

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076698.D
 Acq On : 03 Jul 2023 17:48
 Operator : KP/SY
 Sample : 03444-17RE
 Misc : 4.13G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46X8RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\SFAMDLM061523SMA.M
 Title : SFAM01.0

Signal : TIC: VD076698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.646	7	10	13	rBV2	1197	1368	0.02%	0.003%
2	1.734	13	25	39	rBV	844293	1598758	17.58%	3.666%
3	1.887	48	51	56	rVB2	10761	14128	0.16%	0.032%
4	2.017	71	73	75	rBV	1677	1241	0.01%	0.003%
5	2.134	90	93	94	rBV	2527	2463	0.03%	0.006%
6	2.270	110	116	124	rVB	37533	62615	0.69%	0.144%
7	2.464	146	149	151	rBV2	2483	2602	0.03%	0.006%
8	2.487	151	153	156	rVB2	2626	2420	0.03%	0.006%
9	2.722	191	193	194	rBV2	1755	1248	0.01%	0.003%
10	2.799	199	206	216	rBV2	33192	77107	0.85%	0.177%
11	3.211	271	276	279	rBV4	1177	2036	0.02%	0.005%
12	3.281	286	288	291	rVV3	1649	2432	0.03%	0.006%
13	3.305	291	292	294	rVV	2239	1315	0.01%	0.003%
14	3.393	304	307	311	rBV2	985	1356	0.01%	0.003%
15	3.611	341	344	347	rBV2	1158	1271	0.01%	0.003%
16	3.905	385	394	405	rBV	35919	91771	1.01%	0.210%
17	4.017	405	413	424	rBV	32772	86955	0.96%	0.199%
18	4.205	441	445	448	rVV3	1251	1956	0.02%	0.004%
19	4.264	448	455	462	rVV3	5819	14427	0.16%	0.033%
20	4.464	488	489	493	rBV2	1306	1573	0.02%	0.004%
21	4.552	502	504	507	rVB2	1196	1166	0.01%	0.003%
22	4.581	507	509	512	rBV2	1308	1439	0.02%	0.003%
23	4.787	534	544	546	rBV5	8721	18200	0.20%	0.042%
24	4.846	552	554	556	rVB3	2308	1530	0.02%	0.004%
25	5.299	627	631	632	rBV3	1927	1910	0.02%	0.004%
26	5.658	687	692	695	rVB2	1319	2781	0.03%	0.006%
27	5.799	714	716	719	rBV2	1777	1787	0.02%	0.004%
28	5.840	719	723	728	rVV4	3252	5772	0.06%	0.013%
29	6.105	764	768	770	rBV2	1495	1948	0.02%	0.004%
30	6.275	795	797	802	rBV2	1445	1909	0.02%	0.004%
31	6.628	854	857	859	rBV2	1185	1186	0.01%	0.003%
32	6.869	897	898	902	rVV4	2613	3300	0.04%	0.008%
33	6.899	902	903	906	rVV3	2329	1657	0.02%	0.004%
34	6.934	906	909	910	rVV3	1331	1637	0.02%	0.004%
35	6.981	910	917	925	rVV	27249	78268	0.86%	0.179%
36	7.075	927	933	940	rVV2	15219	42896	0.47%	0.098%

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Integrator: RTE

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Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Title : SFAM01.0

37	7.146	943	945	947	rVB	1586	1228	0.01%	0.003%
38	7.558	1006	1015	1029	rBV	79872	214975	2.36%	0.493%
39	7.687	1035	1037	1040	rBV2	1390	1286	0.01%	0.003%
40	7.769	1047	1051	1054	rBV3	1870	1781	0.02%	0.004%
41	7.863	1058	1067	1074	rVB8	6994	19663	0.22%	0.045%
42	7.952	1078	1082	1085	rBV3	3631	5717	0.06%	0.013%
43	8.005	1089	1091	1094	rVB2	1181	1235	0.01%	0.003%
44	8.075	1097	1103	1105	rBV3	7369	11872	0.13%	0.027%
45	8.199	1114	1124	1138	rBV2	118932	397143	4.37%	0.911%
46	8.357	1145	1151	1156	rBV7	5087	12228	0.13%	0.028%
47	8.499	1170	1175	1182	rVB7	4893	11845	0.13%	0.027%
48	8.552	1182	1184	1188	rVB2	2608	2947	0.03%	0.007%
49	8.587	1188	1190	1193	rBV	1187	1518	0.02%	0.003%
50	8.622	1193	1196	1197	rBV3	3744	3320	0.04%	0.008%
51	8.775	1209	1222	1231	rBV	430159	887068	9.75%	2.034%
52	9.016	1257	1263	1264	rVV4	3598	4155	0.05%	0.010%
53	9.204	1288	1295	1302	rVV2	107453	240845	2.65%	0.552%
54	9.269	1303	1306	1313	rVV2	36868	68717	0.76%	0.158%
55	9.322	1313	1315	1321	rVV6	7697	13069	0.14%	0.030%
56	9.369	1321	1323	1325	rVB2	2220	1343	0.01%	0.003%
57	9.410	1325	1330	1333	rBV6	2192	4088	0.04%	0.009%
58	9.546	1349	1353	1359	rVB6	7081	12615	0.14%	0.029%
59	9.687	1374	1377	1378	rBV3	9018	9022	0.10%	0.021%
60	9.769	1387	1391	1394	rBV5	2802	3964	0.04%	0.009%
61	9.793	1394	1395	1398	rVV2	2686	1935	0.02%	0.004%
62	9.822	1398	1400	1401	rVV2	4714	3937	0.04%	0.009%
63	9.840	1401	1403	1408	rVV4	8899	13983	0.15%	0.032%
64	9.904	1409	1414	1418	rVV4	16664	31317	0.34%	0.072%
65	9.975	1421	1426	1432	rVV2	56899	108732	1.20%	0.249%
66	10.046	1435	1438	1449	rVB9	14837	36961	0.41%	0.085%
67	10.269	1468	1476	1483	rBV	155349	308738	3.39%	0.708%
68	10.328	1483	1486	1493	rVB	19386	37882	0.42%	0.087%
69	10.522	1515	1519	1526	rBV2	35979	62002	0.68%	0.142%
70	10.604	1530	1533	1539	rVB7	10718	17515	0.19%	0.040%
71	10.875	1573	1579	1587	rBV2	107913	204704	2.25%	0.469%
72	10.987	1595	1598	1606	rBV7	10138	21497	0.24%	0.049%
73	11.181	1628	1631	1636	rVB2	29851	45751	0.50%	0.105%
74	11.469	1675	1680	1685	rBV2	35523	58707	0.65%	0.135%
75	11.581	1692	1699	1707	rBV	497478	860660	9.46%	1.974%
76	11.651	1709	1711	1712	rBV	6192	3865	0.04%	0.009%

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 Title : SFAM01.0

77	11.828	1738	1741	1745	rVB2	38417	49985	0.55%	0.115%
78	12.022	1771	1774	1778	rVB3	28023	41023	0.45%	0.094%
79	12.093	1779	1786	1793	rBV7	92800	238788	2.63%	0.548%
80	12.210	1802	1806	1811	rVB	129360	194437	2.14%	0.446%
81	12.328	1823	1826	1832	rVB2	134952	242537	2.67%	0.556%
82	12.651	1875	1881	1888	rBV3	186762	468329	5.15%	1.074%
83	12.734	1892	1895	1903	rVB4	183325	346645	3.81%	0.795%
84	12.822	1903	1910	1914	rBV5	129125	321009	3.53%	0.736%
85	12.898	1916	1923	1929	rBV4	332020	901822	9.92%	2.068%
86	13.040	1943	1947	1951	rBV2	242500	363267	3.99%	0.833%
87	13.093	1952	1956	1959	rBV4	159706	286228	3.15%	0.656%
88	13.257	1980	1984	1989	rBV	371416	569829	6.26%	1.307%
89	13.310	1990	1993	1996	rBV2	246311	328631	3.61%	0.754%
90	13.410	2002	2010	2014	rBV3	781788	1603576	17.63%	3.678%
91	13.840	2079	2083	2087	rBV3	983454	1581856	17.39%	3.628%
92	14.163	2134	2138	2143	rBV4	586894	874665	9.62%	2.006%
93	14.234	2147	2150	2155	rVB3	933587	1351053	14.85%	3.098%
94	14.287	2156	2159	2163	rVB4	512204	662039	7.28%	1.518%
95	14.351	2164	2170	2178	rBV5	2522074	5304014	58.31%	12.164%
96	14.510	2193	2197	2202	rBV4	1285381	1982872	21.80%	4.547%
97	14.769	2237	2241	2245	rBV3	1732888	3177132	34.93%	7.286%
98	14.816	2246	2249	2256	rVB4	2909849	4951996	54.44%	11.357%
99	15.304	2327	2332	2339	rBV	6072295	9095521	100.00%	20.859%
100	16.257	2490	2494	2502	rVB	1509427	2781110	30.58%	6.378%

