

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
 Data File : VD076639.D
 Acq On : 29 Jun 2023 15:26
 Operator : KP/SY
 Sample : 03458-15
 Misc : 5.31G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46M8

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: VD076639.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.734	12	25	40	rBV	555812	1071286	33.56%	7.607%
2	1.887	48	51	57	rBV3	10892	17423	0.55%	0.124%
3	2.111	85	89	91	rBV4	2618	2787	0.09%	0.020%
4	2.146	93	95	98	rBV	2664	2280	0.07%	0.016%
5	2.264	107	115	122	rBV	102008	163782	5.13%	1.163%
6	2.416	137	141	142	rVB4	2780	3401	0.11%	0.024%
7	2.481	150	152	155	rBV4	2401	2108	0.07%	0.015%
8	2.564	161	166	170	rBV3	4083	7038	0.22%	0.050%
9	2.693	187	188	190	rVB2	2792	1445	0.05%	0.010%
10	2.793	199	205	213	rVB	96707	179064	5.61%	1.272%
11	2.869	216	218	220	rVB2	3869	2929	0.09%	0.021%
12	2.893	220	222	223	rBV	1779	920	0.03%	0.007%
13	2.911	223	225	226	rBV2	1707	1302	0.04%	0.009%
14	3.287	285	289	293	rBV4	1408	2027	0.06%	0.014%
15	3.352	298	300	305	rVB3	1524	1719	0.05%	0.012%
16	3.463	318	319	325	rVB4	818	1010	0.03%	0.007%
17	3.622	342	346	351	rVB5	1760	3053	0.10%	0.022%
18	3.663	351	353	356	rBV3	1170	1309	0.04%	0.009%
