

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076668.D
 Acq On : 30 Jun 2023 17:54
 Operator : KP/SY
 Sample : 03472-22
 Misc : 4.30G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46R3

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: VD076668.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	12	26	38	rBV	1192990	2034685	48.33%	19.126%
2	1.893	49	52	56	rVB3	11478	13868	0.33%	0.130%
3	2.269	111	116	122	rVB	73283	114920	2.73%	1.080%
4	2.793	199	205	214	rVB	73546	137190	3.26%	1.290%
5	3.175	268	270	272	rVB2	936	658	0.02%	0.006%
6	3.528	328	330	331	rBV	662	570	0.01%	0.005%
7	3.540	331	332	334	rVV2	1483	755	0.02%	0.007%
8	3.564	334	336	338	rVV2	841	632	0.02%	0.006%
9	3.611	342	344	347	rVV	943	959	0.02%	0.009%
10	3.746	362	367	372	rBV	1808	2774	0.07%	0.026%
11	3.781	372	373	375	rBV	1256	822	0.02%	0.008%
12	3.911	385	395	405	rBV	67729	181750	4.32%	1.708%
13	4.022	405	414	426	rBV2	23191	66094	1.57%	0.621%
14	4.169	437	439	440	rBV	1747	1215	0.03%	0.011%
15	4.258	449	454	458	rBV5	3447	6984	0.17%	0.066%
16	4.322	463	465	467	rBV	1102	1046	0.02%	0.010%
17	4.387	475	476	477	rBV	1483	580	0.01%	0.005%
18	4.522	497	499	500	rVV	1510	752	0.02%	0.007%
19	4.546	502	503	505	rVB	1455	572	0.01%	0.005%
20	4.575	505	508	511	rBV2	843	970	0.02%	0.009%
21	4.805	538	547	556	rVV7	7391	24827	0.59%	0.233%
22	4.869	556	558	559	rVB2	1171	682	0.02%	0.006%
23	4.958	571	573	575	rBV2	736	607	0.01%	0.006%
24	5.063	589	591	594	rVB3	1307	1232	0.03%	0.012%
25	5.087	594	595	598	rBV	875	774	0.02%	0.007%
26	5.275	623	627	628	rBV2	1540	2013	0.05%	0.019%
27	5.463	656	659	661	rVB2	1106	774	0.02%	0.007%
28	5.563	675	676	680	rVB2	1191	994	0.02%	0.009%
29	5.593	680	681	683	rBV	739	670	0.02%	0.006%
30	5.640	686	689	691	rBV2	1634	1706	0.04%	0.016%
31	5.758	707	709	712	rVB	770	618	0.01%	0.006%
32	5.781	712	713	715	rBV2	855	675	0.02%	0.006%
33	5.822	718	720	721	rBV	1759	1270	0.03%	0.012%
34	5.905	733	734	737	rBV2	1335	837	0.02%	0.008%
35	5.934	737	739	742	rVB2	725	649	0.02%	0.006%
36	5.975	744	746	747	rBV	1003	813	0.02%	0.008%

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Integrator: RTE

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

37	6.110	768	769	770	rBV	1643	790	0.02%	0.007%
38	6.157	773	777	779	rVB2	1313	1236	0.03%	0.012%
39	6.205	783	785	788	rVB2	1244	1213	0.03%	0.011%
40	6.246	788	792	797	rVB2	1269	1366	0.03%	0.013%
41	6.281	797	798	800	rBV2	849	579	0.01%	0.005%
42	6.328	802	806	808	rVV2	817	1131	0.03%	0.011%
43	6.375	812	814	816	rBV	683	600	0.01%	0.006%
44	6.593	850	851	854	rBV2	1169	1118	0.03%	0.011%
45	6.640	858	859	862	rBV	1008	945	0.02%	0.009%
46	6.710	868	871	873	rVB2	712	716	0.02%	0.007%
47	6.734	873	875	877	rBV2	1226	1223	0.03%	0.011%
48	6.793	881	885	886	rBV2	1051	947	0.02%	0.009%
49	6.810	886	888	890	rVB2	1887	948	0.02%	0.009%
50	6.875	897	899	900	rBV	1585	887	0.02%	0.008%
51	6.987	907	918	928	rBV	29004	84772	2.01%	0.797%
52	7.087	929	935	945	rVB2	11346	32735	0.78%	0.308%
53	7.234	958	960	962	rBV2	751	567	0.01%	0.005%
54	7.293	967	970	973	rVB2	771	1018	0.02%	0.010%
55	7.387	984	986	987	rBV	851	568	0.01%	0.005%
56	7.481	999	1002	1004	rBV2	1089	1449	0.03%	0.014%
57	7.563	1006	1016	1028	rVV2	114033	303509	7.21%	2.853%
58	7.663	1031	1033	1036	rVB	849	824	0.02%	0.008%
59	7.740	1044	1046	1047	rBV	1372	791	0.02%	0.007%
60	7.781	1050	1053	1054	rBV	890	801	0.02%	0.008%
61	7.799	1054	1056	1058	rVB2	1568	990	0.02%	0.009%
62	7.934	1078	1079	1081	rBV	950	857	0.02%	0.008%
63	8.063	1098	1101	1102	rBV2	1821	1494	0.04%	0.014%
64	8.134	1111	1113	1114	rVB2	1127	728	0.02%	0.007%
65	8.199	1114	1124	1138	rBV3	195419	622970	14.80%	5.856%
66	8.410	1155	1160	1161	rBV3	1886	2979	0.07%	0.028%
67	8.646	1196	1200	1202	rVV2	1789	2048	0.05%	0.019%
68	8.775	1213	1222	1232	rBV	242185	484865	11.52%	4.558%
69	8.893	1240	1242	1245	rVB	1803	1586	0.04%	0.015%
70	8.928	1245	1248	1252	rBV	1167	1194	0.03%	0.011%
71	9.004	1258	1261	1266	rVB5	2893	4711	0.11%	0.044%
72	9.204	1287	1295	1302	rBV2	149305	320047	7.60%	3.008%
73	9.393	1326	1327	1329	rVB	1104	655	0.02%	0.006%
74	9.410	1329	1330	1333	rBV2	1315	964	0.02%	0.009%
75	9.463	1335	1339	1340	rBV2	2199	2761	0.07%	0.026%
76	9.546	1349	1353	1358	rBV4	2671	3252	0.08%	0.031%

