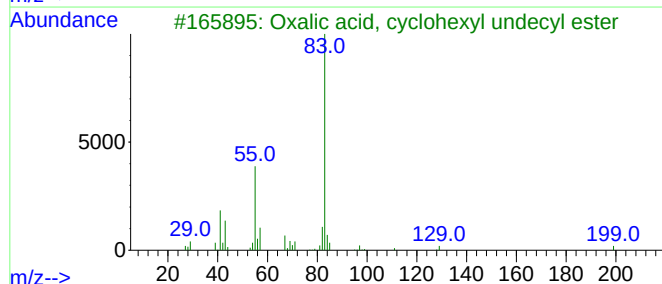
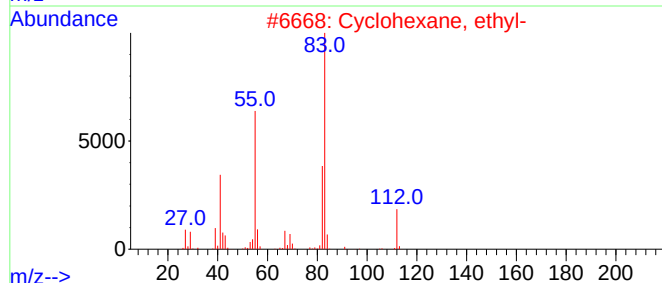
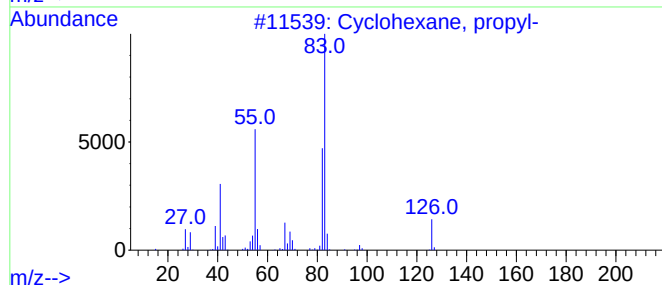
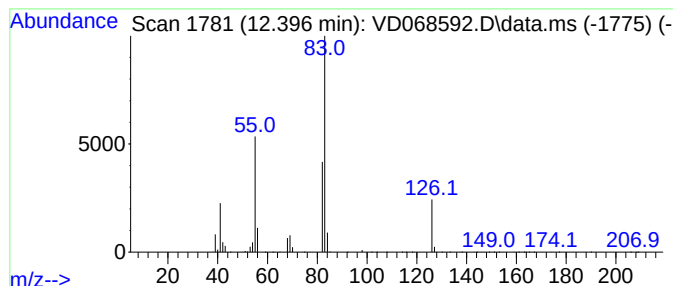
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.397	148.33 ug/l	7273840	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3			Oxalic acid, cyclohexyl undecyl ...	326	C19H34O4	1000309-31-3	53
4			2-Pyrazoline, 1-methyl-4-propyl-	126	C7H14N2	033063-77-3	52
5			Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CSB-6-8-8.5