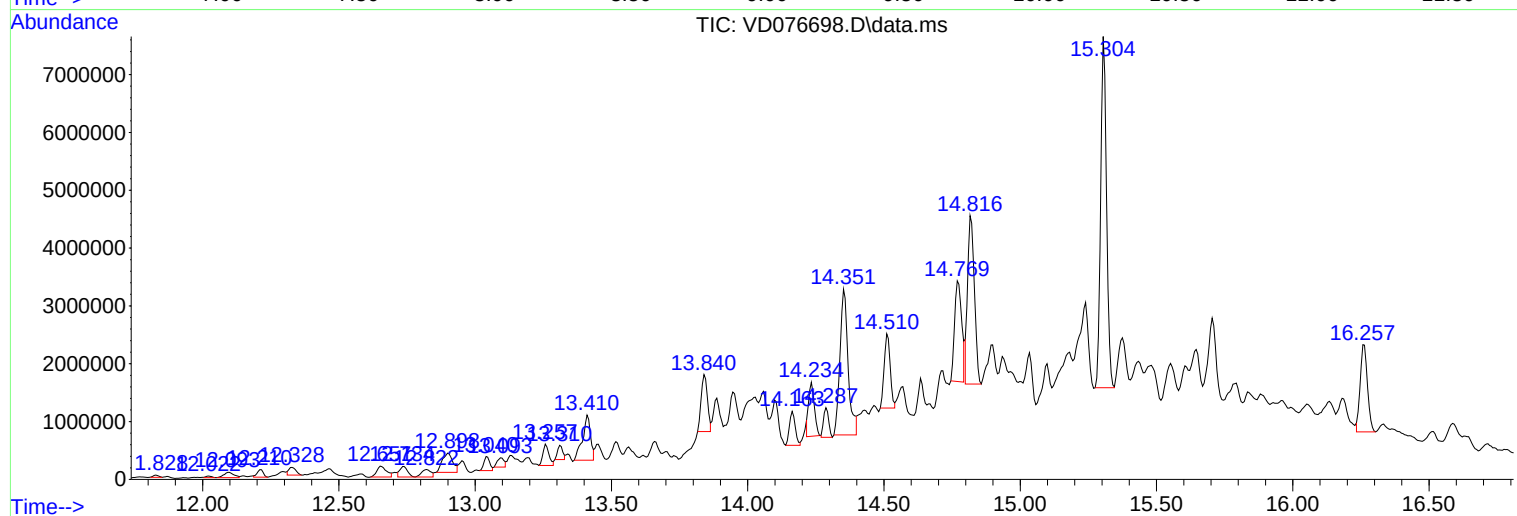
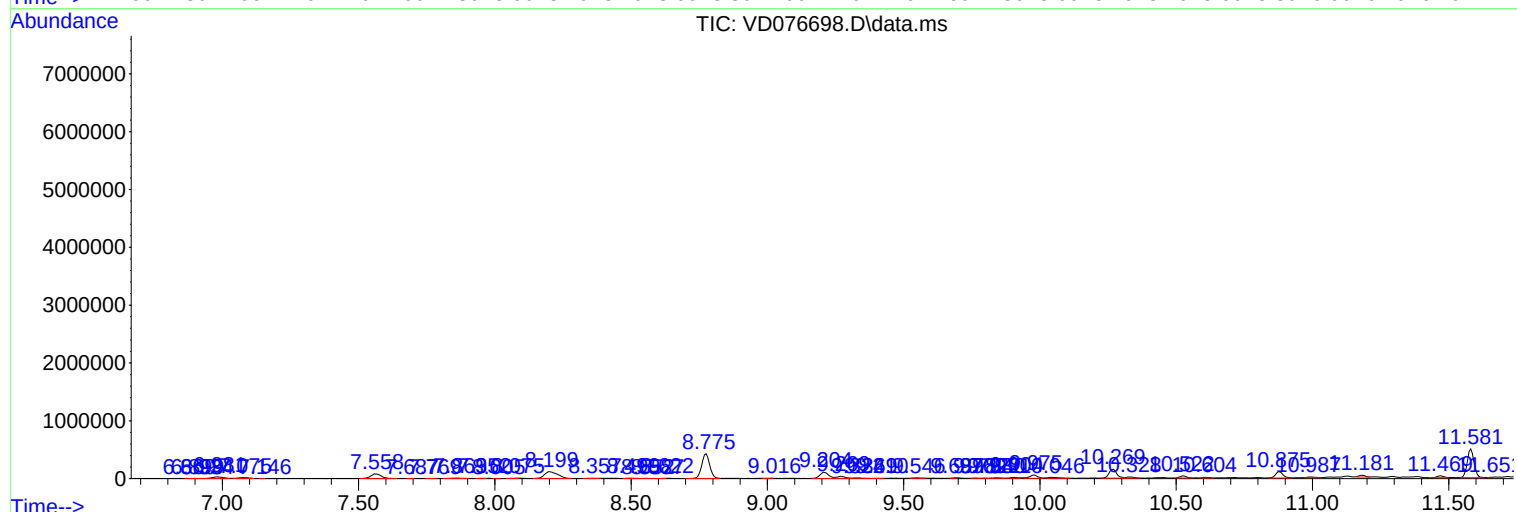
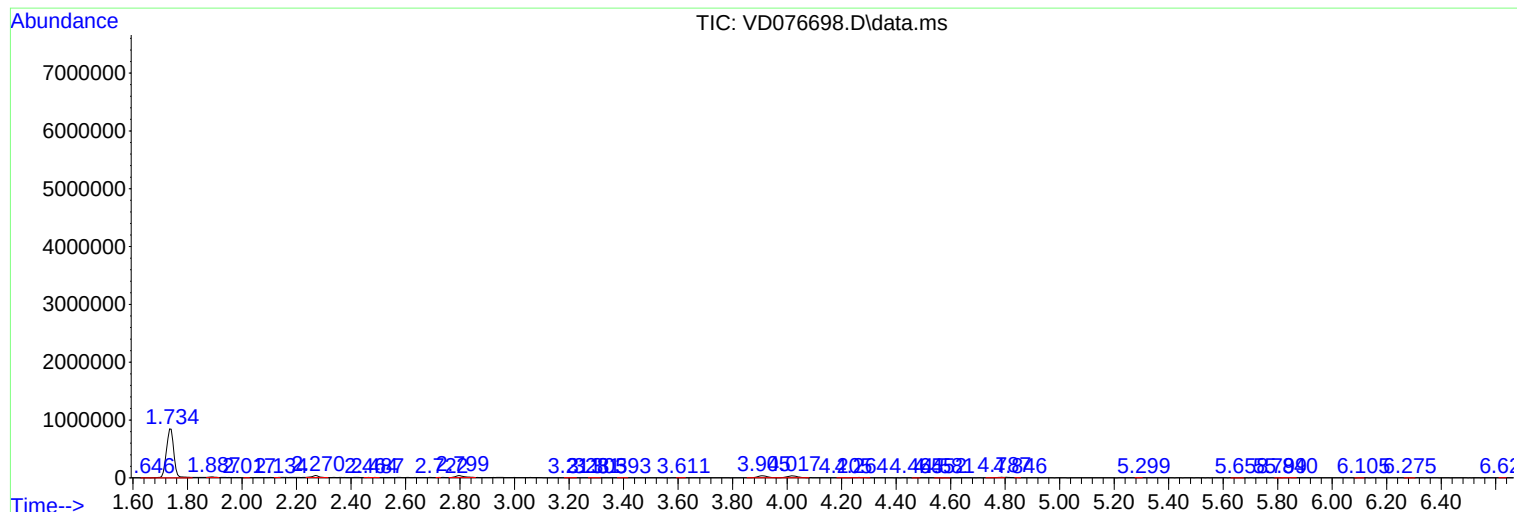
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Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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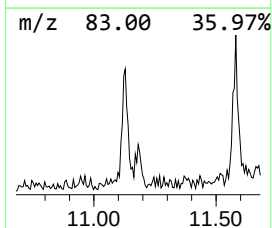
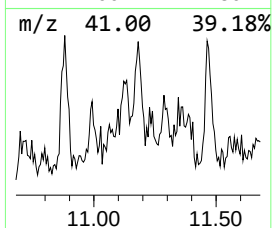
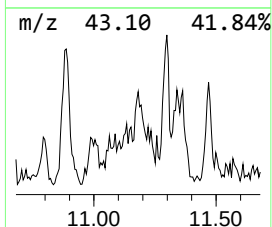
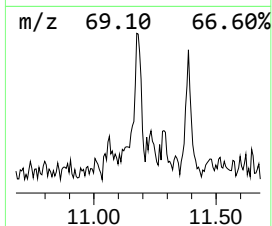
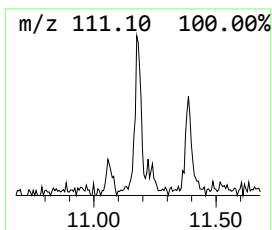
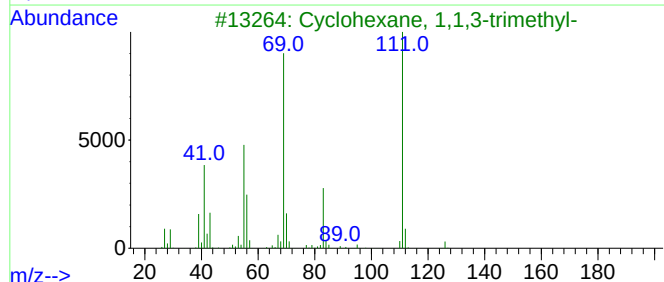
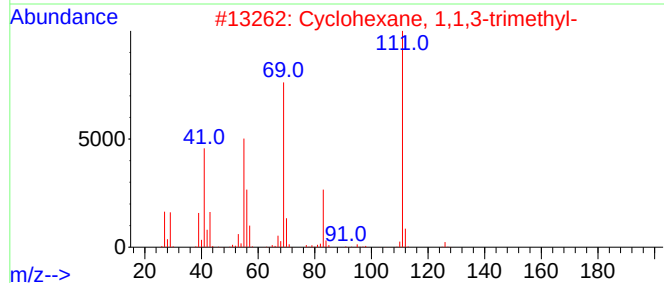
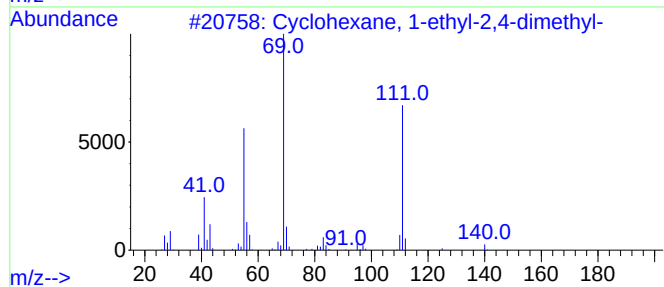
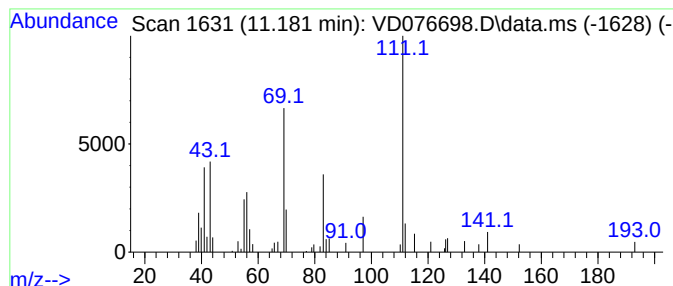
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic11.181 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	1.33 ug/L	45751	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	59
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4			Cyclooctane, butyl-	168	C12H24	016538-93-5	50
5			Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	50



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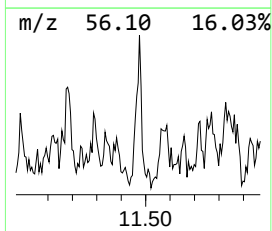
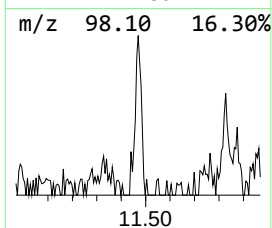
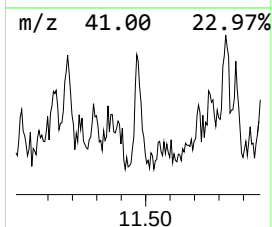
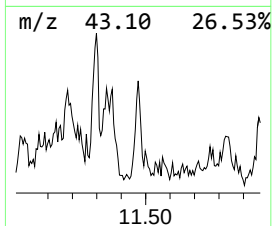
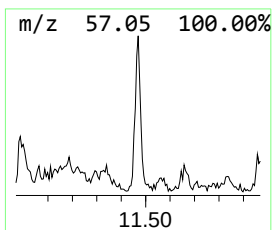
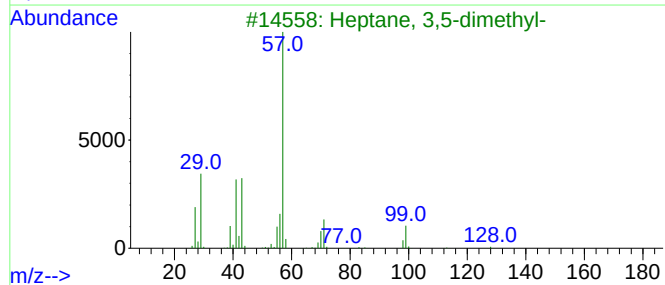
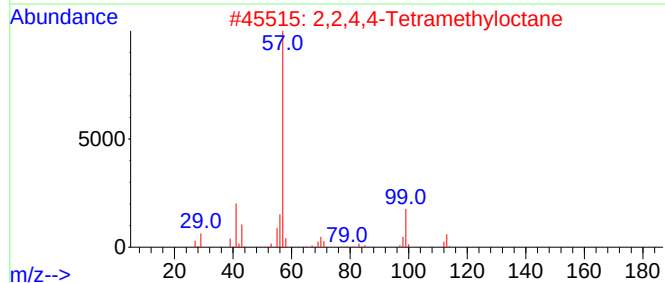
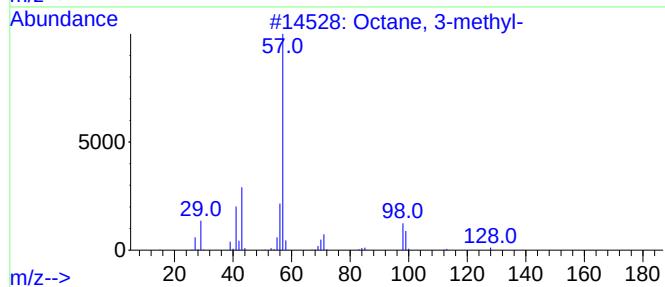
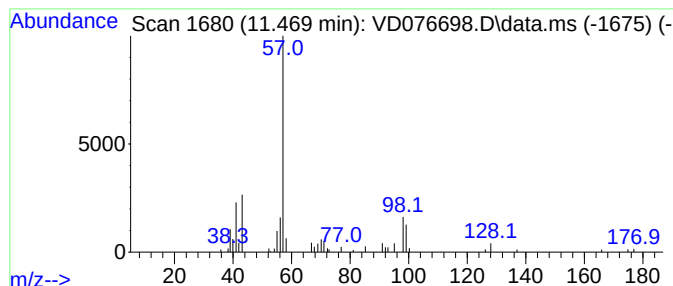
Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.469	1.71 ug/L	58707	Chlorobenzene-d5		11.581	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	52
2	2,2,4,4-Tetramethyloctane		170	C12H26	062183-79-3	50
3	Heptane, 3,5-dimethyl-		128	C9H20	000926-82-9	50
4	Pentane, 3,3-diethyl-		128	C9H20	001067-20-5	47
5	Octane, 3-methyl-		128	C9H20	002216-33-3	45