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Integration Parameters: LSCINT.P

Integrator: RTE

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 Title : SFAM01.0

77	9.604	1359	1363	1368	rVB3	2792	4928	0.12%	0.046%
78	9.698	1373	1379	1385	rVB4	4991	9054	0.22%	0.085%
79	9.757	1387	1389	1391	rBV2	1563	1059	0.03%	0.010%
80	9.840	1393	1403	1410	rBV5	5636	13063	0.31%	0.123%
81	9.910	1410	1415	1418	rBV5	7472	14868	0.35%	0.140%
82	9.975	1421	1426	1433	rVB2	73897	133225	3.16%	1.252%
83	10.146	1453	1455	1456	rBV	1209	792	0.02%	0.007%
84	10.269	1468	1476	1488	rBV	199202	374744	8.90%	3.523%
85	10.387	1494	1496	1500	rBV3	1750	2177	0.05%	0.020%
86	10.434	1501	1504	1505	rBV2	3394	2865	0.07%	0.027%
87	10.528	1513	1520	1530	rBV	47092	86461	2.05%	0.813%
88	10.610	1530	1534	1538	rVB6	4880	7282	0.17%	0.068%
89	10.875	1571	1579	1589	rBV2	107866	203380	4.83%	1.912%
90	10.987	1593	1598	1607	rBV4	11511	27960	0.66%	0.263%
91	11.175	1627	1630	1637	rVB3	18237	32469	0.77%	0.305%
92	11.234	1637	1640	1643	rVB5	5415	7035	0.17%	0.066%
93	11.293	1646	1650	1654	rBV5	12102	22036	0.52%	0.207%
94	11.469	1675	1680	1685	rBV2	22867	40980	0.97%	0.385%
95	11.581	1691	1699	1707	rBV	212508	378962	9.00%	3.562%
96	11.828	1736	1741	1745	rBV2	31258	54303	1.29%	0.510%
97	12.022	1770	1774	1778	rVB3	23937	39632	0.94%	0.373%
98	12.210	1803	1806	1811	rVB2	94209	134099	3.19%	1.261%
99	12.651	1874	1881	1887	rBV3	147002	337039	8.01%	3.168%
100	15.304	2328	2332	2338	rVB	2867577	4210072	100.00%	39.575%