19	3.752	365	368	370	rVB	981	930	0.03%	0.007%
20	3.805	373	377	378	rBV	992	1021	0.03%	0.007%
21	3.911	384	395	406	rBV2	97039	259197	8.12%	1.841%
22	4.022	407	414	422	rBV	25032	60119	1.88%	0.427%
23	4.234	449	450	452	rVV2	2106	1714	0.05%	0.012%
24	4.252	452	453	454	rVV	2580	1395	0.04%	0.010%
25	4.287	458	459	461	rVV	1720	955	0.03%	0.007%
26	4.387	473	476	477	rBV	1021	1144	0.04%	0.008%
27	4.410	479	480	485	rVB	1491	1944	0.06%	0.014%
28	4.493	490	494	497	rVB2	1203	1186	0.04%	0.008%
29	4.528	497	500	502	rVB	1445	1468	0.05%	0.010%
30	4.546	502	503	508	rBV2	2079	2351	0.07%	0.017%
31	4.622	514	516	518	rBV2	1359	1030	0.03%	0.007%
32	4.640	518	519	522	rVV2	2036	1581	0.05%	0.011%
33	4.799	533	546	562	rBV3	16842	60645	1.90%	0.431%
34	4.952	568	572	574	rBV2	644	930	0.03%	0.007%
35	4.969	574	575	577	rVV	1614	1045	0.03%	0.007%
36	5.110	595	599	600	rBV2	1090	1035	0.03%	0.007%

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

37	5.310	630	633	635	rVV	1751	2236	0.07%	0.016%
38	5.458	655	658	660	rVB2	1286	1516	0.05%	0.011%
39	5.558	672	675	677	rVB	1291	1055	0.03%	0.007%
40	5.669	688	694	696	rBV3	1478	2507	0.08%	0.018%
41	5.728	701	704	706	rBV	1128	1396	0.04%	0.010%
42	5.816	717	719	720	rBV2	1146	1062	0.03%	0.008%