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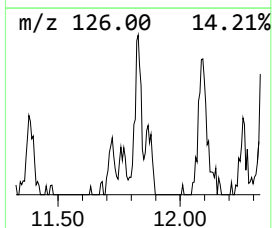
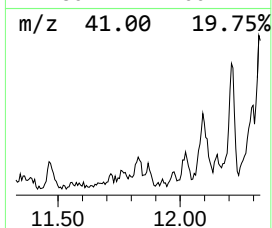
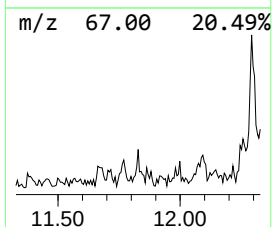
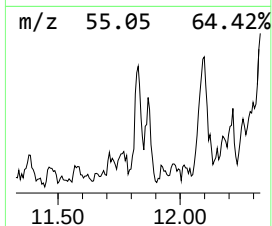
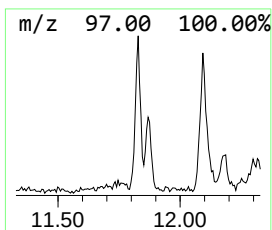
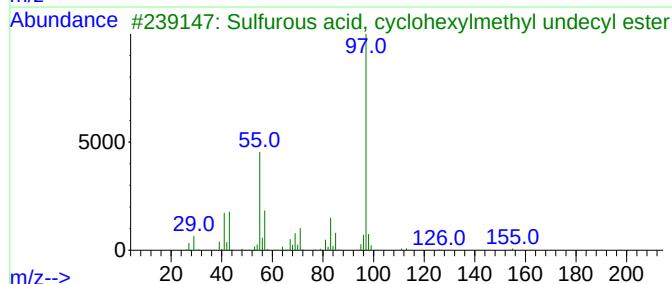
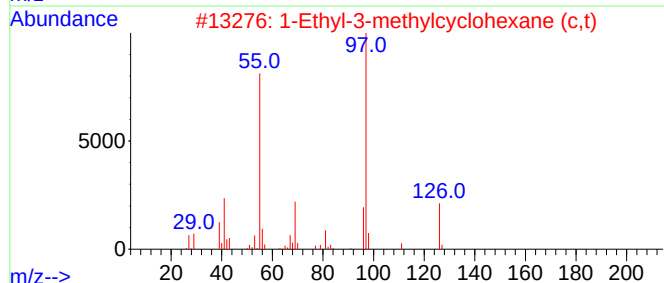
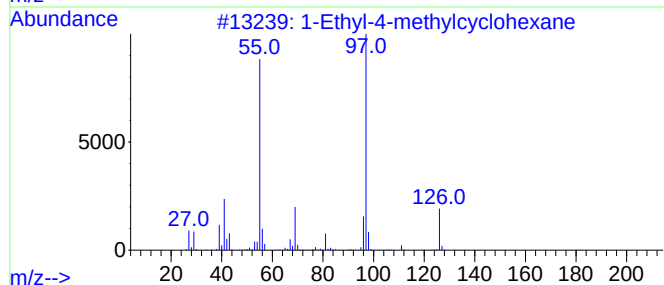
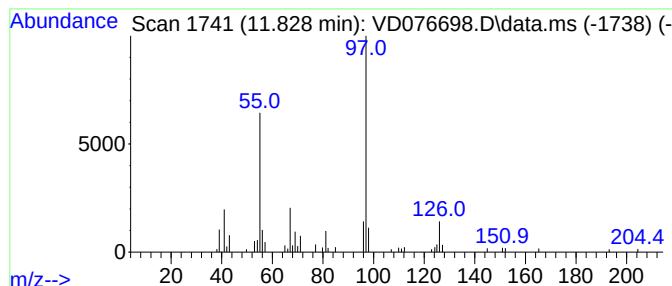
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Cyclic11.828 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	1.45 ug/L	49985	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
4			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	64
5			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

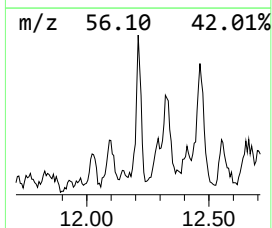
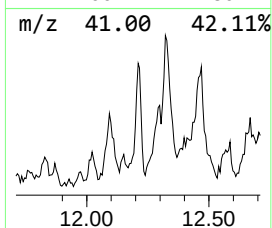
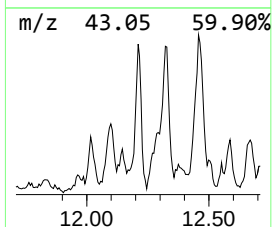
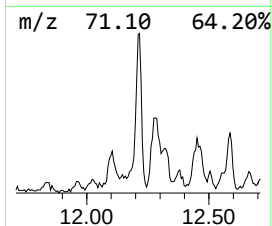
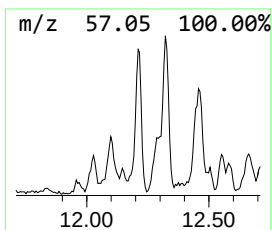
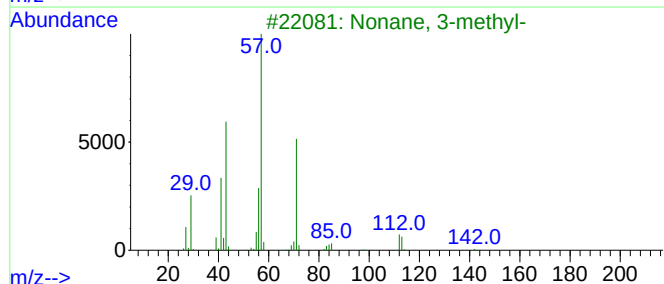
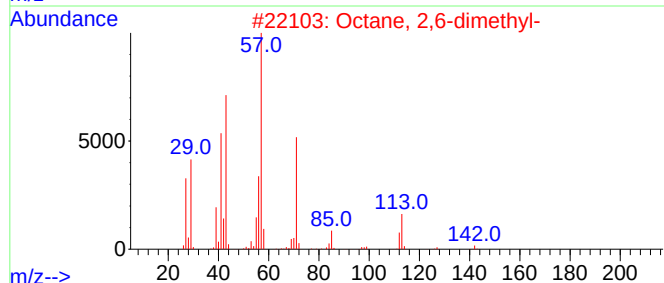
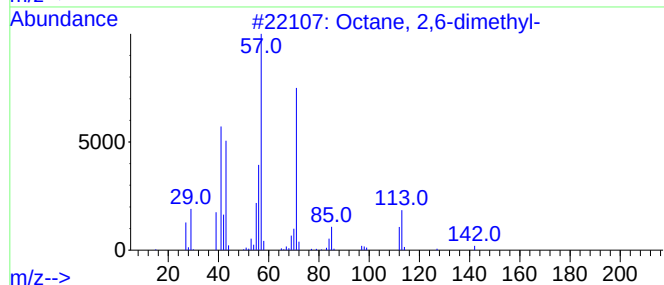
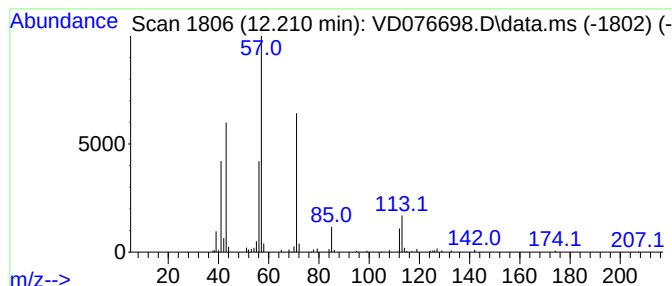
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.210	5.65 ug/L	194437	Chlorobenzene-d5			11.581
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	83
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	83
3	Nonane, 3-methyl-		142	C10H22	005911-04-6	80
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	80
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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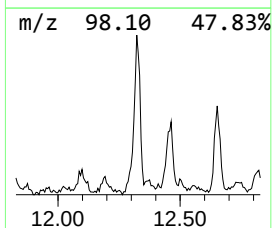
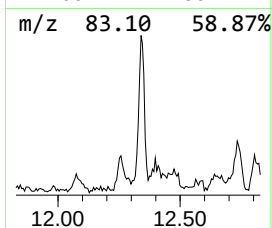
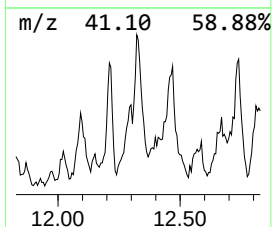
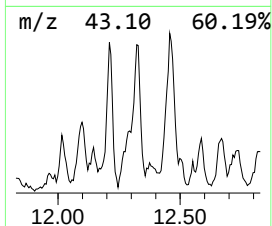
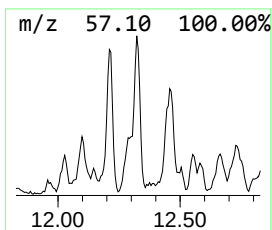
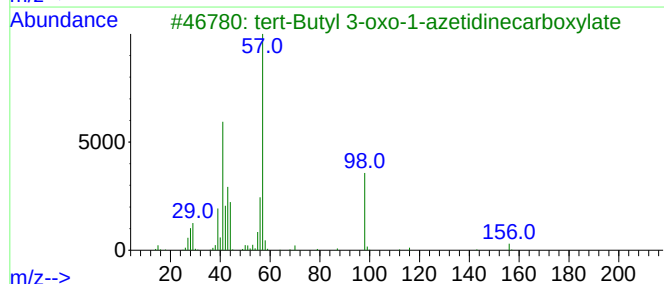
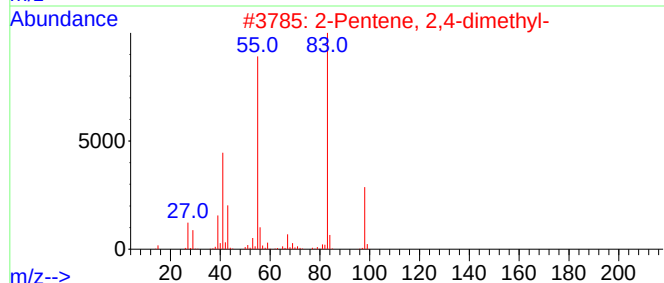
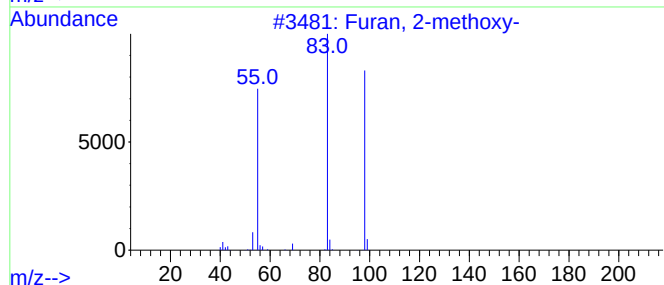
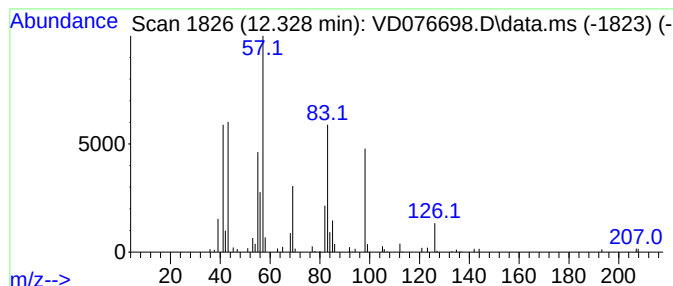
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	7.05 ug/L	242537	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-methoxy-	98	C5H6O2	025414-22-6	43
2			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	38
3			tert-Butyl 3-oxo-1-azetidinecarb...	171	C8H13NO3	398489-26-4	35
4			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	35
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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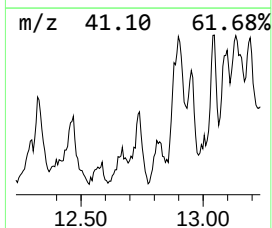
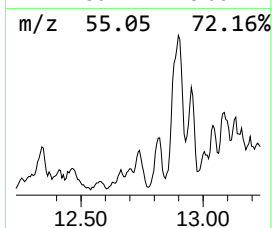
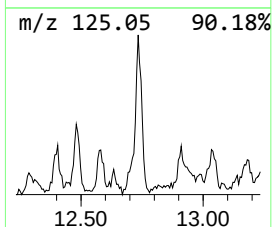
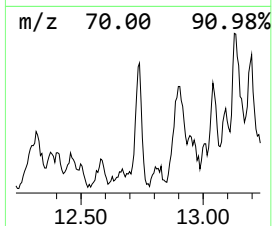
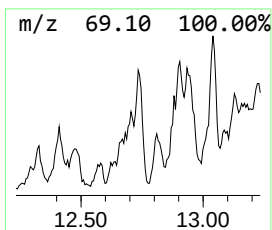
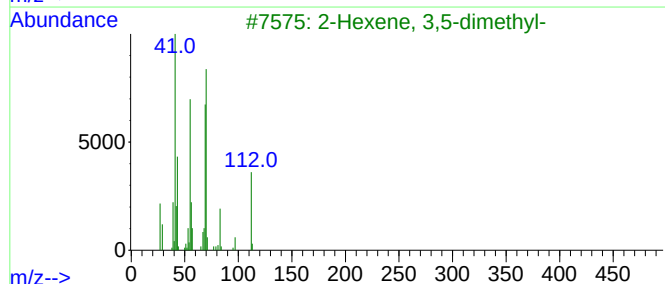
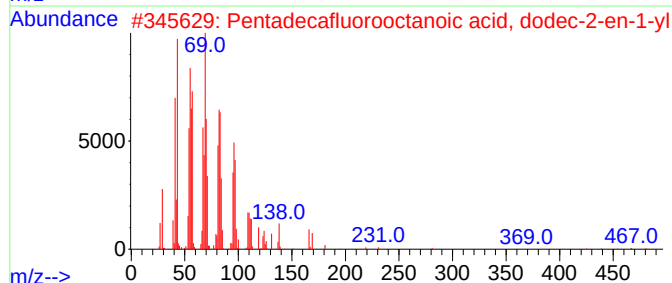
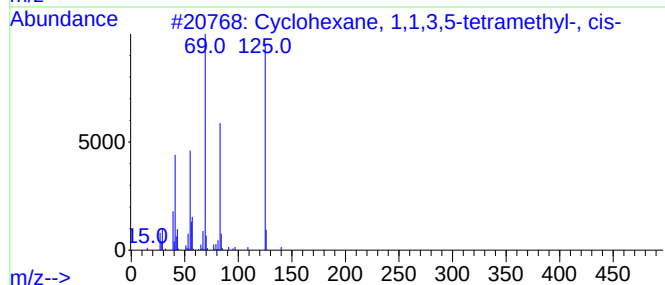
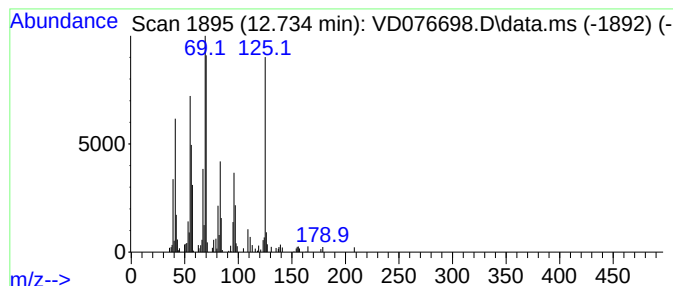
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Cyclic12.734 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.734	5.40 ug/L	346645	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
2			Pentadecafluorooctanoic acid, do...	580	C20H23F15O2	1000406-81-3	38
3			2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	35
4			4-Nonene, 5-methyl-	140	C10H20	015918-07-7	35
5			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