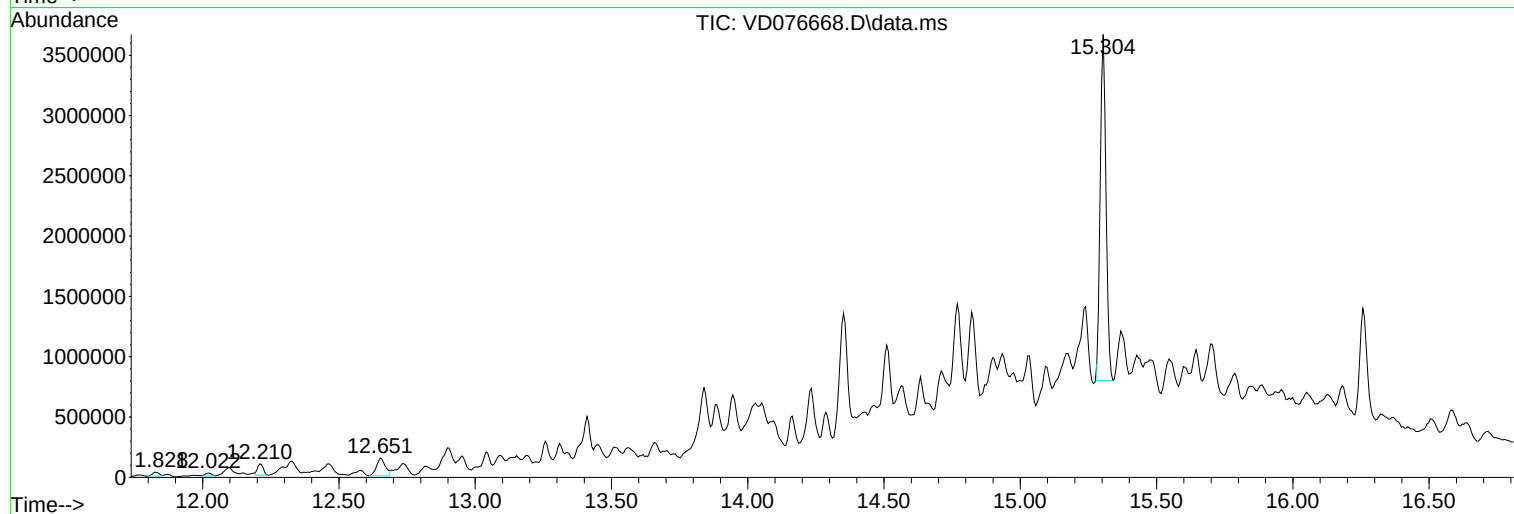
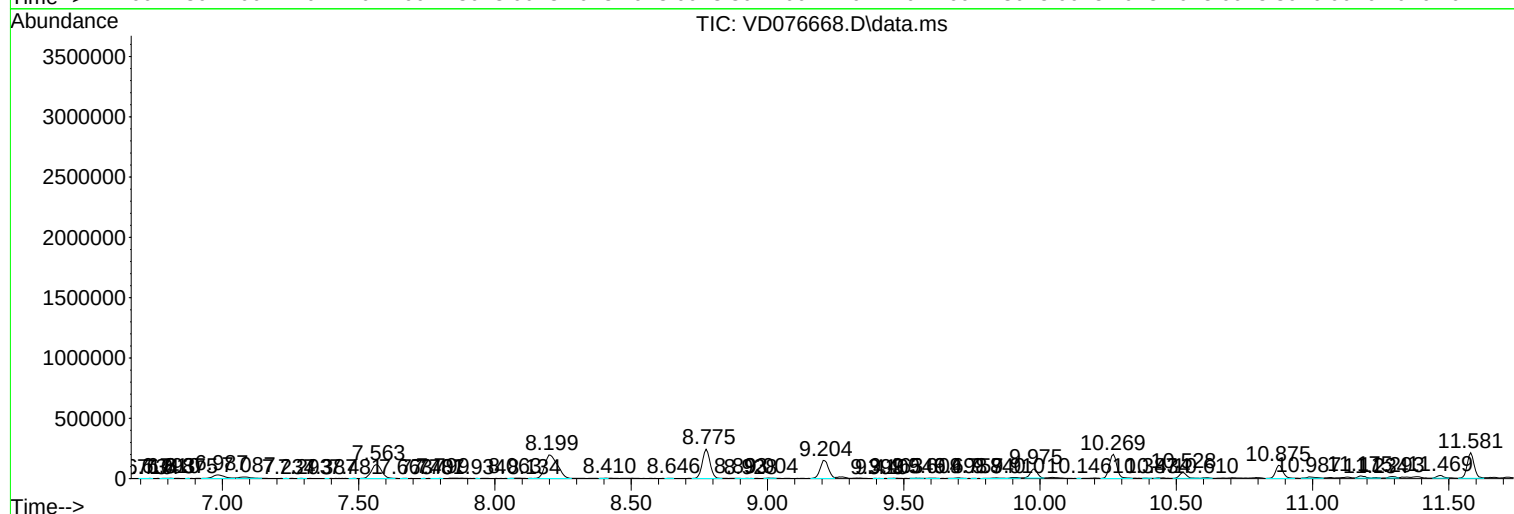
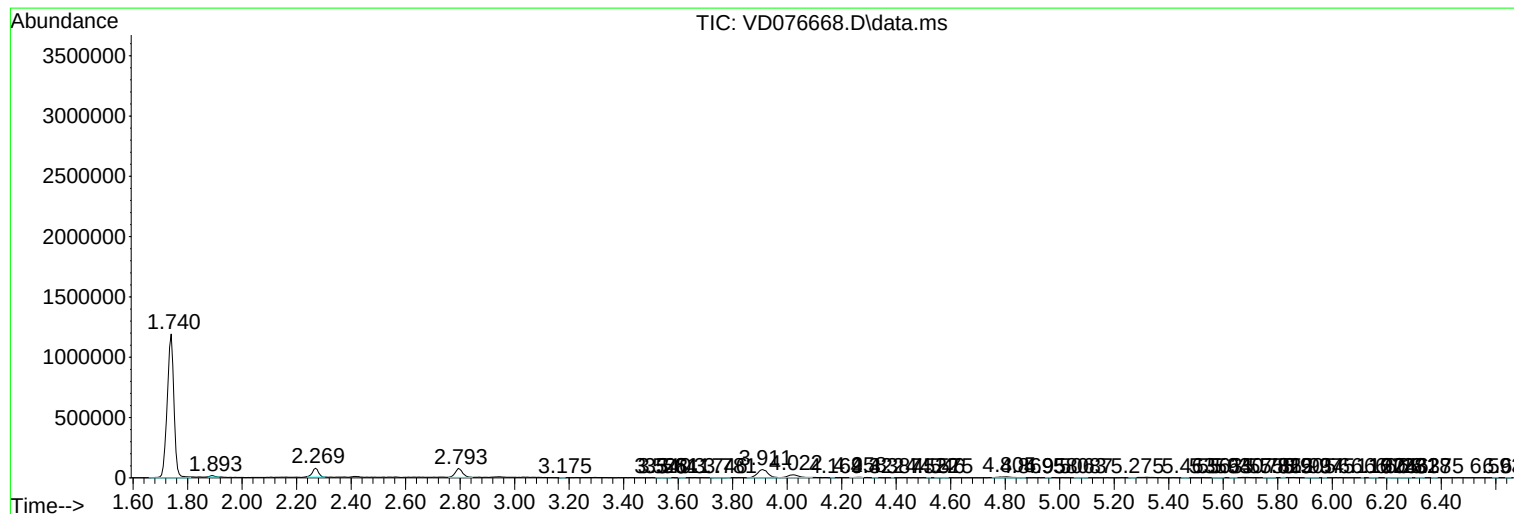
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46R3

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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Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

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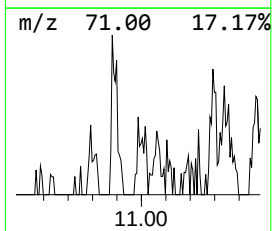
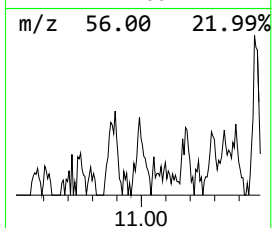
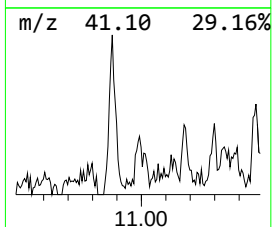
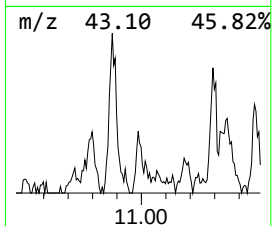
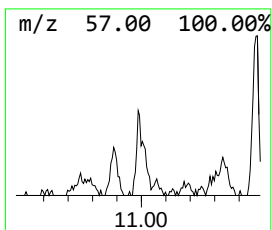
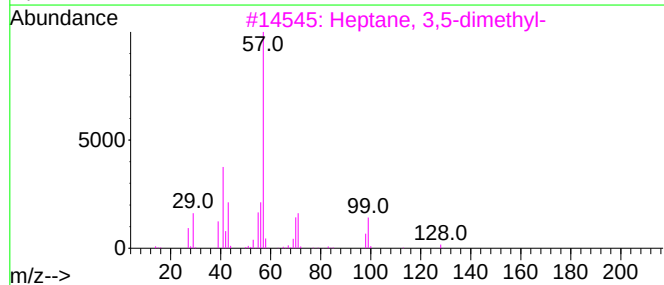
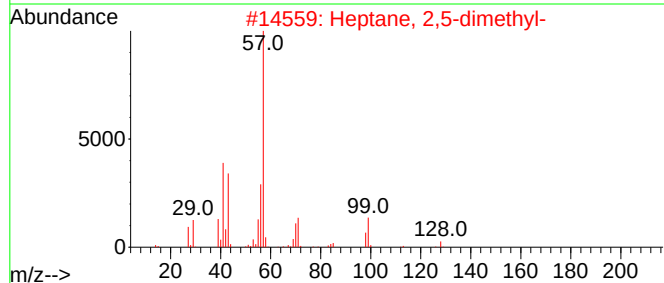
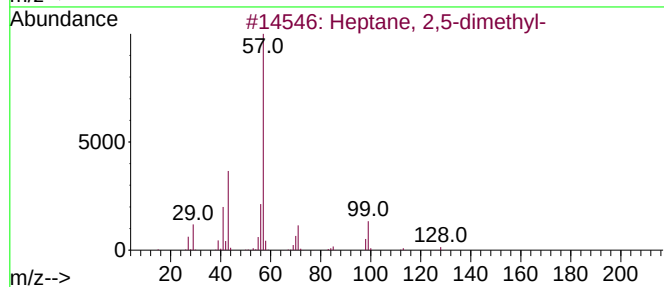
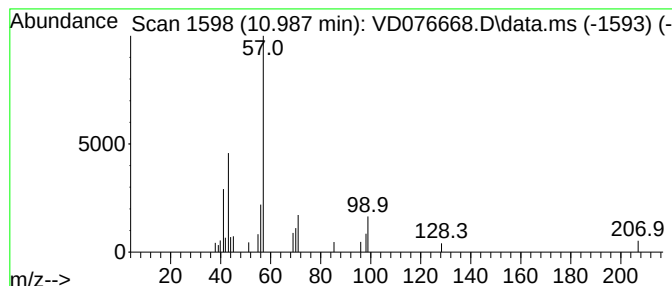
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.987	1.84 ug/L	27960	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53