43	6.081	761	764	768	rBV2	755	1162	0.04%	0.008%
44	6.269	793	796	799	rBV3	861	981	0.03%	0.007%
45	6.405	815	819	820	rBV2	991	1009	0.03%	0.007%
46	6.452	823	827	829	rVB2	1003	1279	0.04%	0.009%
47	6.487	829	833	835	rVB2	2003	2250	0.07%	0.016%
48	6.587	848	850	853	rBV2	1287	1345	0.04%	0.010%
49	6.646	858	860	862	rVV2	1226	1174	0.04%	0.008%
50	6.775	879	882	883	rBV	1345	1133	0.04%	0.008%
51	6.910	903	905	906	rBV	1289	968	0.03%	0.007%
52	6.987	906	918	928	rBV2	42827	123568	3.87%	0.877%
53	7.075	928	933	943	rVV4	14196	41831	1.31%	0.297%
54	7.163	945	948	951	rVV2	1165	1196	0.04%	0.008%
55	7.263	960	965	966	rBV	1434	1851	0.06%	0.013%
56	7.281	966	968	971	rVB	1350	1357	0.04%	0.010%
57	7.452	990	997	999	rVV5	2351	3964	0.12%	0.028%
58	7.481	999	1002	1003	rVV2	1276	1322	0.04%	0.009%
59	7.563	1005	1016	1029	rVV	151202	399916	12.53%	2.840%
60	7.646	1029	1030	1032	rBV2	1542	1058	0.03%	0.008%
61	7.681	1035	1036	1039	rBV	1751	1175	0.04%	0.008%
62	7.763	1046	1050	1052	rBV2	1813	2711	0.08%	0.019%
63	7.840	1058	1063	1065	rBV4	2466	3700	0.12%	0.026%
64	7.940	1078	1080	1081	rBV2	3243	2550	0.08%	0.018%
65	8.093	1098	1106	1112	rBV6	8115	20173	0.63%	0.143%
66	8.204	1114	1125	1141	rVB2	274729	858256	26.89%	6.095%