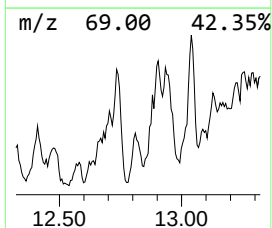
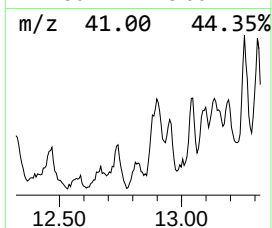
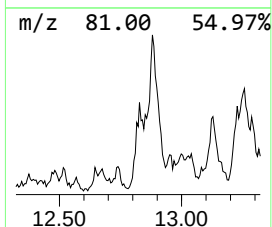
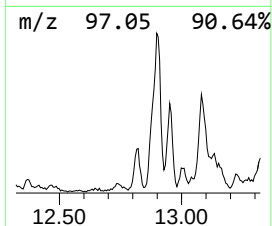
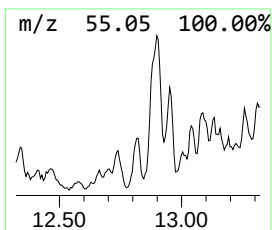
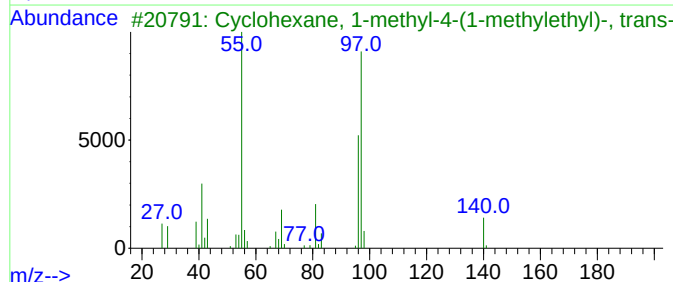
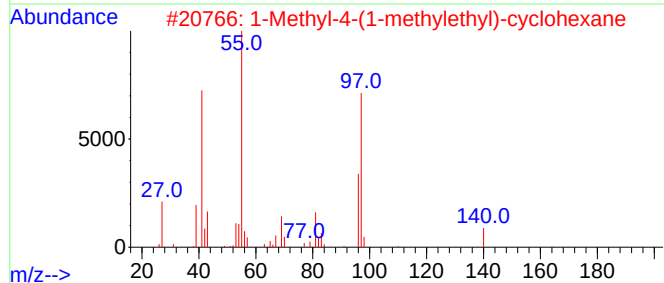
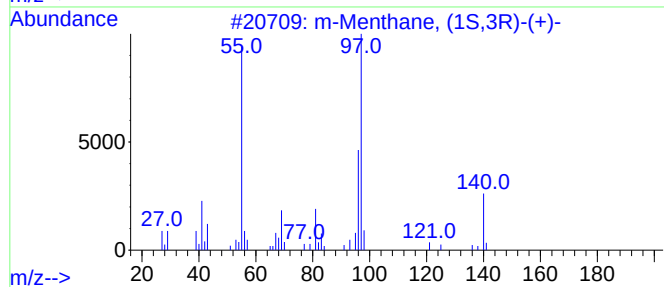
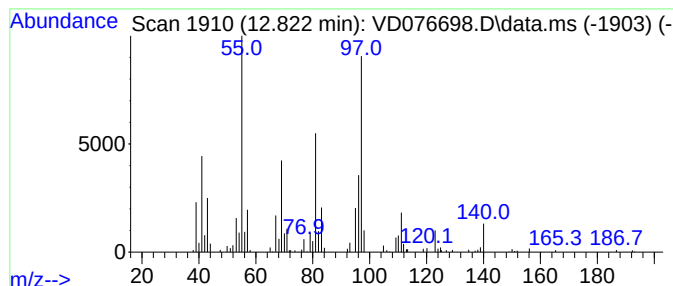
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.822	5.00 ug/L	321009	1,4-Dichlorobenzene-d4	13.516	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	59
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	58
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
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Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

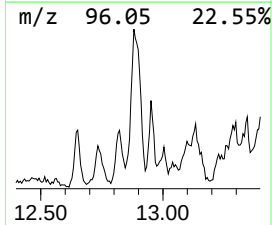
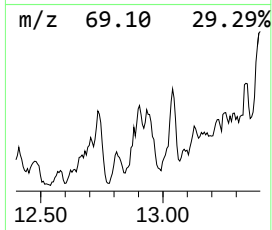
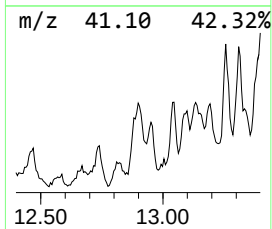
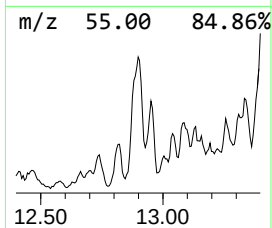
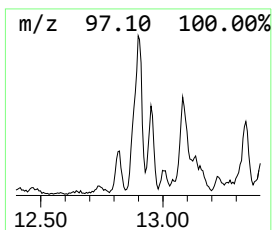
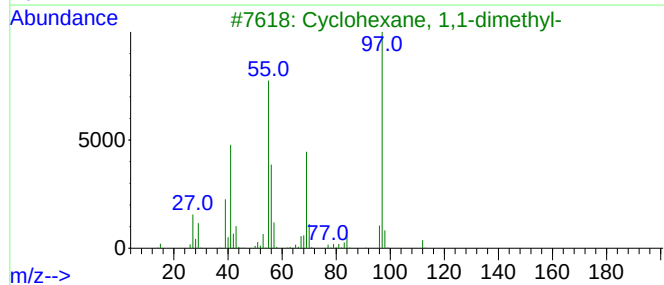
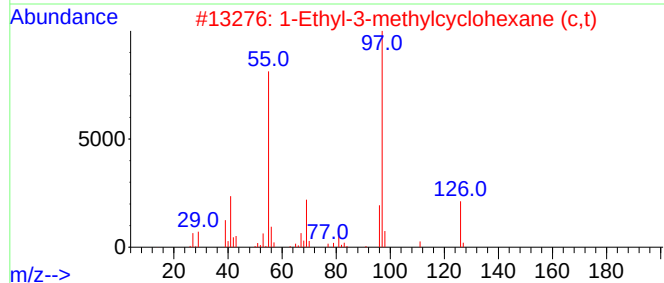
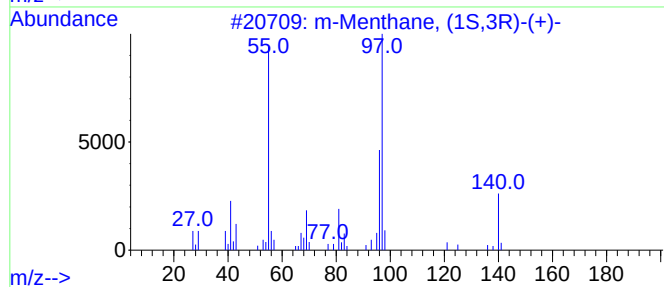
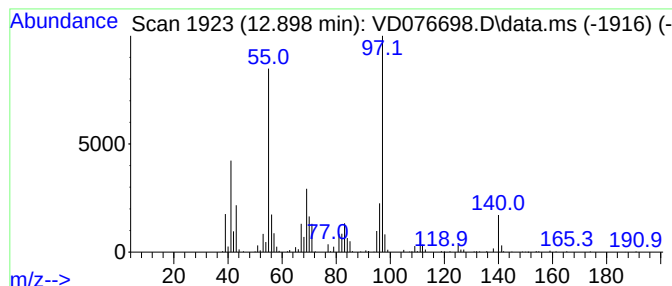
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.898	14.06 ug/L	901822	1,4-Dichlorobenzene-d4	13.516	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	72
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62
4	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	62
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
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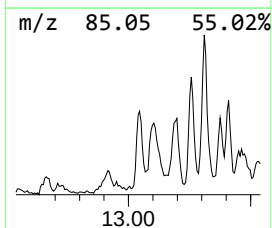
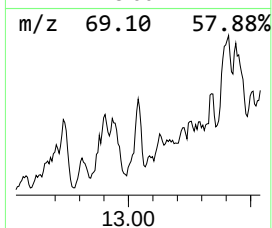
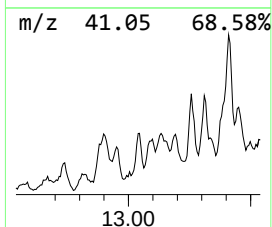
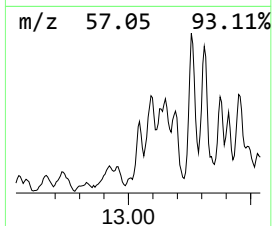
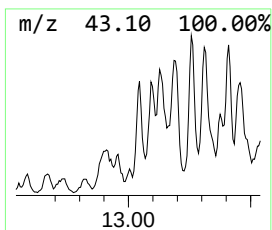
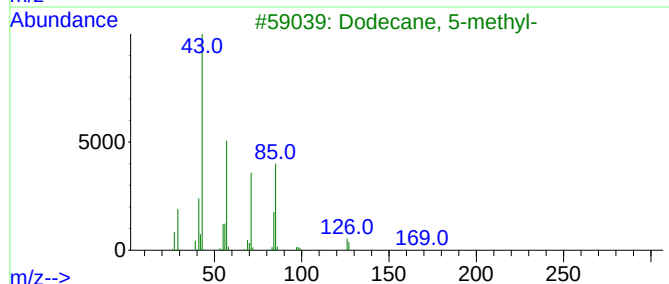
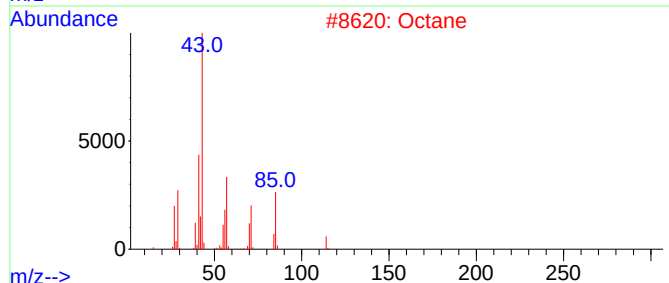
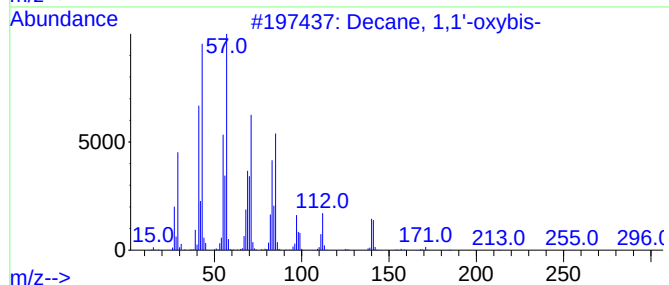
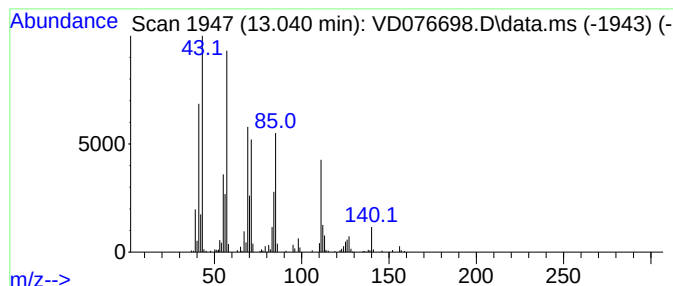
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Decane, 1,1'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.040	5.66 ug/L	363267	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	59
2			Octane	114	C8H18	000111-65-9	49
3			Dodecane, 5-methyl-	184	C13H28	017453-93-9	47
4			Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	43
5			Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
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Sample : 03444-17RE
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ALS Vial : 19 Sample Multiplier: 1