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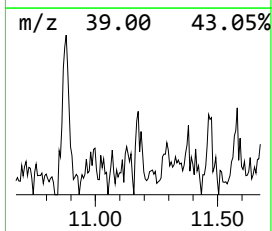
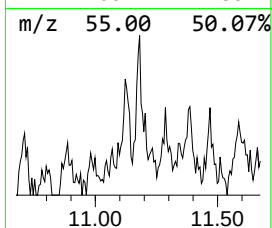
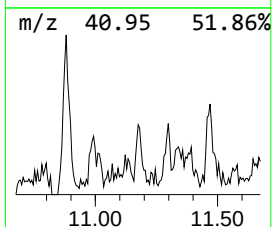
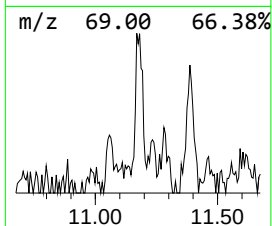
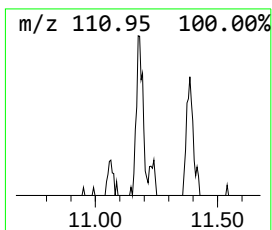
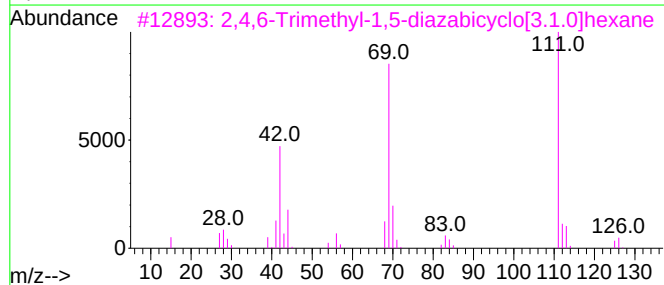
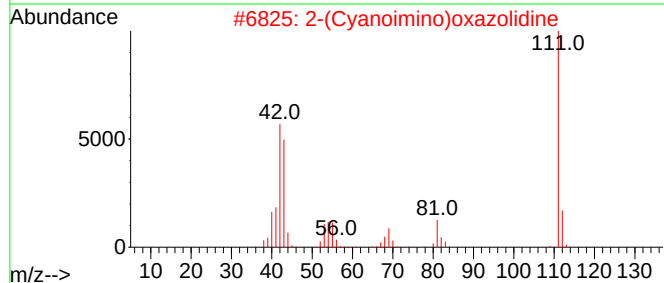
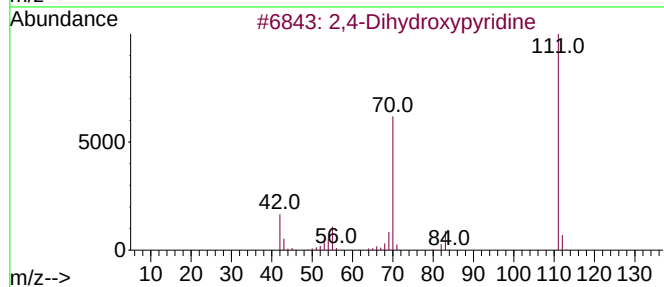
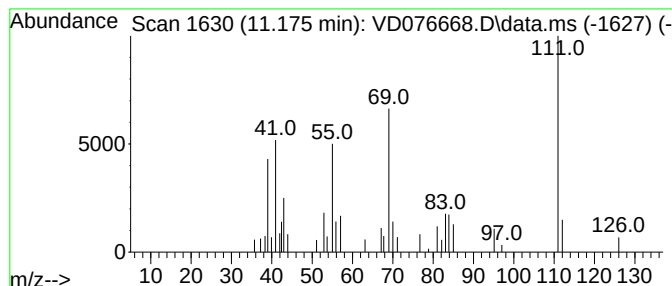
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 2,4-Dihydroxypyridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	2.14 ug/L	32469	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Dihydroxypyridine	111	C5H5N02	000626-03-9	53
2			2-(Cyanoimino)oxazolidine	111	C4H5N3O	050411-06-8	47
3			2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	47
4			Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	46
5			Silane, 1-butylnyltrimethyl-	126	C7H14Si	062108-37-6	43