67	8.304	1141	1142	1143	rVB	2702	952	0.03%	0.007%
68	8.363	1146	1152	1157	rBV7	5183	11865	0.37%	0.084%
69	8.428	1160	1163	1164	rBV2	2831	2710	0.08%	0.019%
70	8.504	1170	1176	1184	rVB7	7908	19621	0.61%	0.139%
71	8.610	1191	1194	1195	rBV3	1752	2089	0.07%	0.015%
72	8.699	1207	1209	1210	rVB	2124	1147	0.04%	0.008%
73	8.775	1210	1222	1233	rBV	407364	827074	25.91%	5.873%
74	8.946	1250	1251	1254	rBV2	2079	1933	0.06%	0.014%
75	9.046	1266	1268	1269	rBV2	1900	962	0.03%	0.007%
76	9.210	1288	1296	1302	rBV	213134	462926	14.50%	3.287%

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77	9.434	1332	1334	1335	rBV2	2003	999	0.03%	0.007%
78	9.451	1335	1337	1342	rVV6	4420	6984	0.22%	0.050%
79	9.551	1350	1354	1360	rVB4	12227	25120	0.79%	0.178%
80	9.634	1367	1368	1370	rBV2	3075	2372	0.07%	0.017%
81	9.693	1374	1378	1386	rVB5	19296	37703	1.18%	0.268%
82	9.840	1400	1403	1409	rBV7	8812	12799	0.40%	0.091%
83	9.975	1421	1426	1432	rBV	108152	182274	5.71%	1.294%
84	10.269	1468	1476	1490	rBV	370263	715758	22.42%	5.083%
85	10.528	1513	1520	1525	rBV	78159	138865	4.35%	0.986%
86	10.610	1531	1534	1540	rVB3	24052	38699	1.21%	0.275%
87	10.875	1573	1579	1587	rBV2	162233	313920	9.83%	2.229%
88	11.128	1619	1622	1626	rVB2	22189	24874	0.78%	0.177%