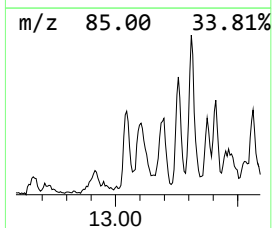
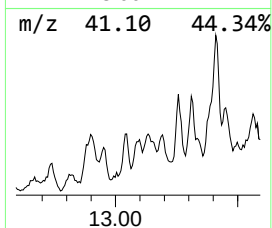
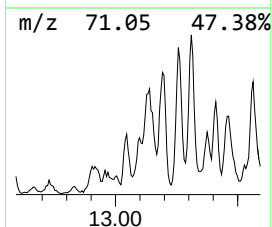
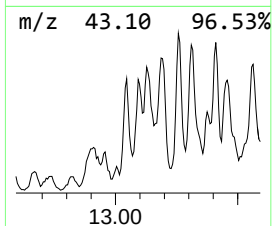
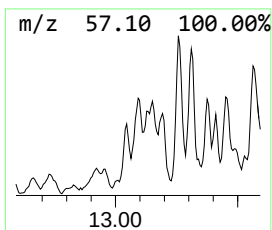
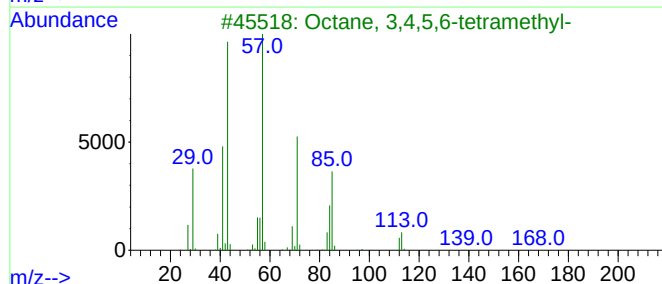
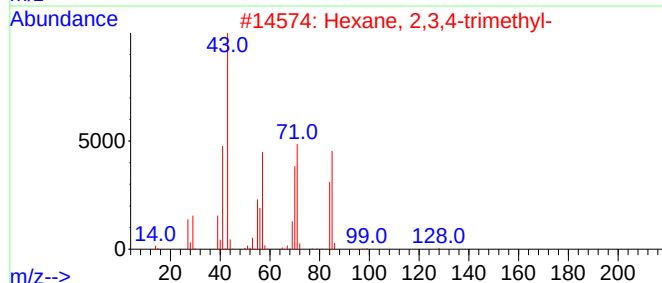
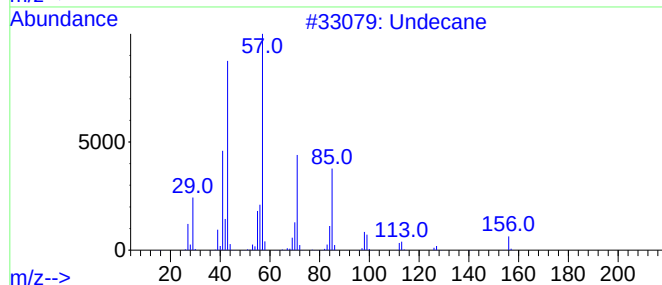
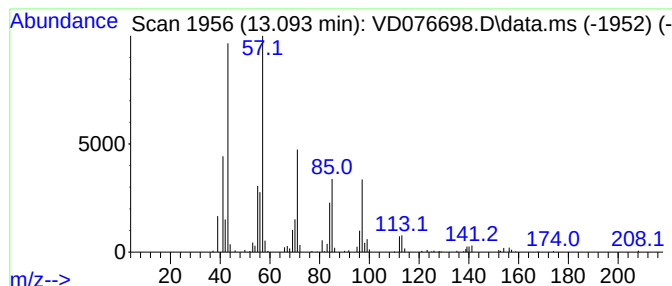
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ClientSampleId :
A46X8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.092	4.46 ug/L	286228	1,4-Dichlorobenzene-d4		13.516	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	62
2	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	53
3	Octane, 3,4,5,6-tetramethyl-		170	C12H26	062185-21-1	52
4	1-Iodo-2-methylnonane		268	C10H21I	1000101-47-9	49
5	Heptadecane		240	C17H36	000629-78-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

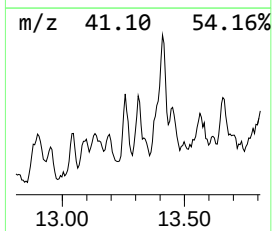
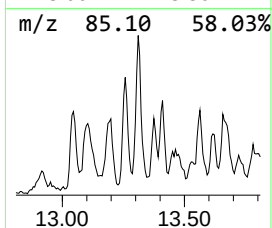
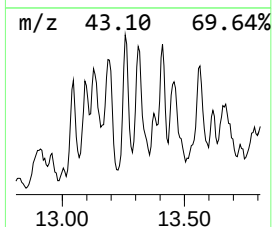
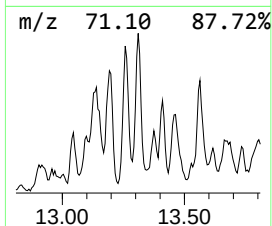
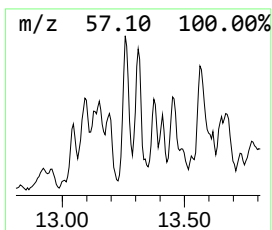
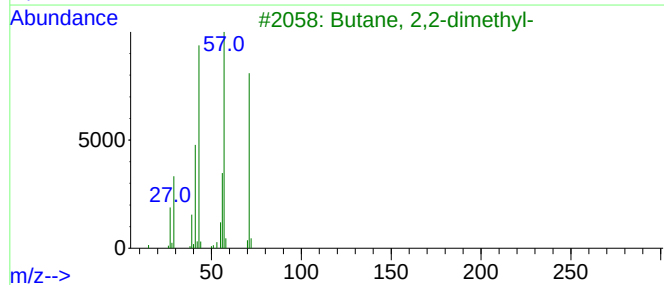
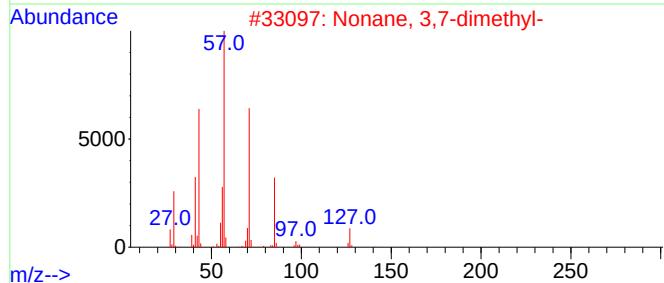
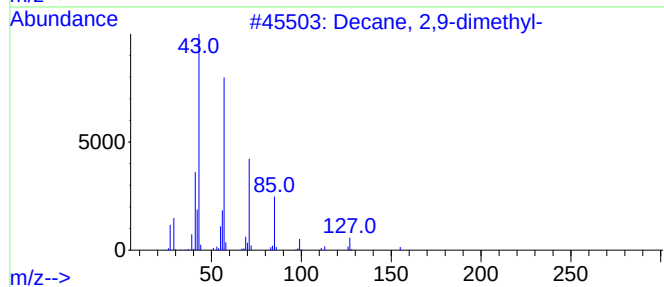
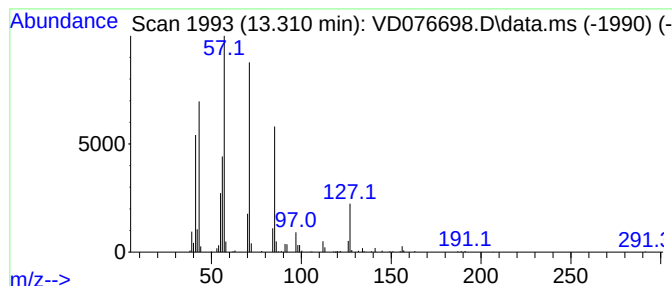
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.310	5.12 ug/L	328631	1,4-Dichlorobenzene-d4			13.516
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 2,9-dimethyl-		170	C12H26	001002-17-1	64
2	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	64
3	Butane, 2,2-dimethyl-		86	C6H14	000075-83-2	47
4	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	47
5	Butane, 2,2-dimethyl-		86	C6H14	000075-83-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

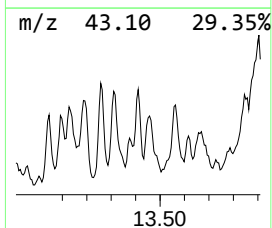
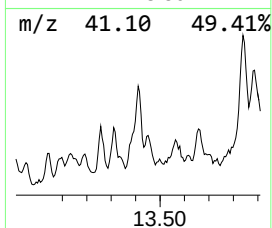
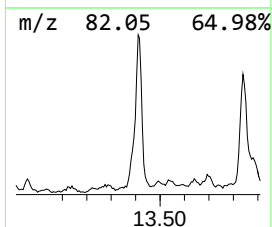
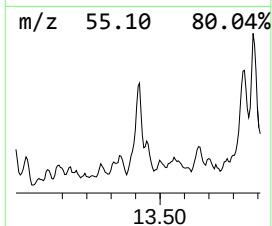
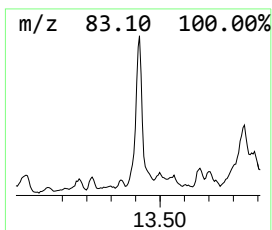
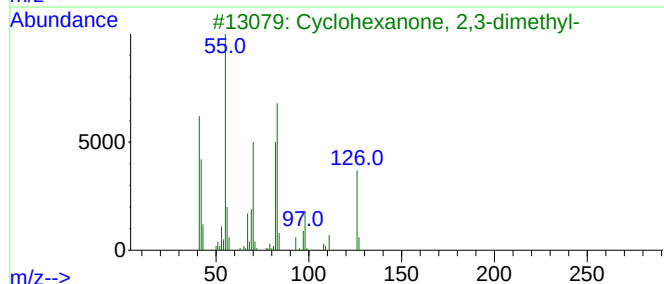
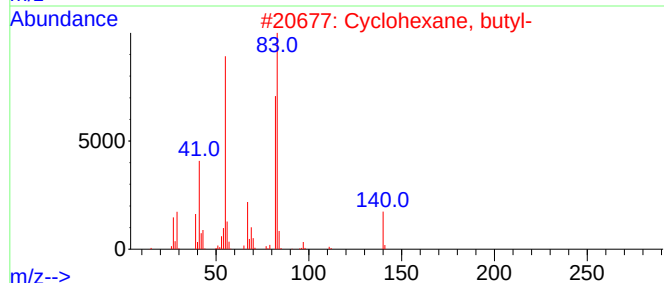
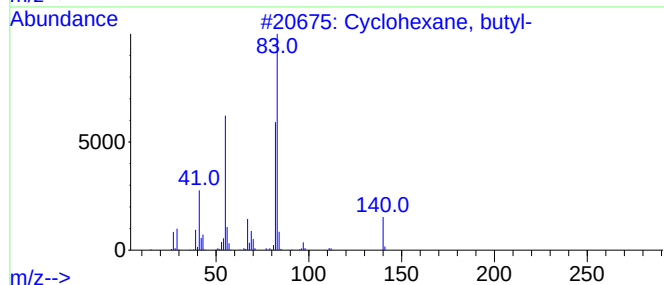
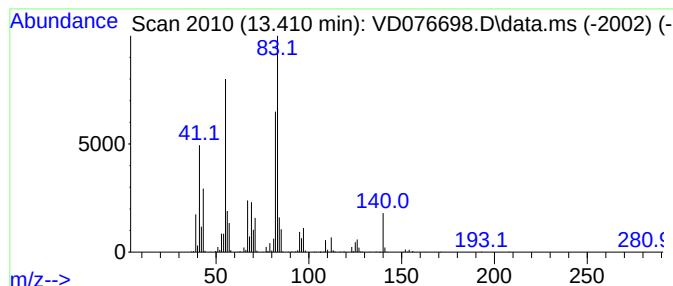
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Cyclic13.410 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.410	25.00 ug/L	1603580	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3			Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	72
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