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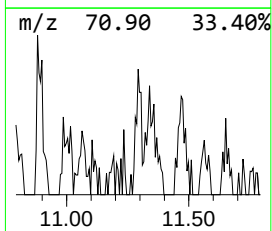
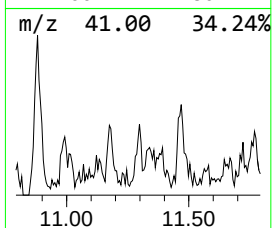
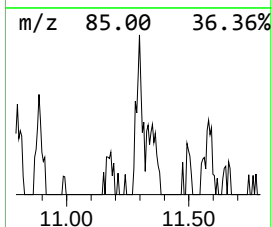
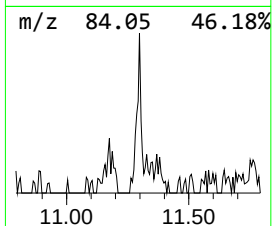
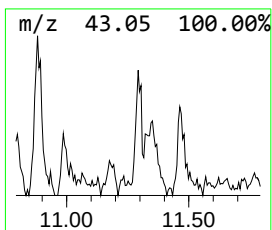
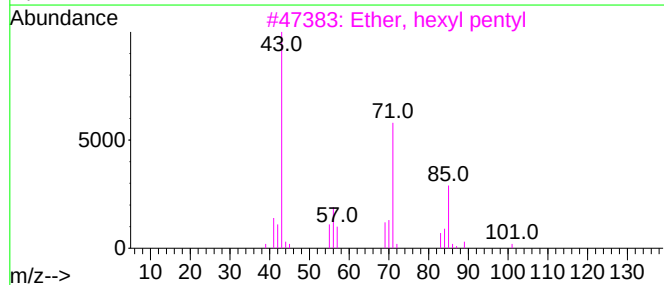
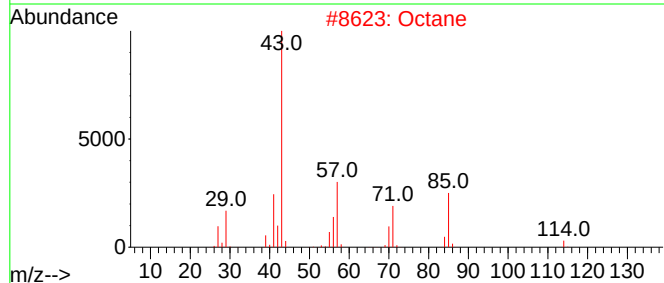
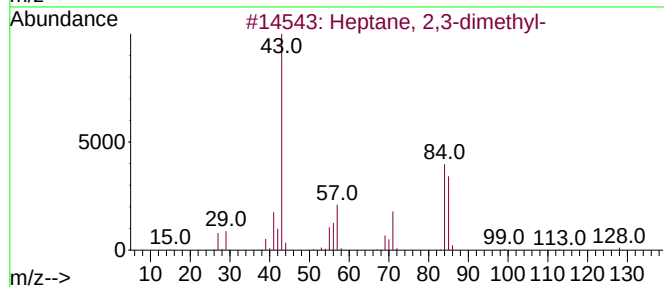
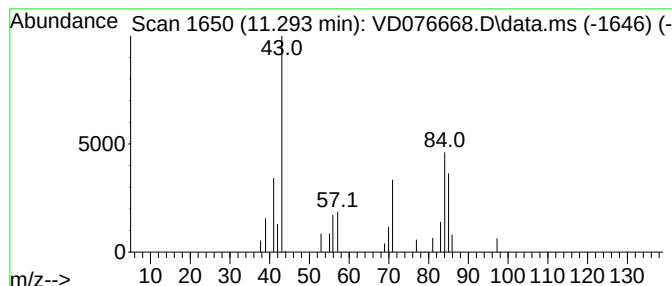
Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.293	1.45 ug/L	22036	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
2	Octane	114	C8H18	000111-65-9	43
3	Ether, hexyl pentyl	172	C11H24O	032357-83-8	42
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	42
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

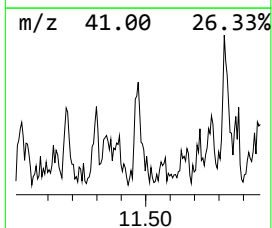
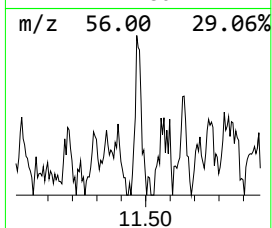
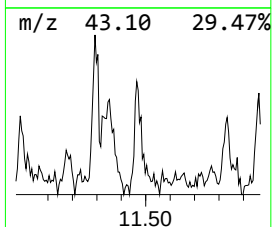
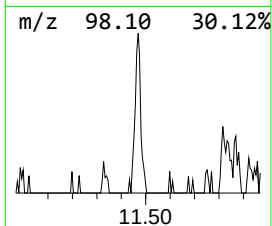
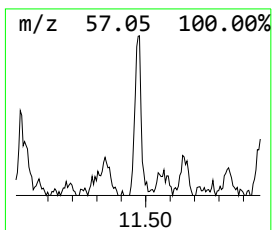
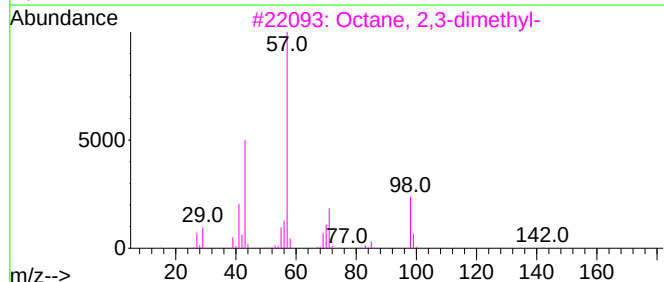
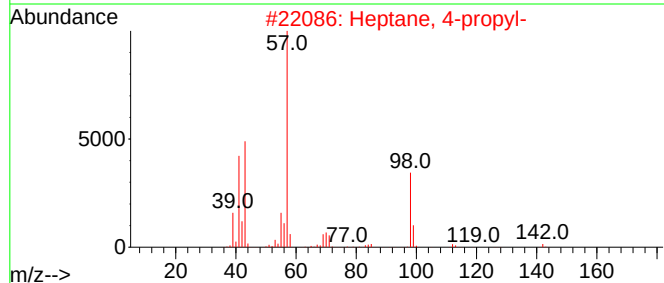
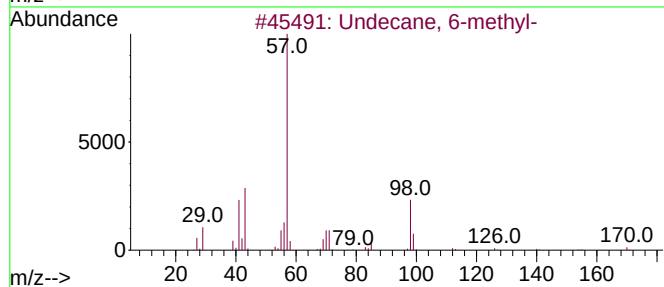
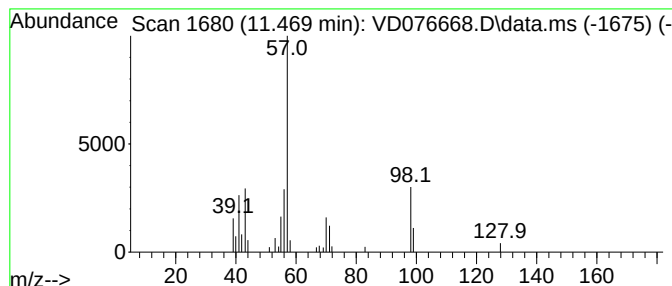
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.469	2.70 ug/L	40980	Chlorobenzene-d5		11.581	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 6-methyl-		170	C12H26	017302-33-9	64
2	Heptane, 4-propyl-		142	C10H22	003178-29-8	59
3	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	53
4	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	53
5	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