89	11.181	1627	1631	1636	rVB2	46253	79192	2.48%	0.562%
90	11.581	1692	1699	1708	rBV	446472	781290	24.47%	5.548%
91	11.828	1737	1741	1745	rBV5	30972	52105	1.63%	0.370%
92	12.210	1803	1806	1811	rVB	57565	81900	2.57%	0.582%
93	12.651	1875	1881	1887	rBV	208916	384412	12.04%	2.730%
94	13.257	1981	1984	1989	rBV3	44314	64400	2.02%	0.457%
95	13.516	2023	2028	2033	rBV	278874	426583	13.36%	3.029%
96	13.816	2074	2079	2088	rBV3	215387	640790	20.07%	4.550%
97	14.351	2165	2170	2176	rBV5	199015	382288	11.98%	2.715%
98	14.810	2237	2248	2260	rBV3	897267	3192240	100.00%	22.669%
99	15.304	2327	2332	2339	rBV	665534	1079261	33.81%	7.664%
100	16.257	2490	2494	2503	rVB	400454	735648	23.04%	5.224%

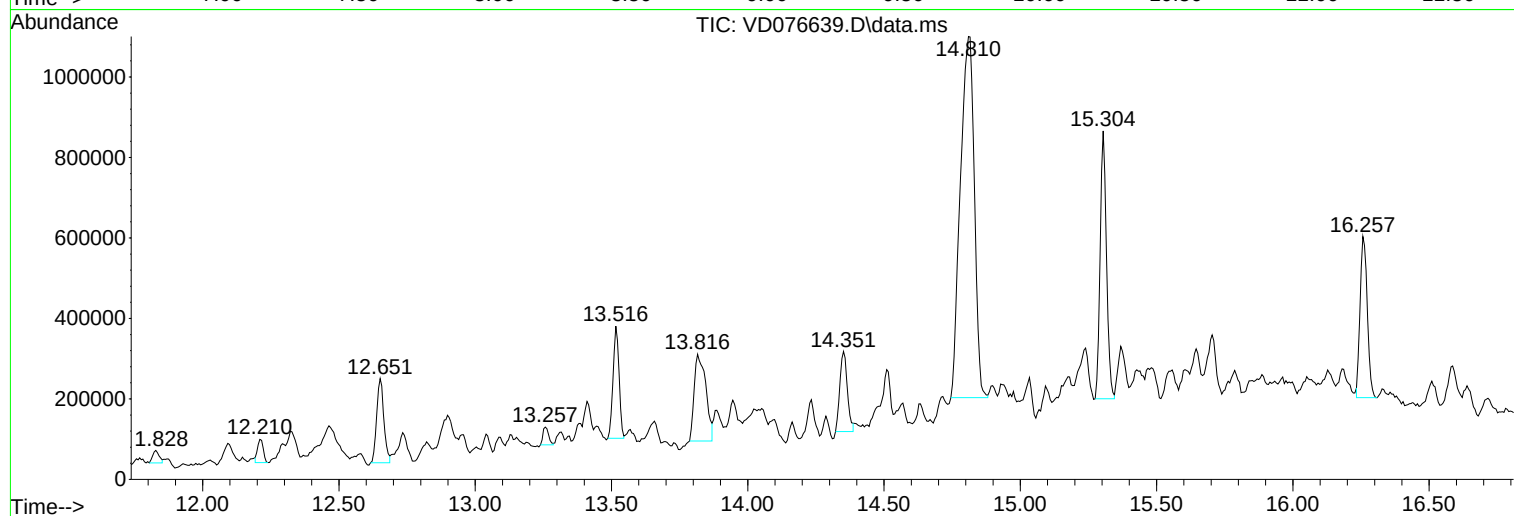
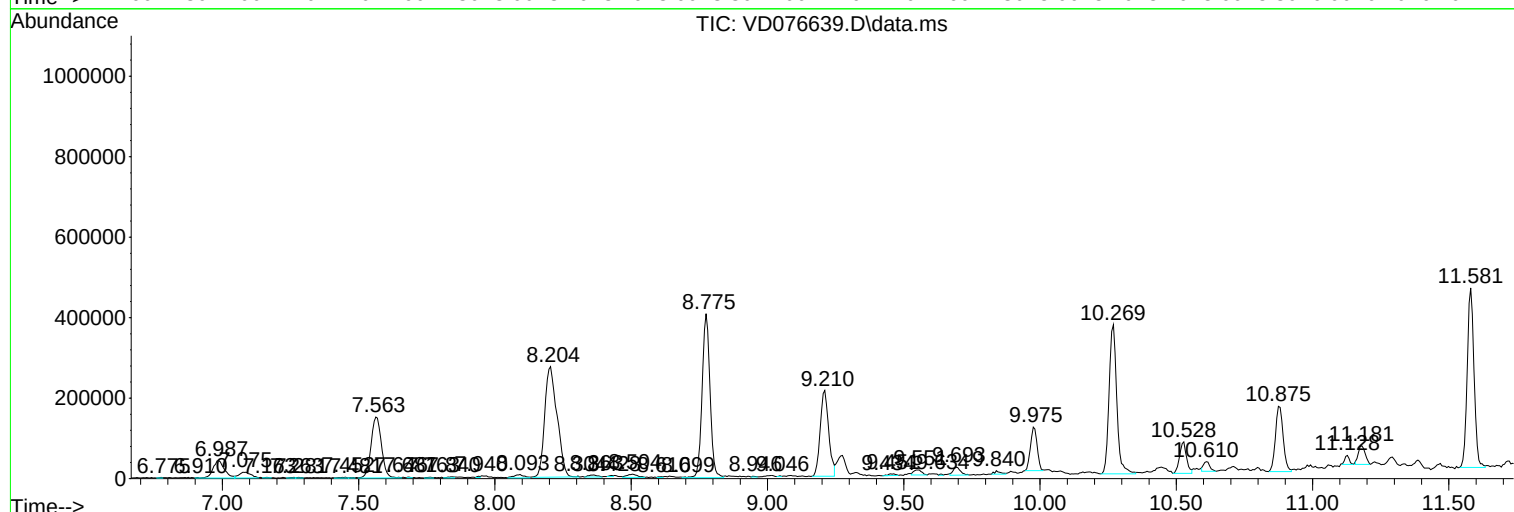
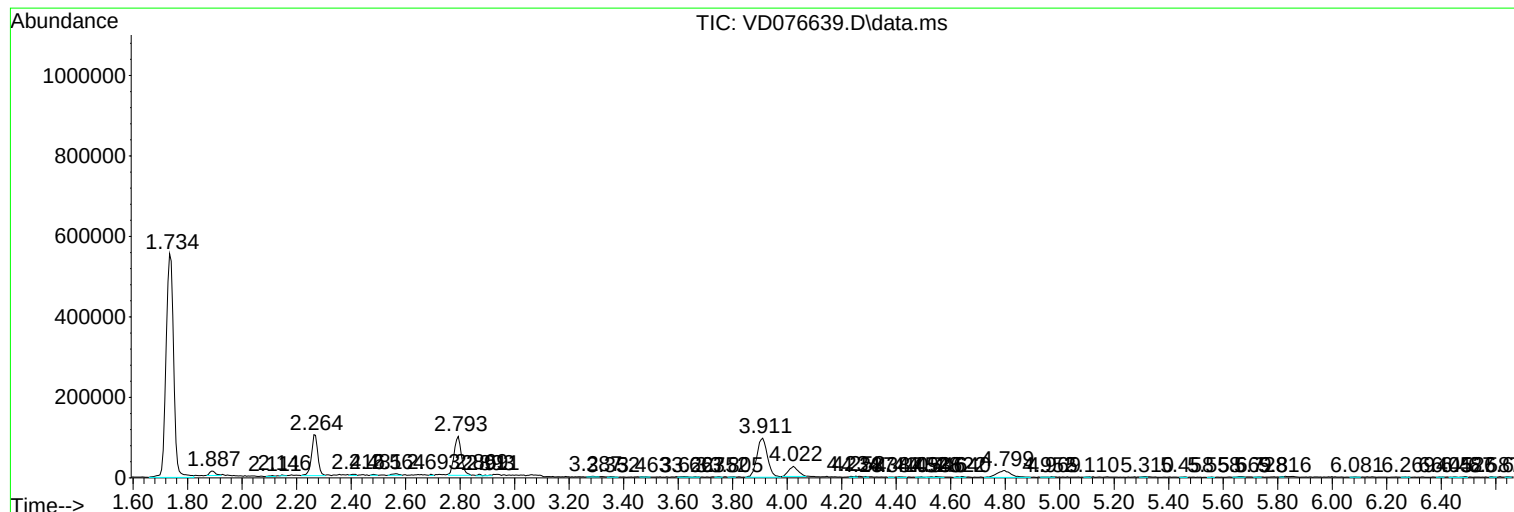
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M8

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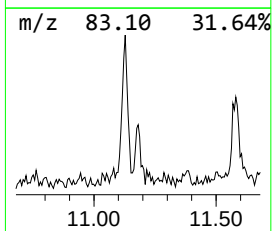
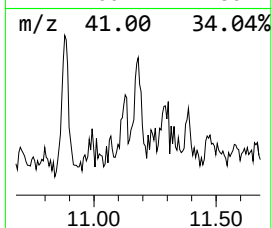
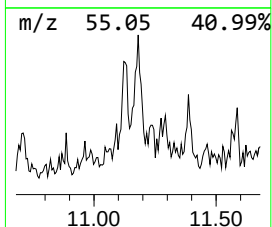
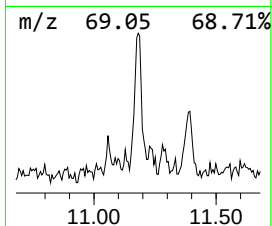
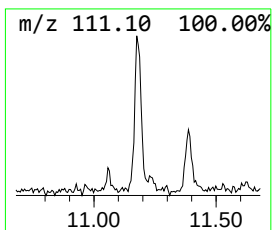
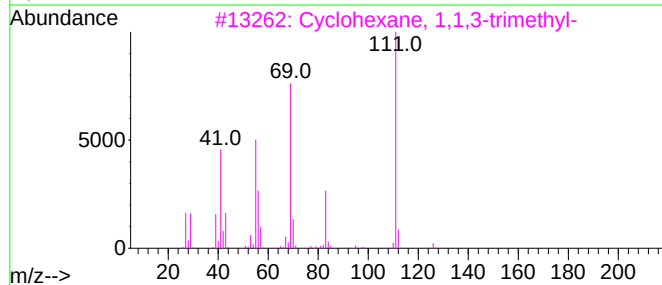
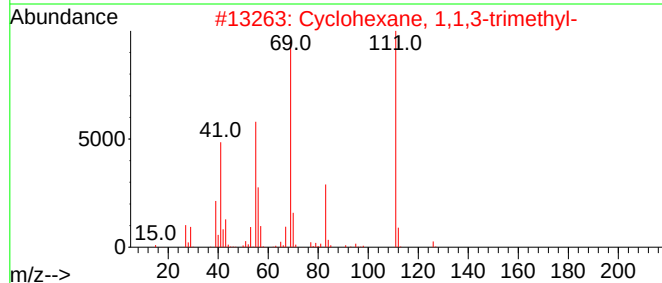