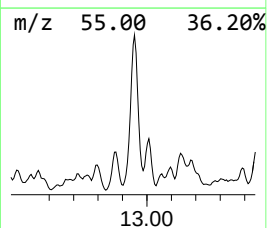
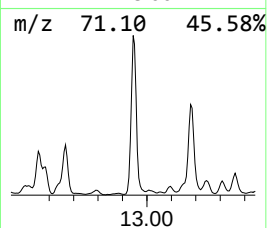
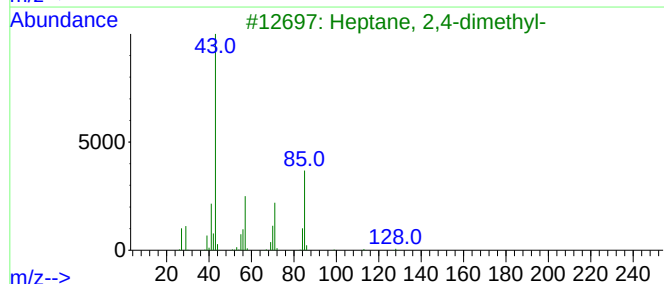
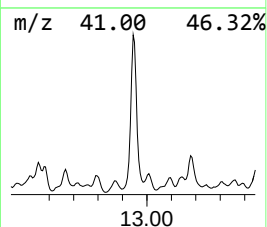
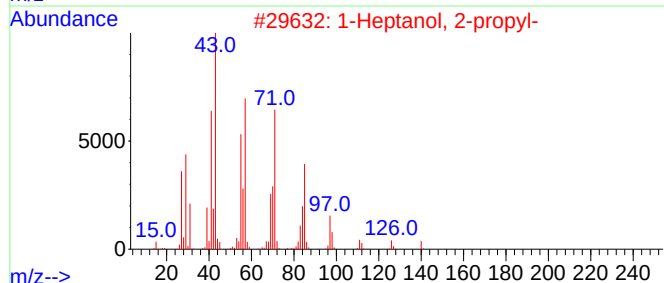
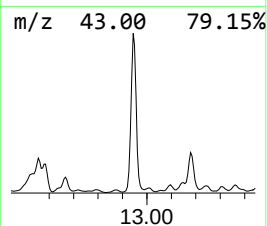
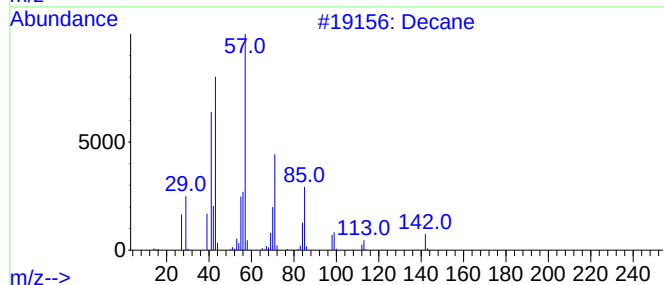
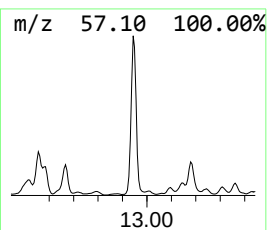
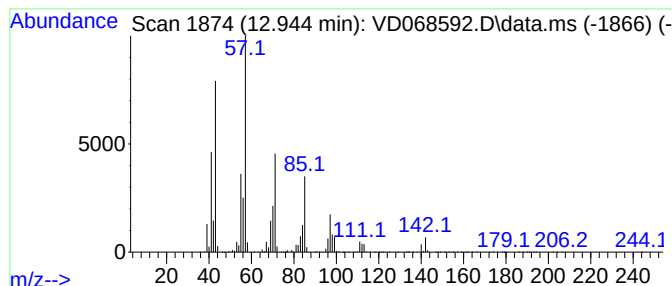
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Quant Title : SW846 8260

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

Peak Number 5 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.944	289.43 ug/l	25566600	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	94
2			1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	72
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4			Nonane	128	C9H20	000111-84-2	64
5			Tetradecane	198	C14H30	000629-59-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CSB-6-8-8.5