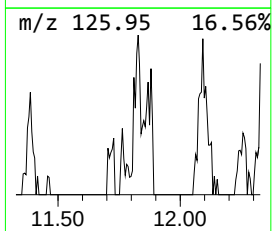
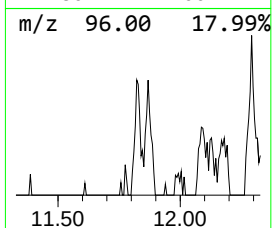
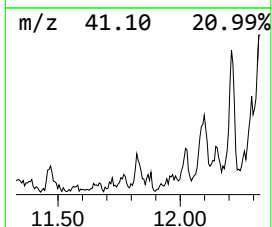
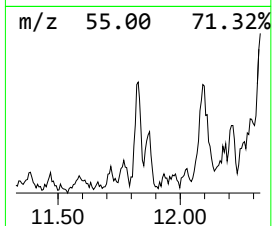
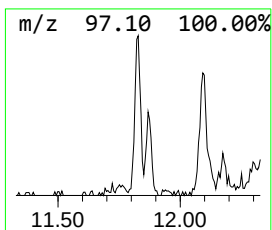
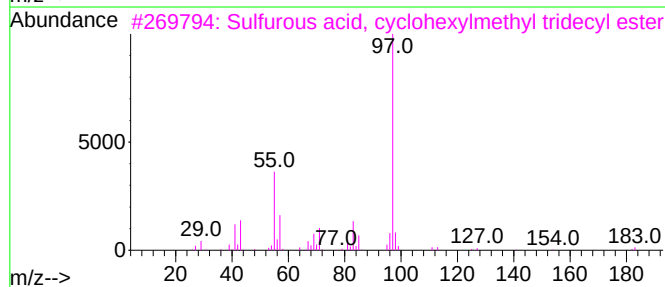
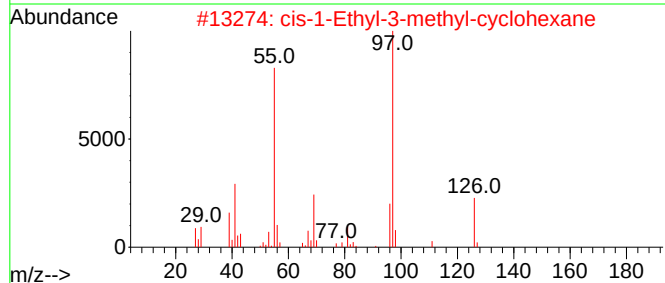
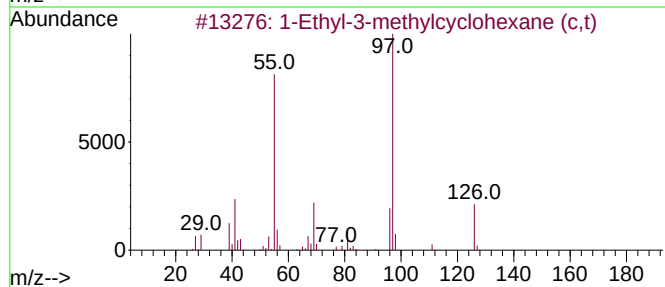
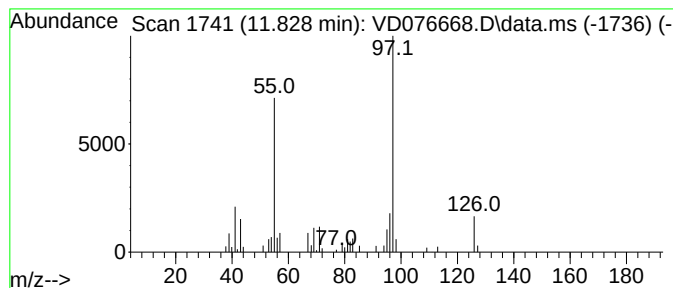
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.828 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.828	3.58 ug/L	54303	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
3	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	64
4	1H-Pyrazole, 4,5-dihydro-3-methy...	126	C7H14N2	026964-49-8	59
5	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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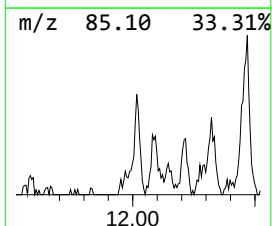
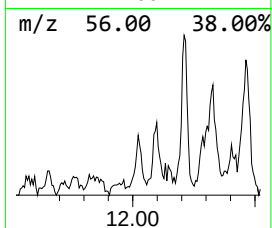
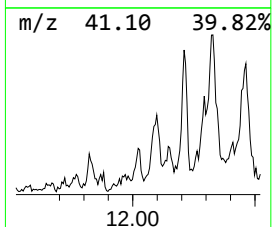
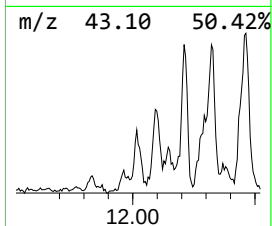
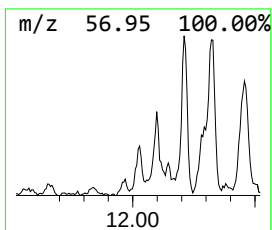
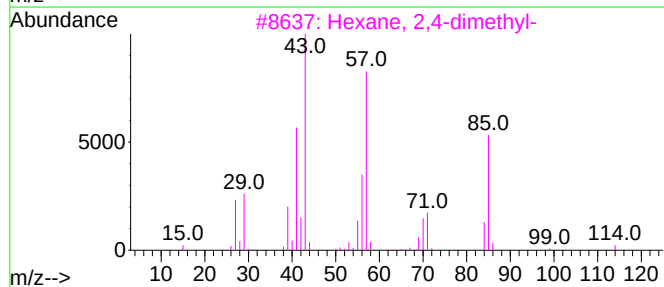
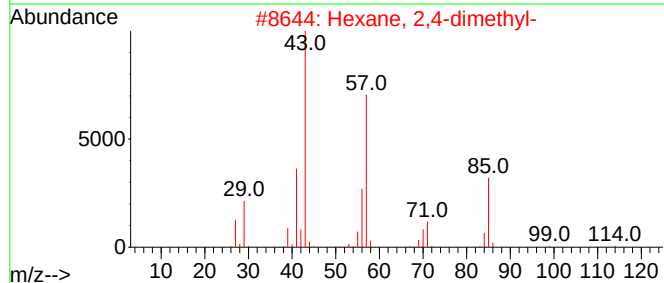
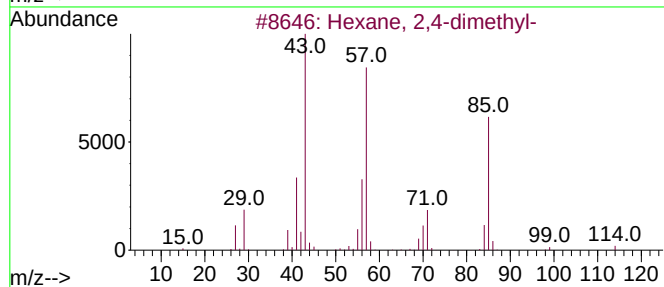
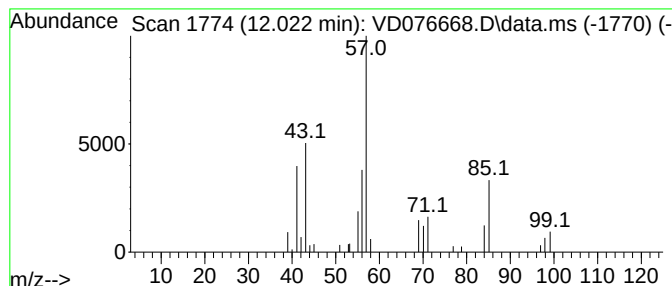
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	2.61 ug/L	39632	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46R3