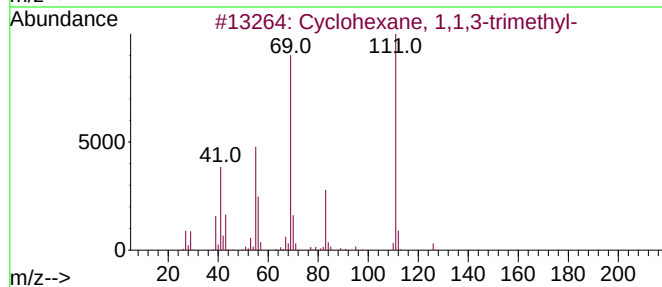
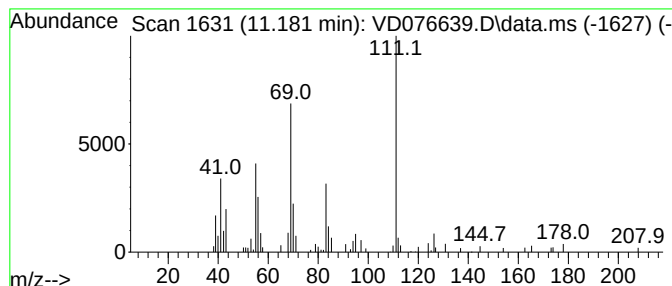
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.181 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	2.53 ug/L	79192	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5			2(1H)-Pyridinone, 5-hydroxy-	111	C5H5NO2	005154-01-8	47



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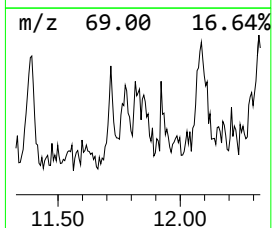
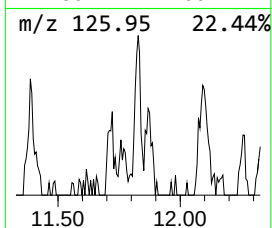
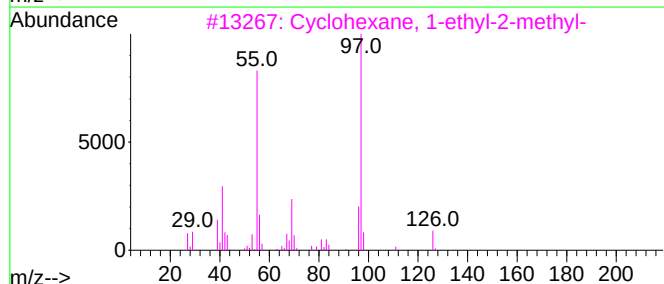
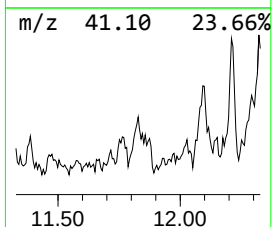
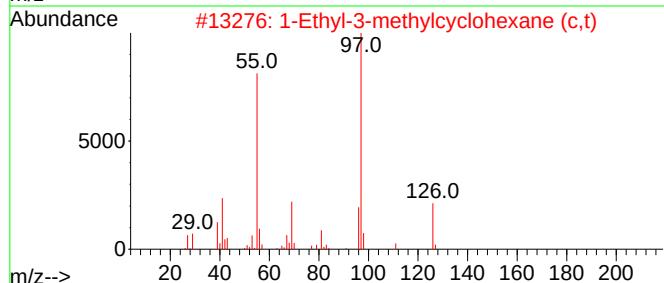
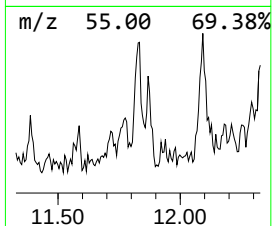
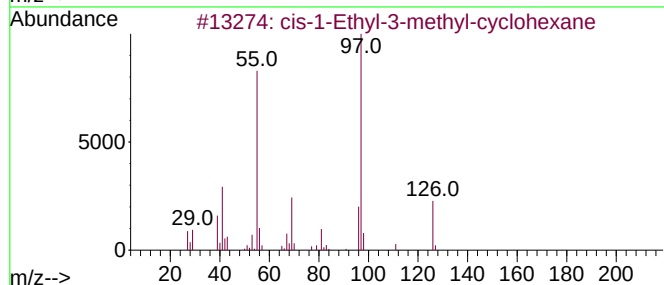
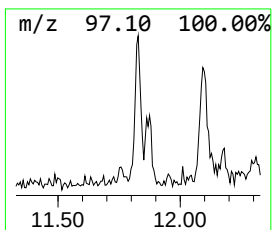
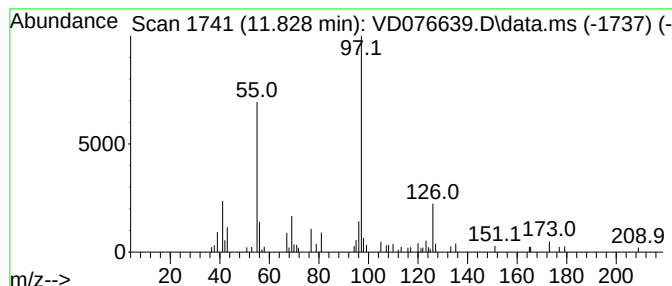
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.828 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.828	1.67 ug/L	52105	Chlorobenzene-d5	11.581	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	76
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	76
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	59
5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	59



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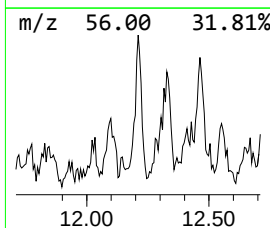