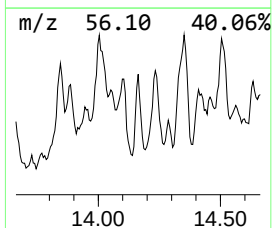
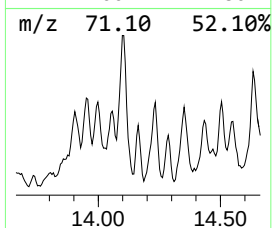
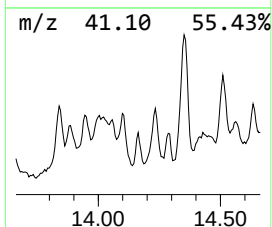
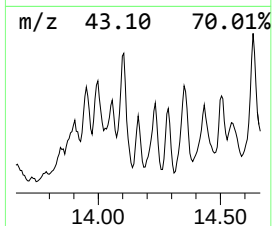
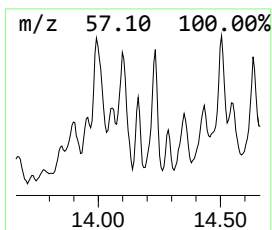
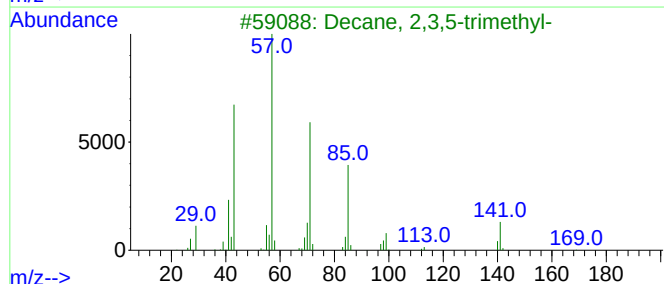
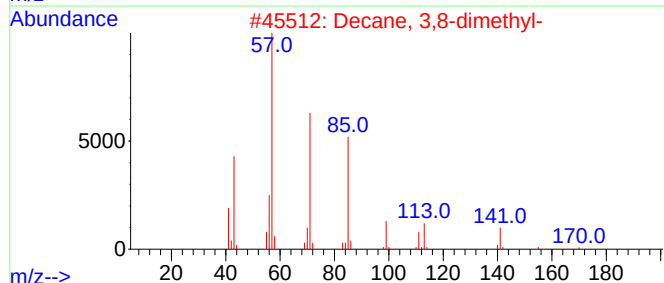
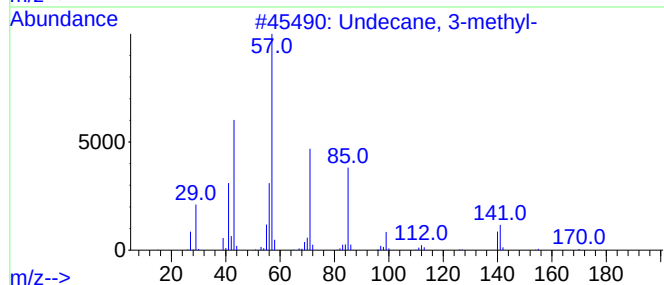
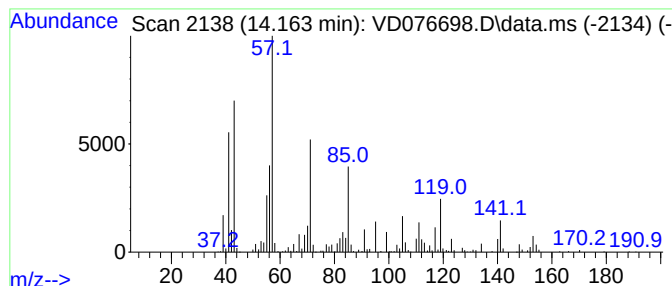
Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.163	13.64 ug/L	874665	1,4-Dichlorobenzene-d4			13.516
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	68
2	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	64
3	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	49
4	9-methylheptadecane		254	C18H38	026741-18-4	49
5	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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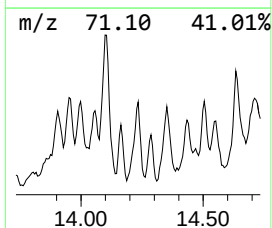
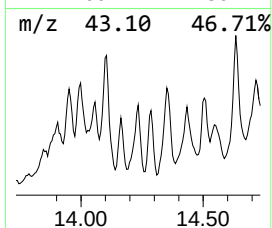
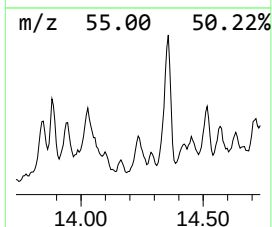
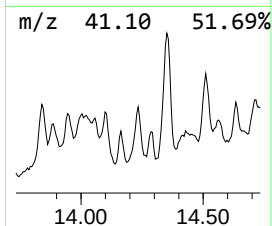
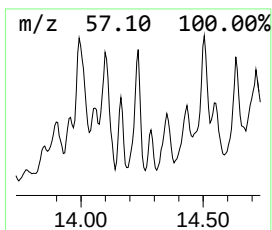
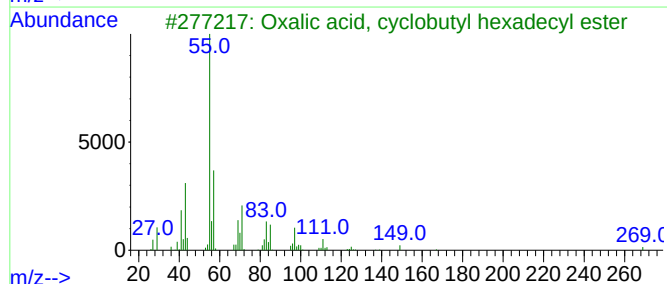
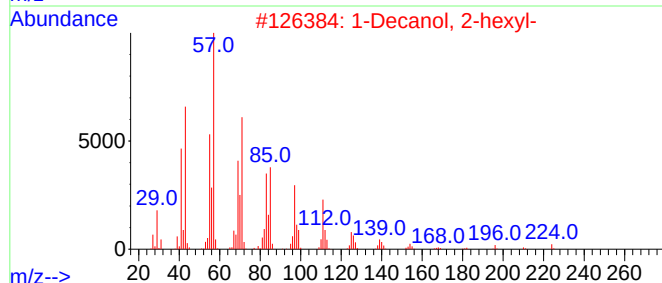
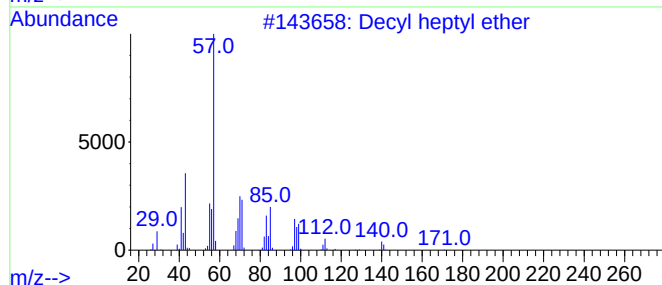
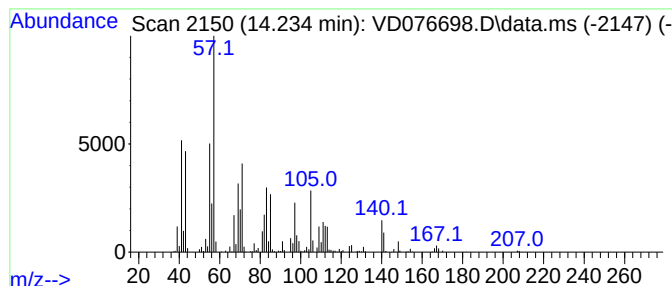
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.234	21.06 ug/L	1351050	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decyl heptyl ether	256	C17H36O	1000406-39-1	47
2			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	47
3			Oxalic acid, cyclobutyl hexadecyl ester	368	C22H40O4	1000309-70-6	47
4			Carbonic acid, di(decyl) ester	342	C21H42O3	1000383-15-9	46
5			Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