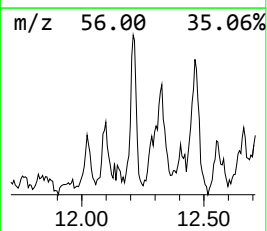
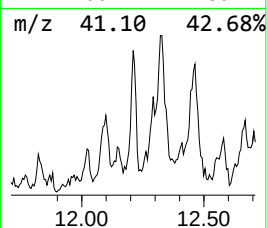
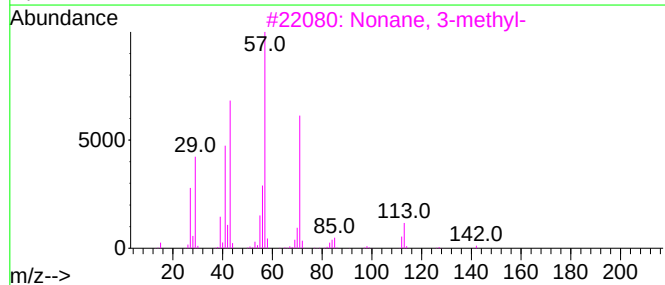
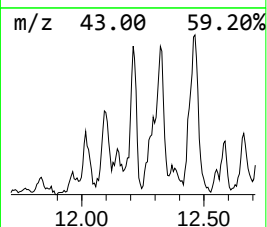
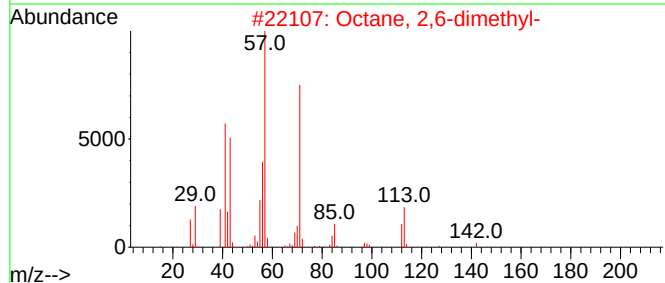
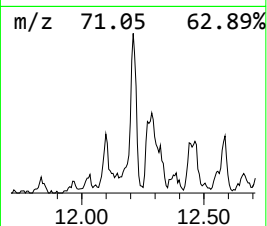
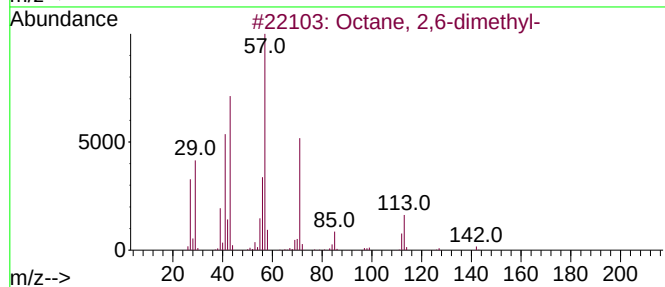
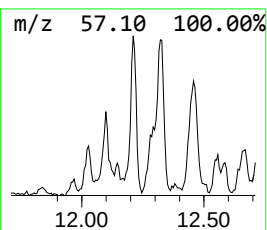
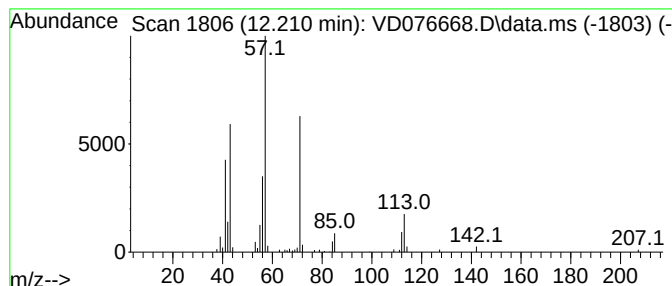
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	8.85 ug/L	134099	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46R3