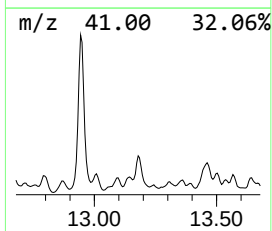
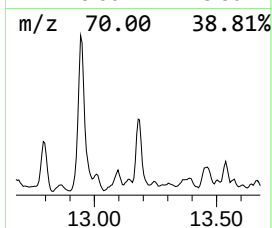
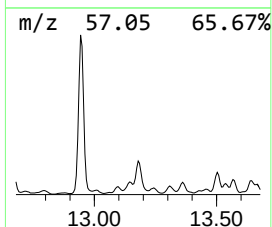
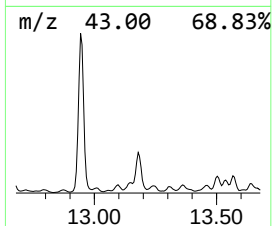
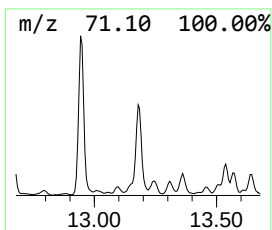
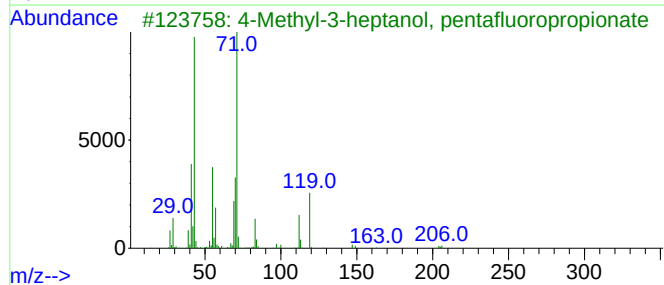
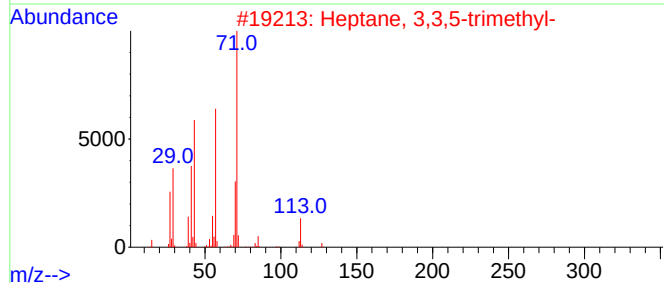
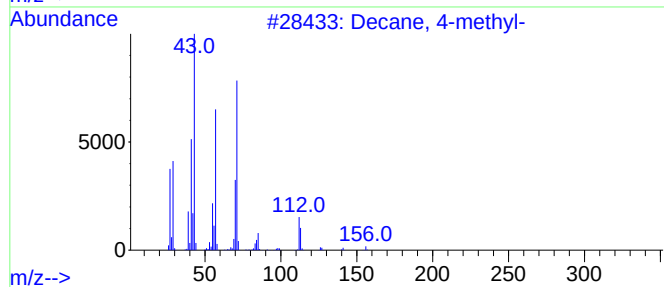
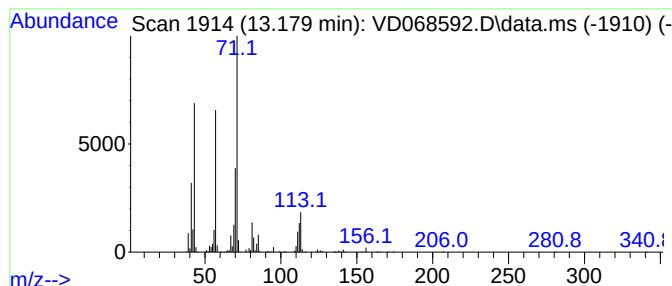
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Quant Title : SW846 8260

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

Peak Number 6 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.179	68.75 ug/l	6073140	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	83
2			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3			4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	59
4			Sulfurous acid, 2-pentyl undecyl...	306	C16H34O3S	1000309-16-0	59
5			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CSB-6-8-8.5