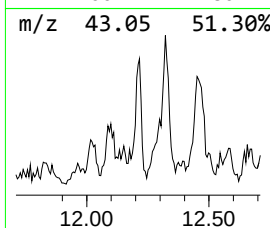
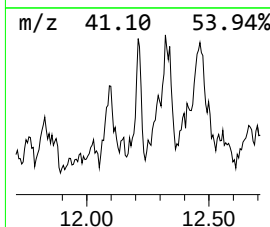
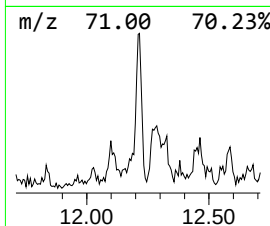
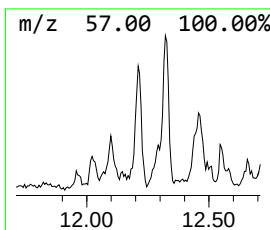
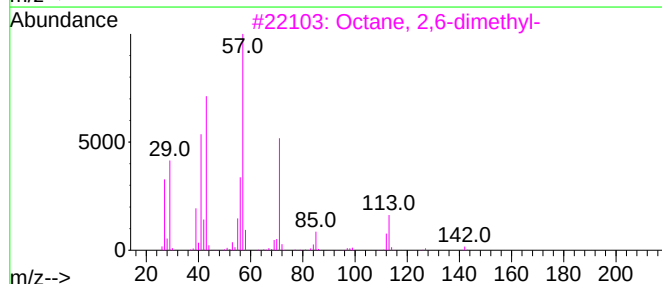
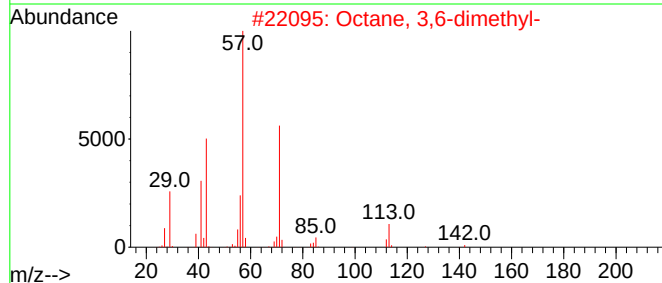
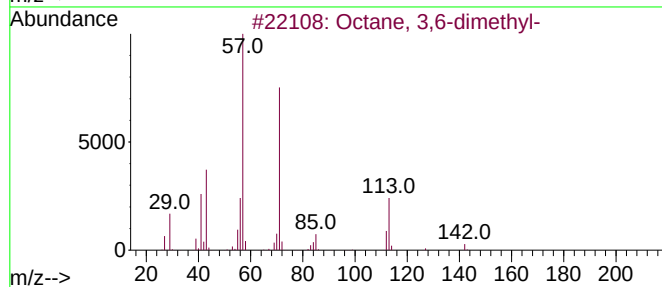
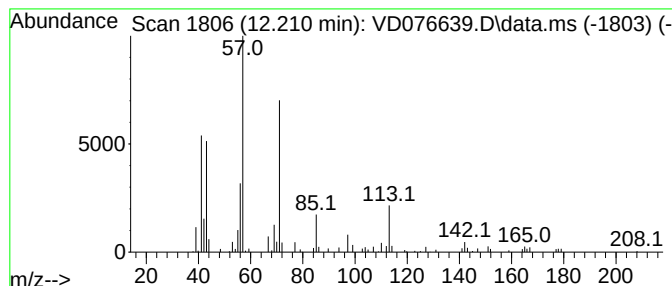
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	2.62 ug/L	81900	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59
5			Hexadecane	226	C16H34	000544-76-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M8

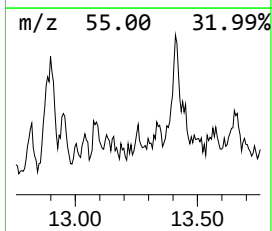
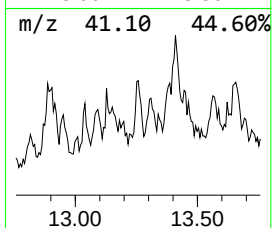
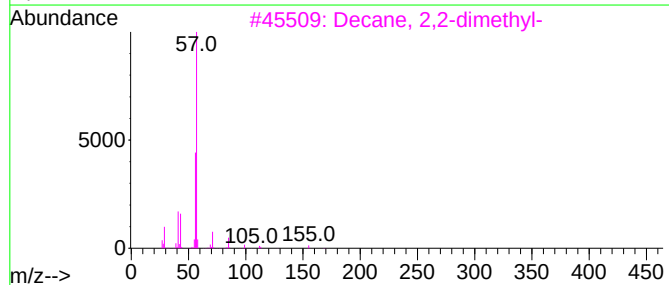
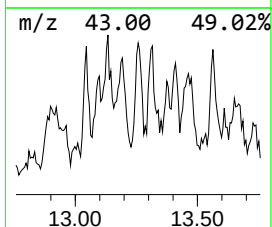
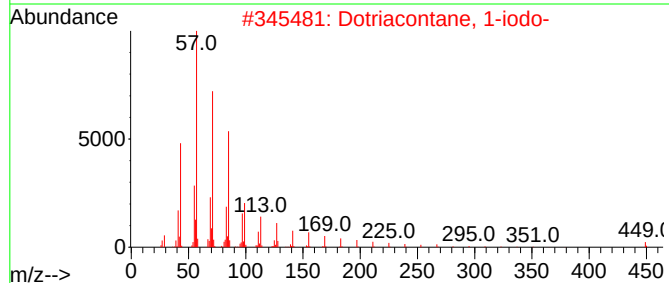
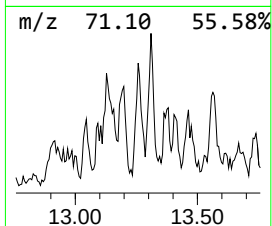
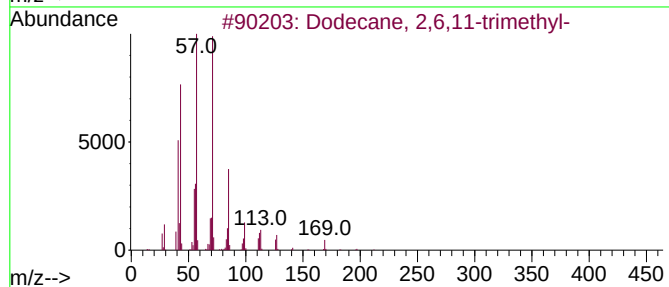
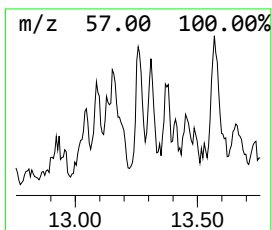
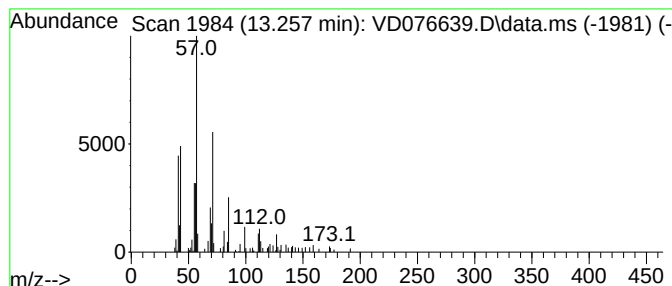
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	3.77 ug/L	64400	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
2			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	59
3			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	53
4			Heptadecane	240	C17H36	000629-78-7	53