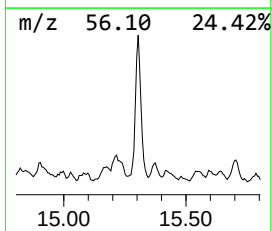
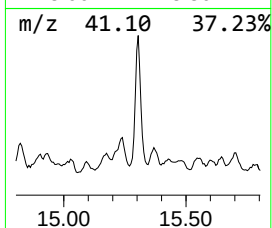
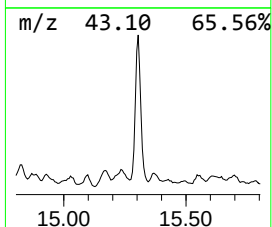
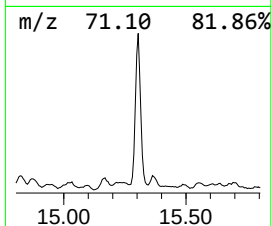
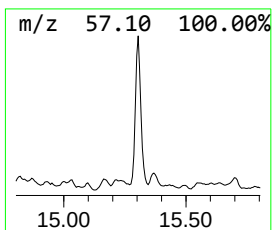
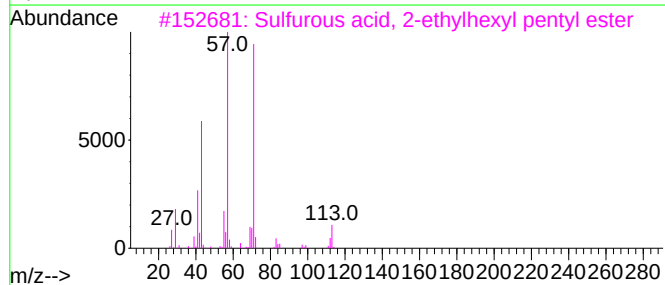
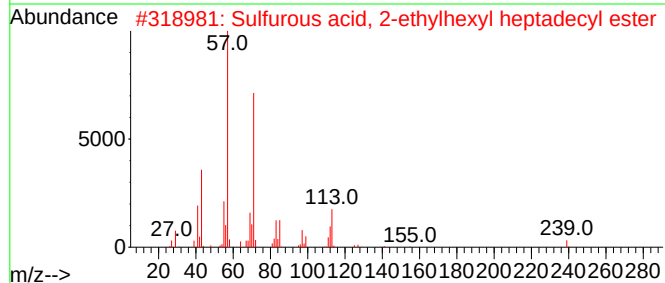
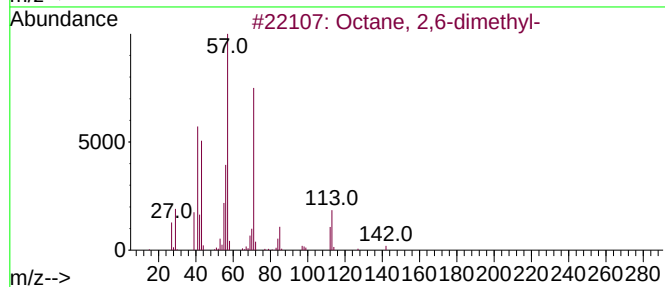
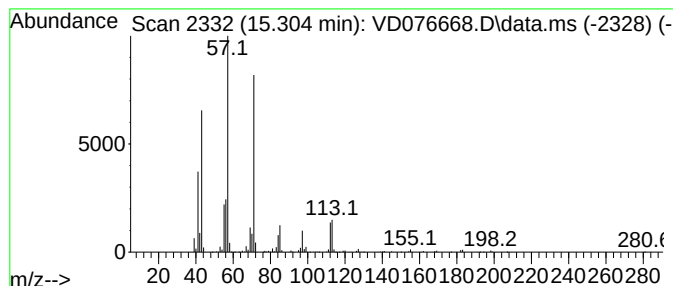
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	312.28 ug/L	4210070	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	87
2		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
3		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
4		6-Methyl-2-heptanol, 2-methylpro...	200	C12H24O2	1000447-36-7	64
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076668.D
Acq On : 30 Jun 2023 17:54
Operator : KP/SY
Sample : 03472-22
Misc : 4.30G/10.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46R3

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	10.987	1.8	ug/L	27960	2	11.581	378962	25.0
2,4-Dihydroxypy...	11.175	2.1	ug/L	32469	2	11.581	378962	25.0
(DEL) Alkane: S...	11.293	1.5	ug/L	22036	2	11.581	378962	25.0
(DEL) Alkane: S...	11.469	2.7	ug/L	40980	2	11.581	378962	25.0
(DEL) Alkane: C...	11.828	3.6	ug/L	54303	2	11.581	378962	25.0
(DEL) Alkane: S...	12.022	2.6	ug/L	39632	2	11.581	378962	25.0
(DEL) Alkane: S...	12.210	8.8	ug/L	134099	2	11.581	378962	25.0
(DEL) Alkane: S...	15.304	312.3	ug/L	4210070	3	13.516	337039	25.0