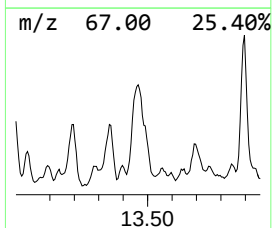
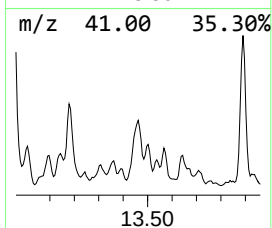
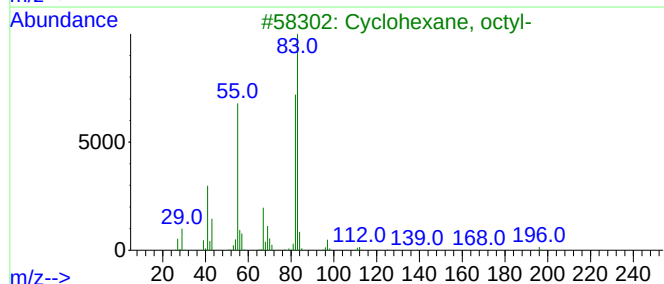
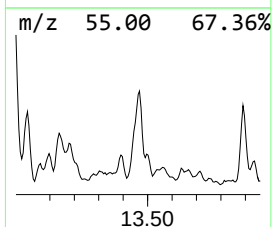
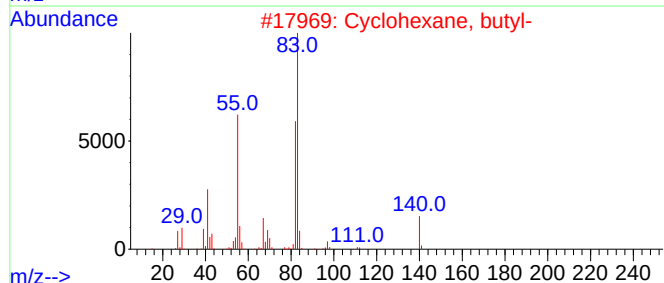
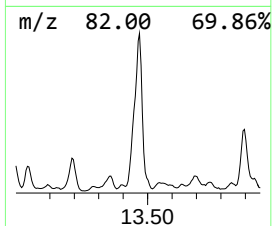
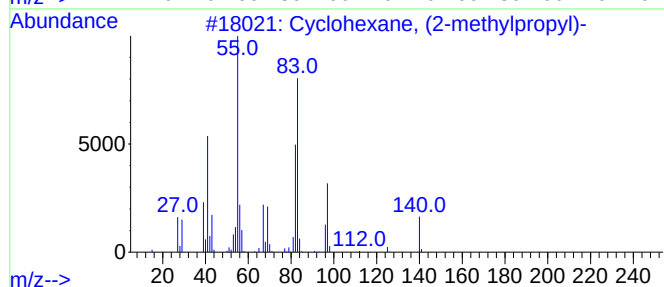
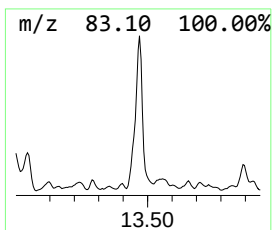
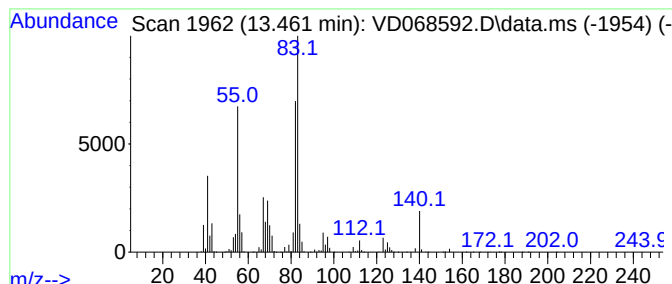
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, (2-methylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.461	78.85 ug/l	6965280	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	78
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	72