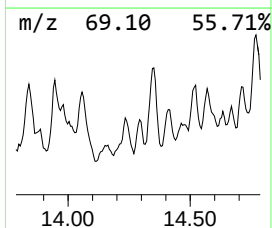
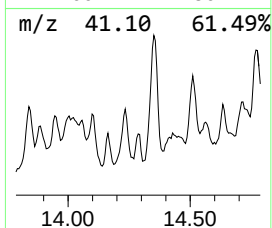
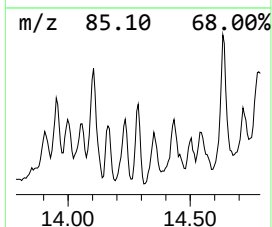
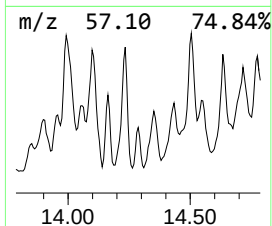
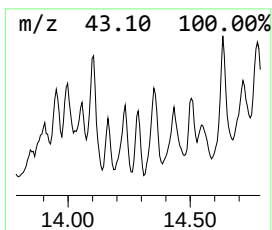
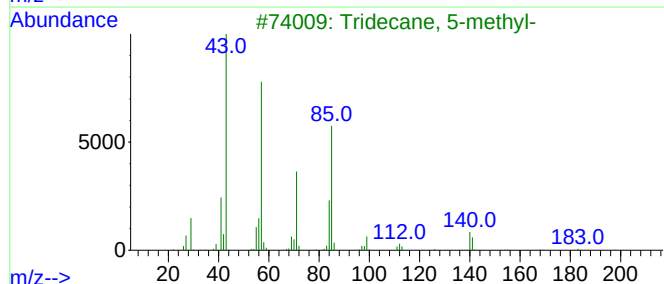
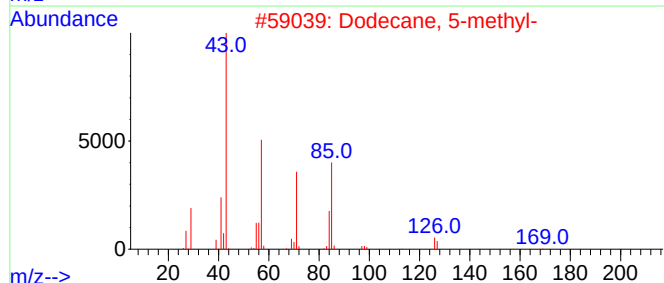
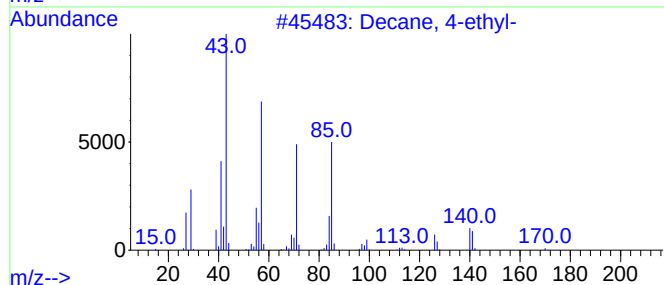
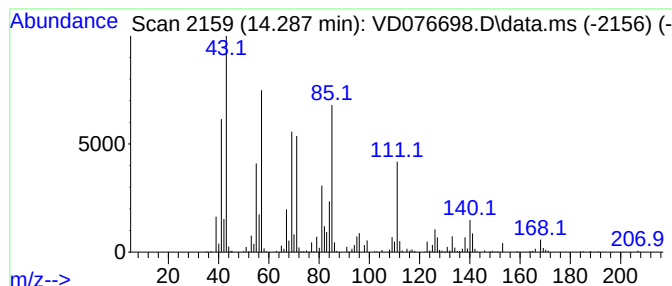
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.287	10.32 ug/L	662039	1,4-Dichlorobenzene-d4			13.516
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-		170	C12H26	001636-44-8	90
2	Dodecane, 5-methyl-		184	C13H28	017453-93-9	47
3	Tridecane, 5-methyl-		198	C14H30	025117-31-1	46
4	Undecane, 5-methyl-		170	C12H26	001632-70-8	43
5	Undecane, 2-methyl-		170	C12H26	007045-71-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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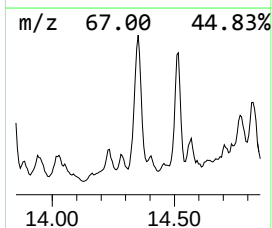
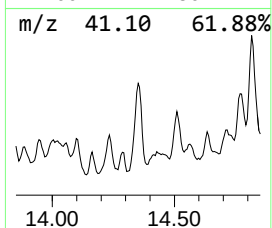
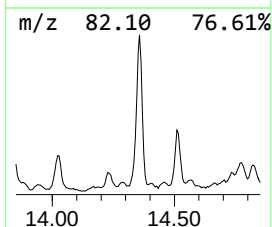
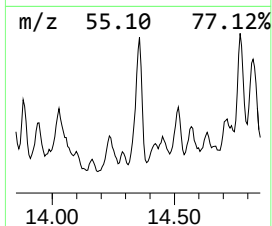
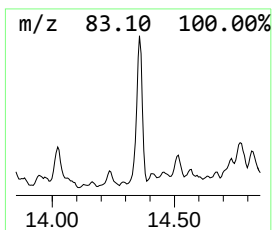
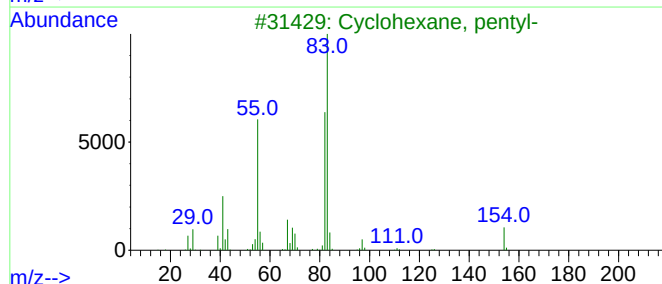
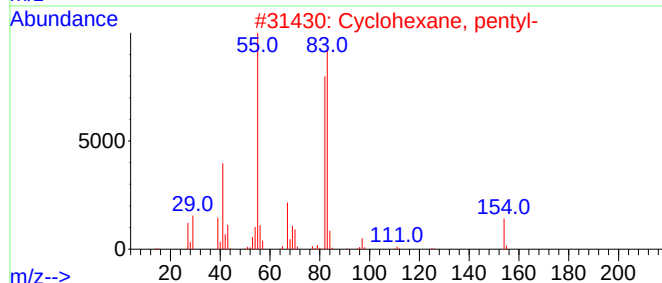
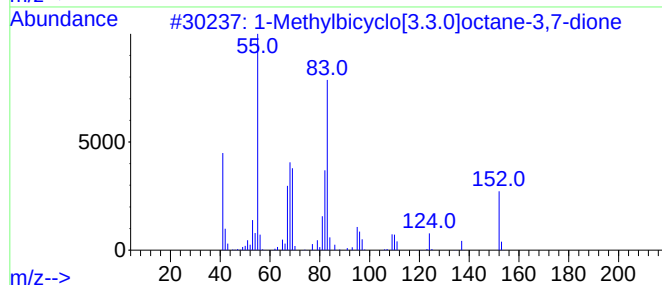
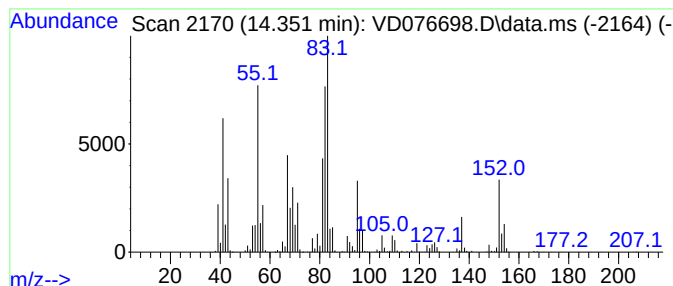
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1-Methylbicyclo[3.3.0]octan... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	82.69 ug/L	5304010	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	64
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
5			Cyclohexane, undecyl-	238	C17H34	054105-66-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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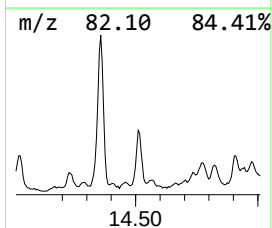
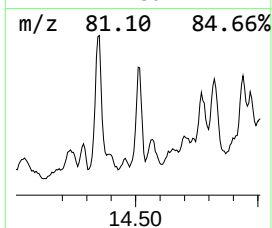
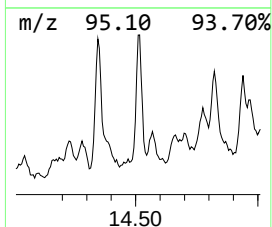
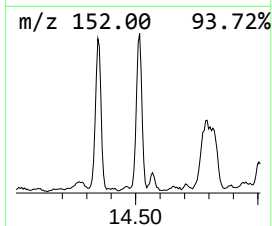
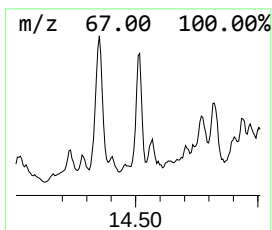
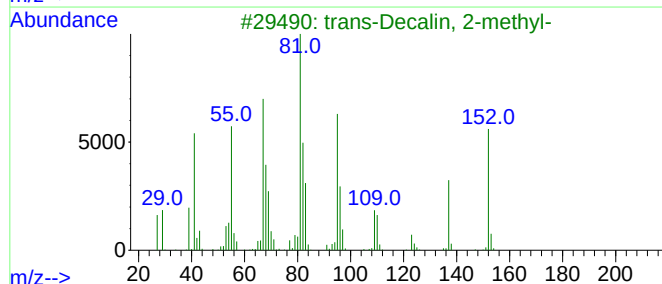
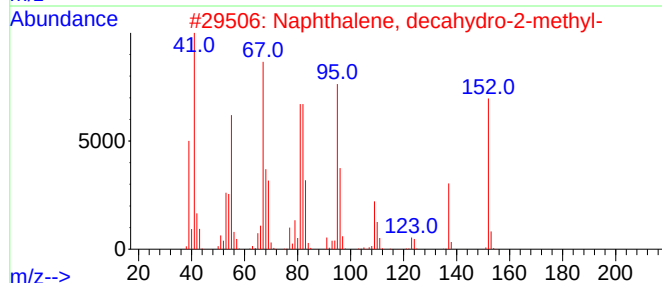
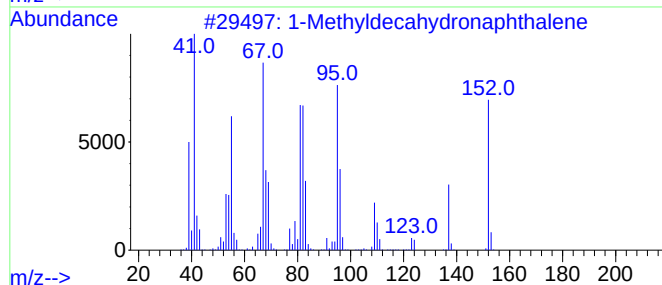
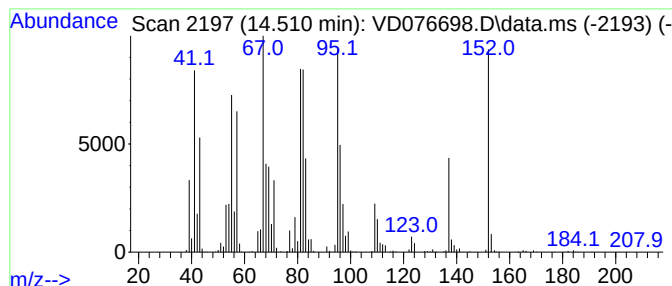
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1-Methyldecahydronaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.510	30.91 ug/L	1982870	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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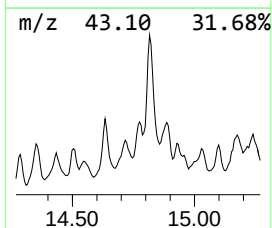
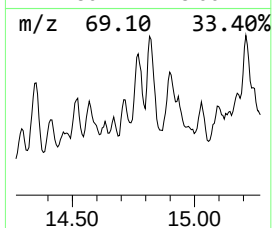
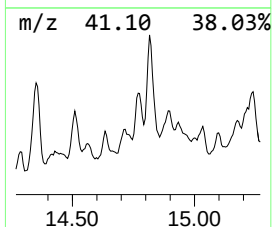
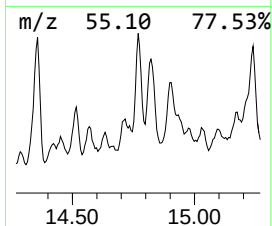
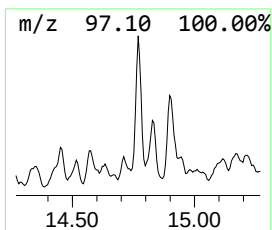
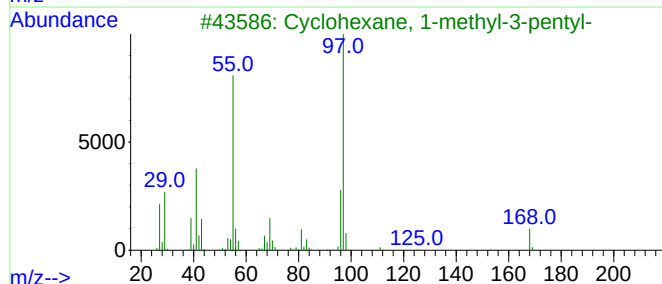
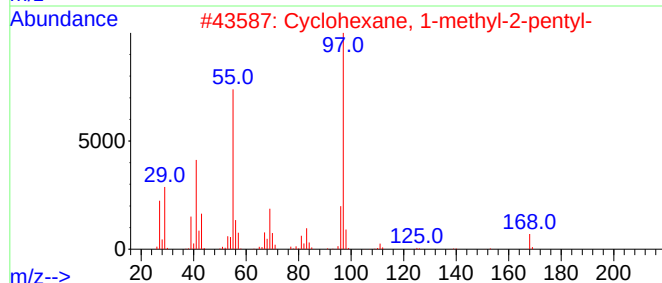
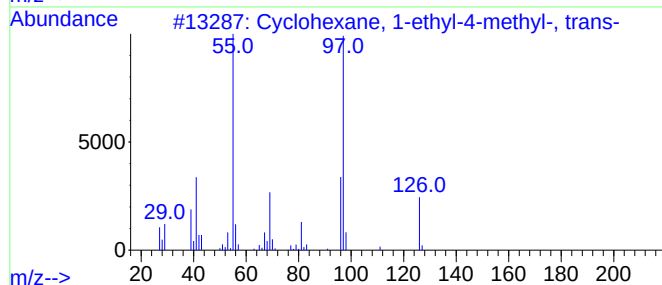
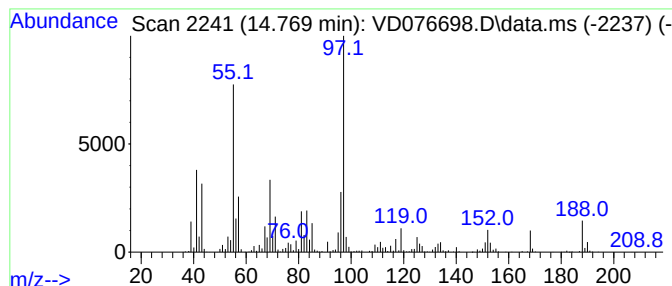
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic14.769 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	49.53 ug/L	3177130	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	60
2			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	58
3			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	52
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	52
5			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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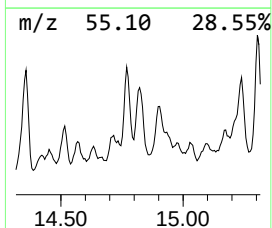
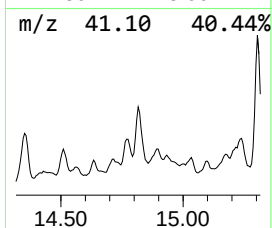
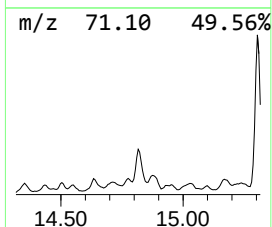
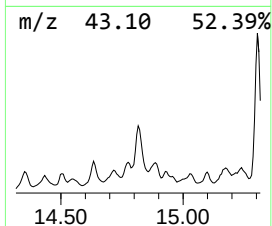
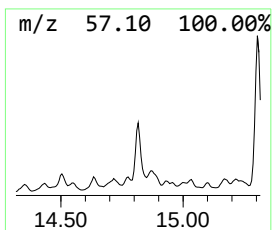
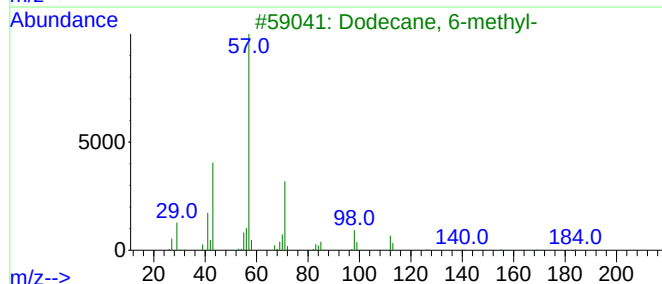
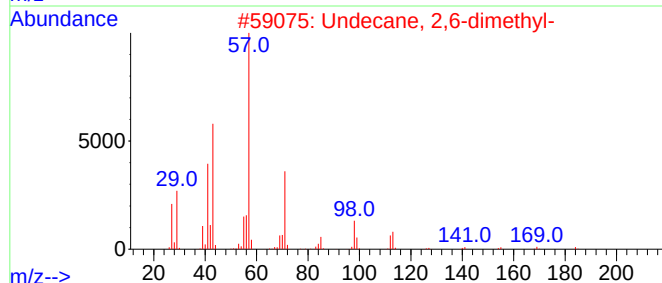
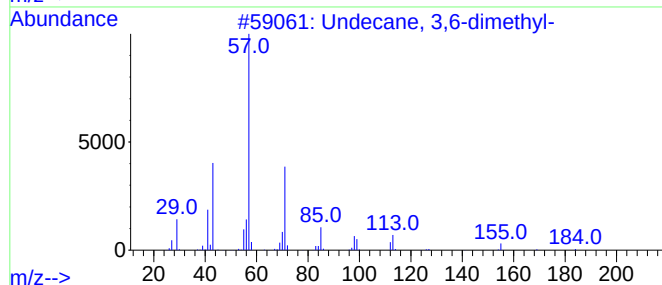
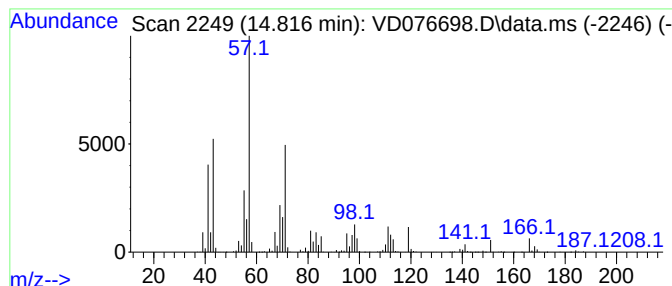
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	77.20 ug/L	4952000	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
3			Dodecane, 6-methyl-	184	C13H28	006044-71-9	50
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	49
5			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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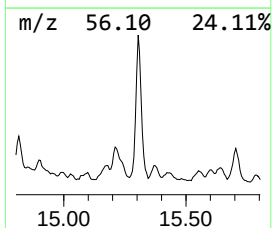
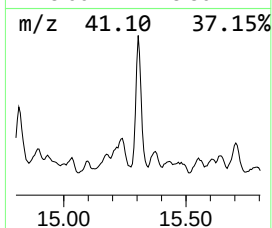
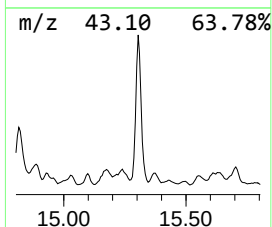
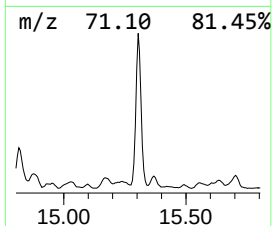
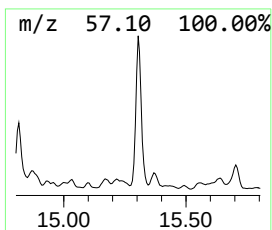
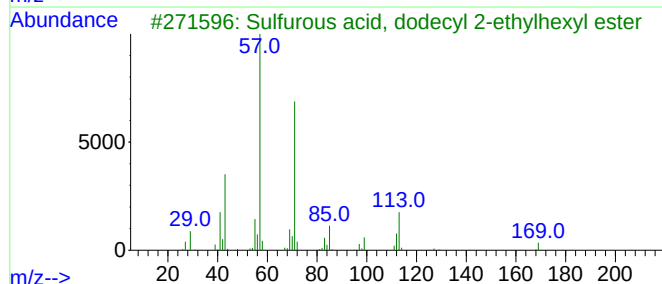
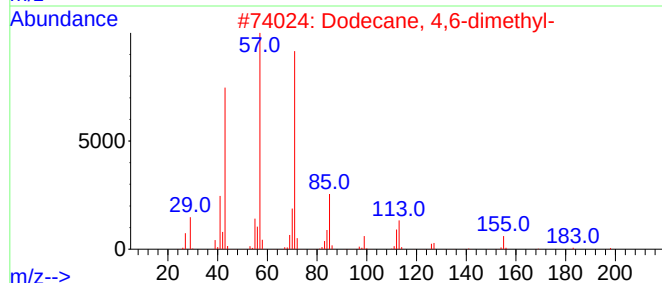
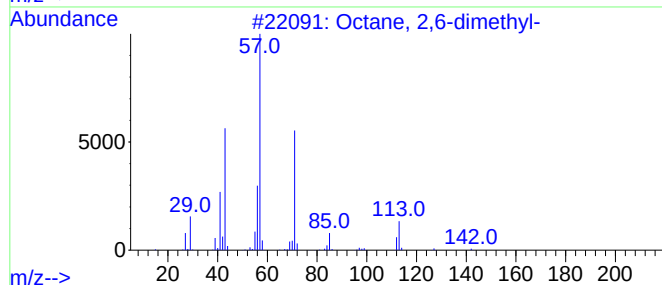
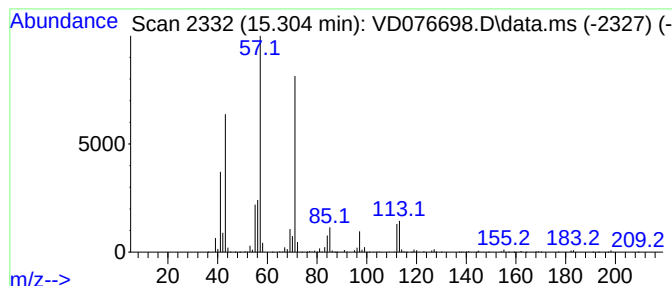
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	141.80 ug/L	9095520	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
3			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17RE
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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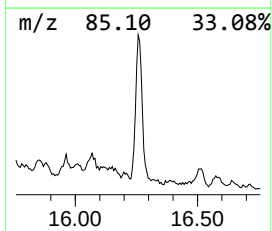
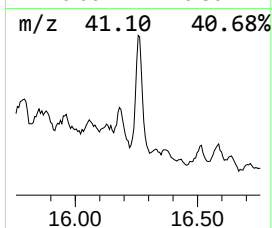
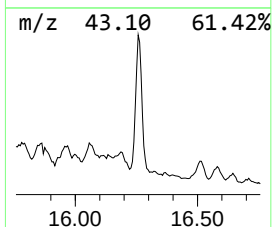
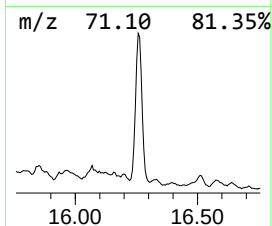
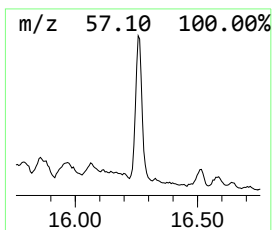
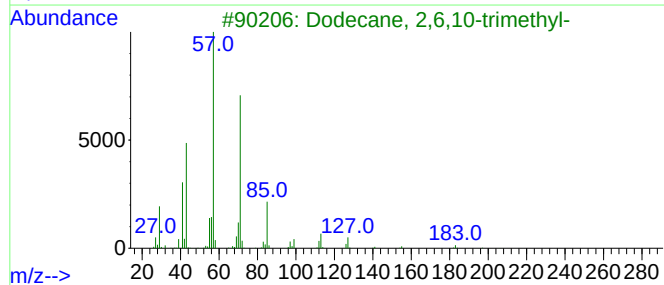
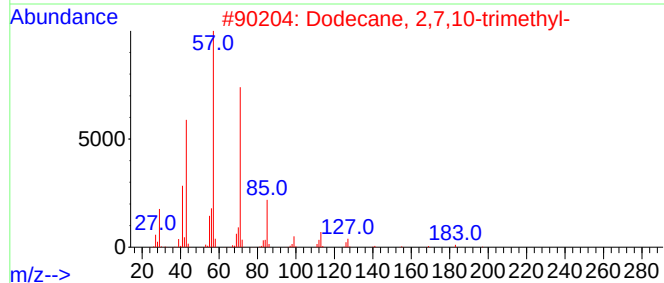
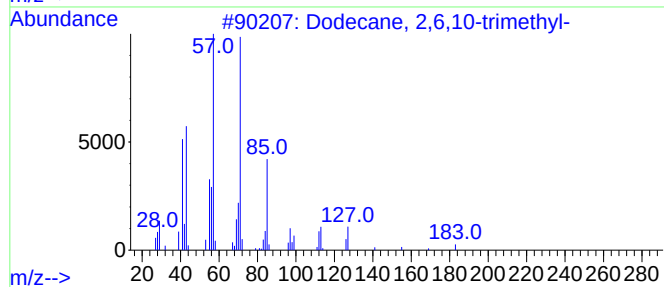
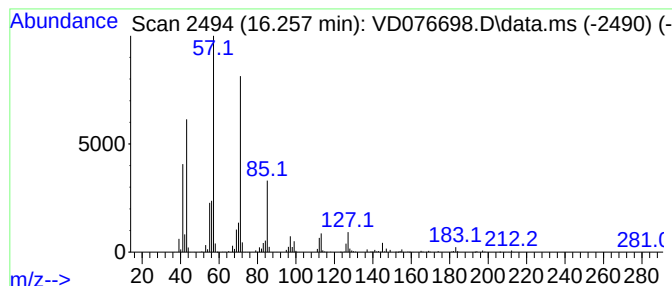
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.257	43.36 ug/L	2781110	1,4-Dichlorobenzene-d4	13.516