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	68
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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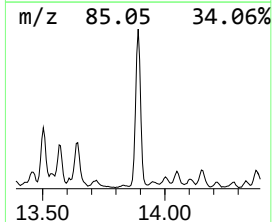
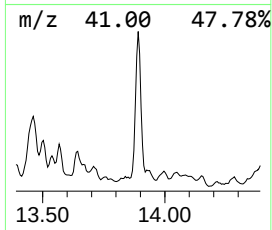
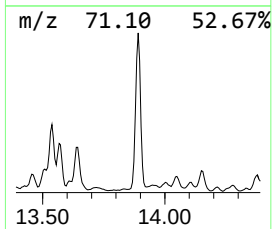
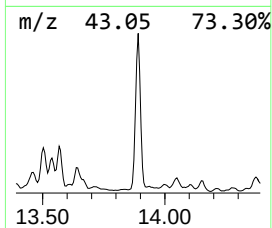
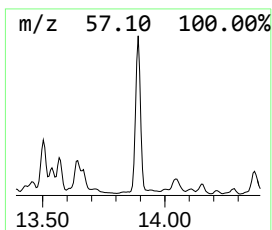
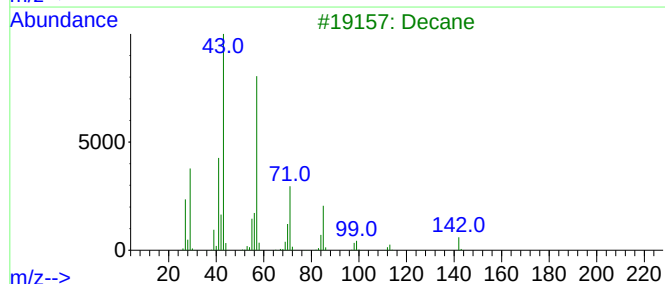
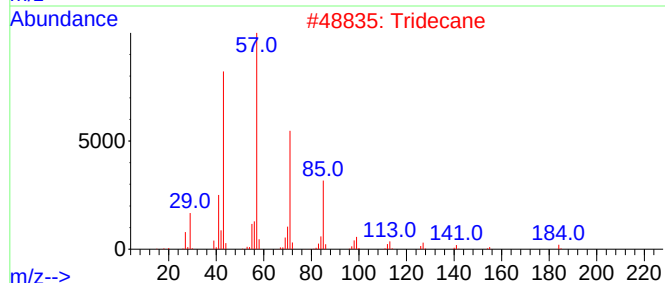
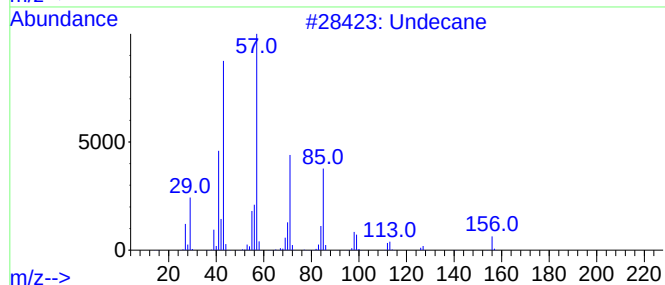
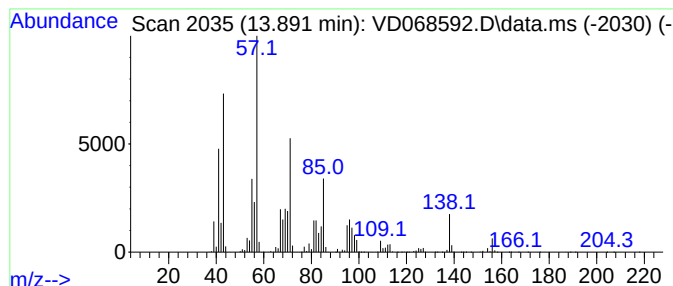
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Quant Title : SW846 8260

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

Peak Number 8 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.890	108.34 ug/l	9570080	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane			156	C11H24	001120-21-4	83
2	Tridecane			184	C13H28	000629-50-5	49
3	Decane			142	C10H22	000124-18-5	43
4	Nonane, 5-(1-methylpropyl)-			184	C13H28	062185-54-0	43
5	Hydroxylamine, O-decyl-			173	C10H23NO	029812-79-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CSB-6-8-8.5

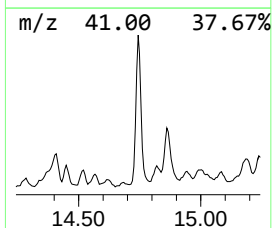
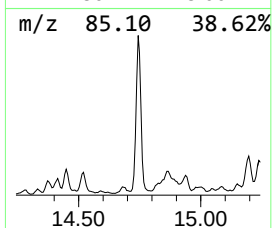
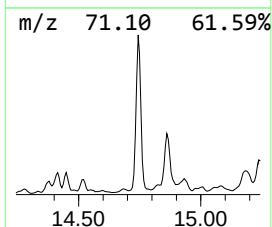
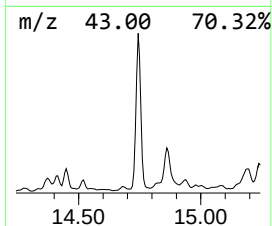
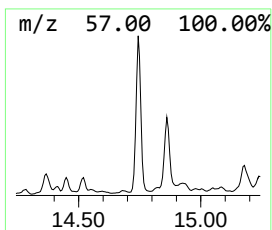
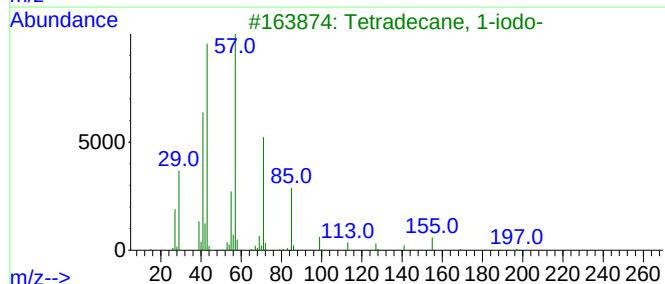
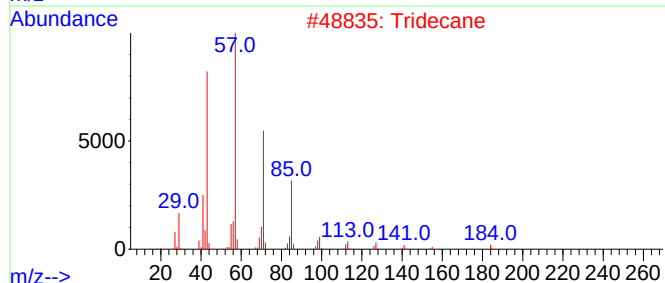
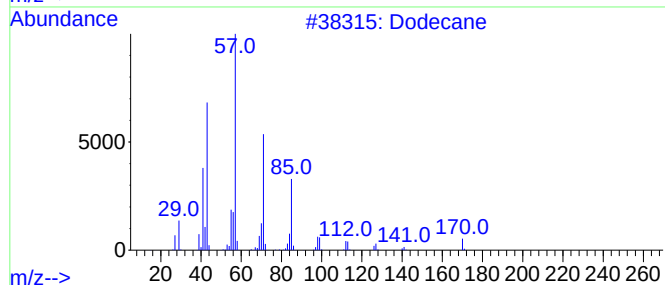
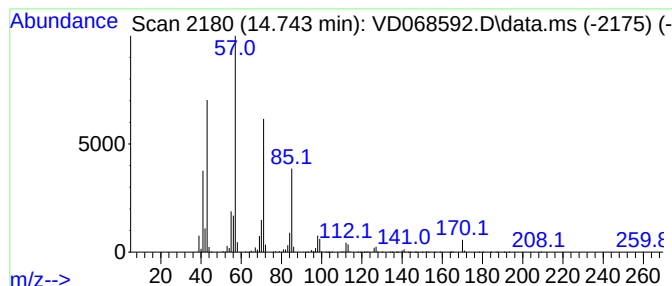
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Quant Title : SW846 8260

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

Peak Number 9 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.743	83.76 ug/l	7398950	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	96
2			Tridecane	184	C13H28	000629-50-5	86
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4			Tetradecane	198	C14H30	000629-59-4	72
5			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
Data File : VD068592.D
Acq On : 11 Mar 2021 18:30
Operator : VA/SY
Sample : M1642-03
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CSB-6-8-8.5