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076698.D
 Acq On : 03 Jul 2023 17:48
 Operator : KP/SY
 Sample : 03444-17RE
 Misc : 4.13G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46X8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	11.181	1.3	ug/L	45751	2	11.581	860660	25.0
(DEL) Alkane: S...	11.469	1.7	ug/L	58707	2	11.581	860660	25.0
(DEL) Alkane: C...	11.828	1.5	ug/L	49985	2	11.581	860660	25.0
(DEL) Alkane: S...	12.210	5.7	ug/L	194437	2	11.581	860660	25.0
unknown-01	12.328	7.0	ug/L	242537	2	11.581	860660	25.0
(DEL) Alkane: C...	12.734	5.4	ug/L	346645	3	13.516	1603580	25.0
(DEL) Alkane: S...	12.822	5.0	ug/L	321009	3	13.516	1603580	25.0
(DEL) Alkane: S...	12.898	14.1	ug/L	901822	3	13.516	1603580	25.0
Decane, 1,1'-ox...	13.040	5.7	ug/L	363267	3	13.516	1603580	25.0
(DEL) Alkane: S...	13.092	4.5	ug/L	286228	3	13.516	1603580	25.0
(DEL) Alkane: S...	13.310	5.1	ug/L	328631	3	13.516	1603580	25.0
(DEL) Alkane: C...	13.410	25.0	ug/L	1603580	3	13.516	1603580	25.0
(DEL) Alkane: S...	14.163	13.6	ug/L	874665	3	13.516	1603580	25.0
unknown-02	14.234	21.1	ug/L	1351050	3	13.516	1603580	25.0
(DEL) Alkane: S...	14.287	10.3	ug/L	662039	3	13.516	1603580	25.0
1-Methylbicyclo...	14.351	82.7	ug/L	5304010	3	13.516	1603580	25.0
1-Methyldecahyd...	14.510	30.9	ug/L	1982870	3	13.516	1603580	25.0
(DEL) Alkane: C...	14.769	49.5	ug/L	3177130	3	13.516	1603580	25.0
(DEL) Alkane: S...	14.816	77.2	ug/L	4952000	3	13.516	1603580	25.0
(DEL) Alkane: S...	15.304	141.8	ug/L	9095520	3	13.516	1603580	25.0
(DEL) Alkane: S...	16.257	43.4	ug/L	2781110	3	13.516	1603580	25.0