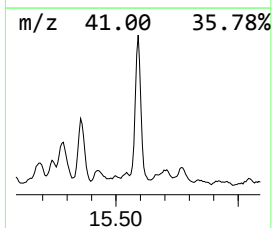
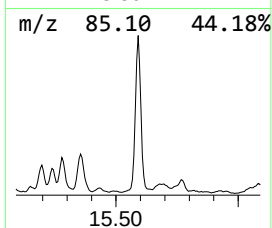
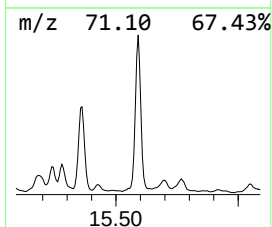
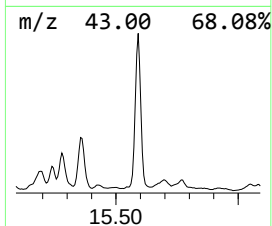
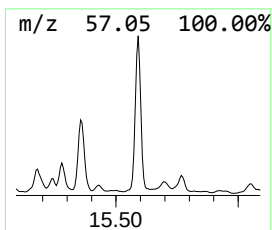
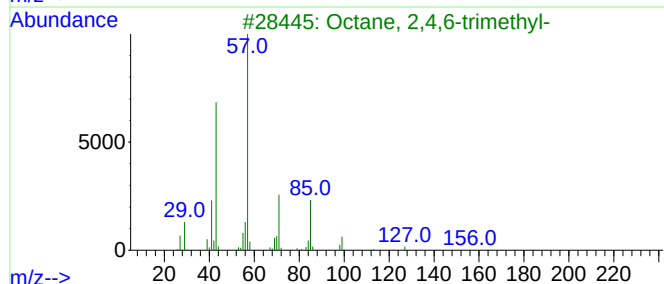
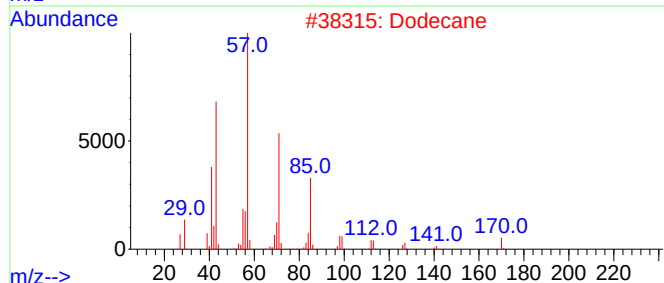
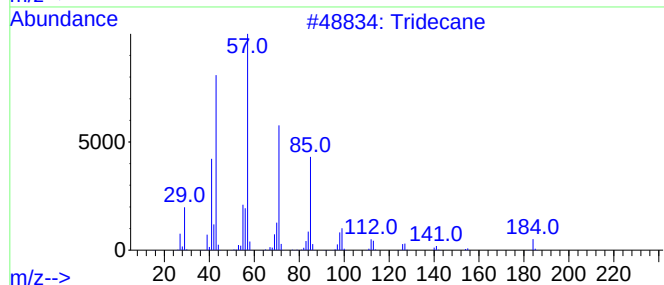
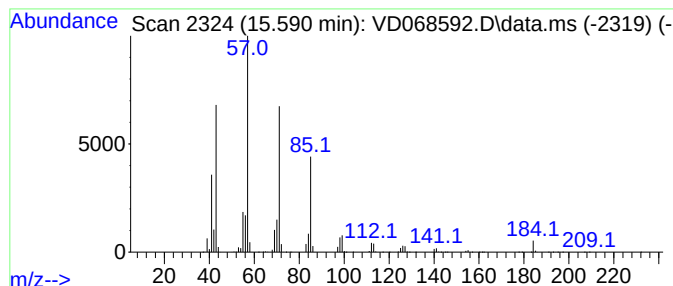
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Quant Title : SW846 8260

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

Peak Number 10 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	103.66 ug/l	9156410	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Dodecane	170	C12H26	000112-40-3	86
3			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
4			Hexadecane	226	C16H34	000544-76-3	78
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068592.D
 Acq On : 11 Mar 2021 18:30
 Operator : VA/SY
 Sample : M1642-03
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CSB-6-8-8.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260

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

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					#	RT	Resp	Conc
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1-Ethyl-4-methy...	12.149	147.8	ug/l	7249880	3	11.644	2451980	50.0
Octane, 2,6-dim...	12.267	82.6	ug/l	4050060	3	11.644	2451980	50.0
Cyclohexane, pr...	12.397	148.3	ug/l	7273840	3	11.644	2451980	50.0
Decane	12.944	289.4	ug/l	25566600	4	13.573	4416710	50.0
Decane, 4-methyl-	13.179	68.8	ug/l	6073140	4	13.573	4416710	50.0
Cyclohexane, (2...	13.461	78.8	ug/l	6965280	4	13.573	4416710	50.0
Undecane	13.890	108.3	ug/l	9570080	4	13.573	4416710	50.0
Dodecane	14.743	83.8	ug/l	7398950	4	13.573	4416710	50.0
Tridecane	15.590	103.7	ug/l	9156410	4	13.573	4416710	50.0