5			Tridecane, 5-propyl-	226	C16H34	055045-11-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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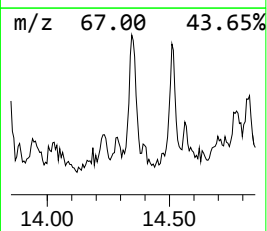
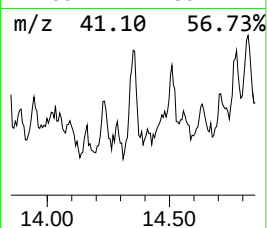
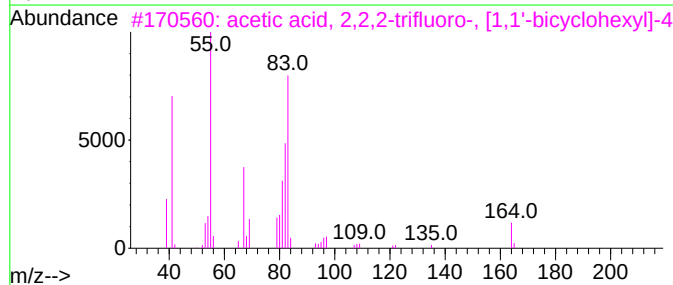
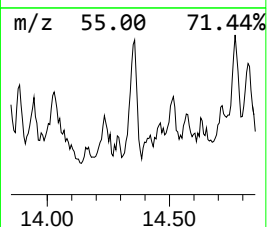
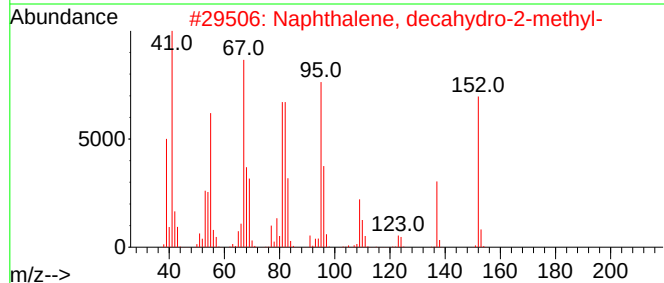
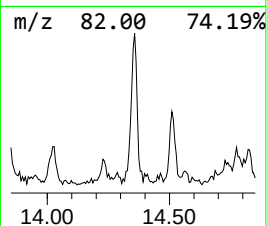
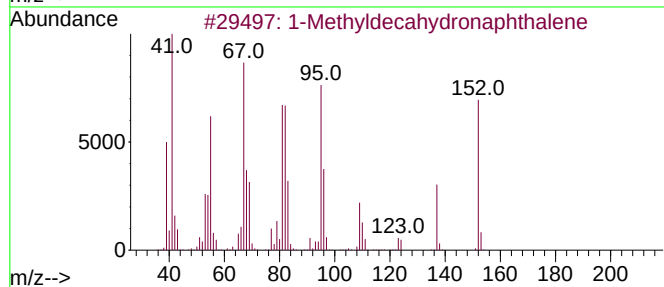
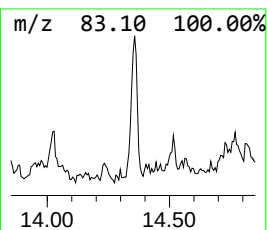
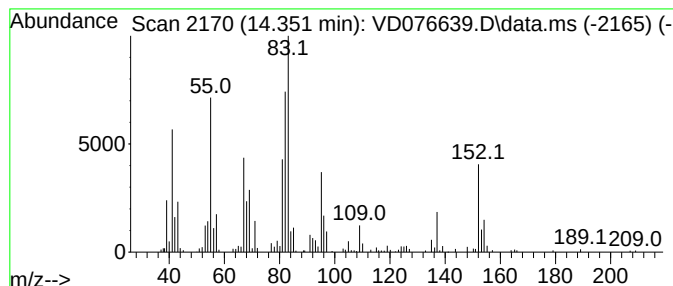
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Quant Title : SFAM01.0

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

Peak Number 8 1-Methyldecahydronaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	22.40 ug/L	382288	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
3			acetic acid, 2,2,2-trifluoro-, [...]	278	C14H21F3O2	1000397-13-2	53
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
5			1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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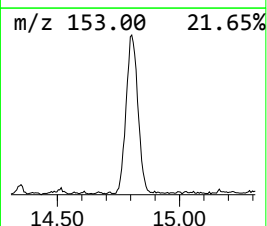
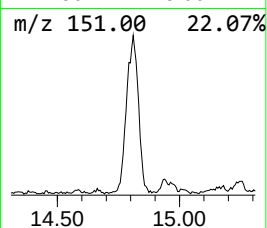
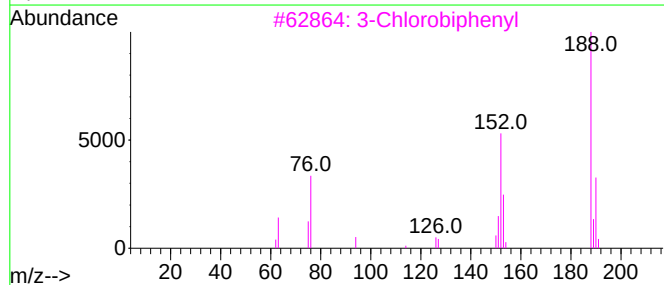
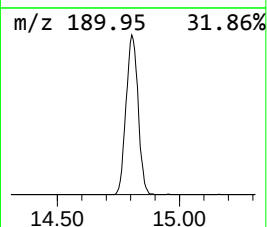
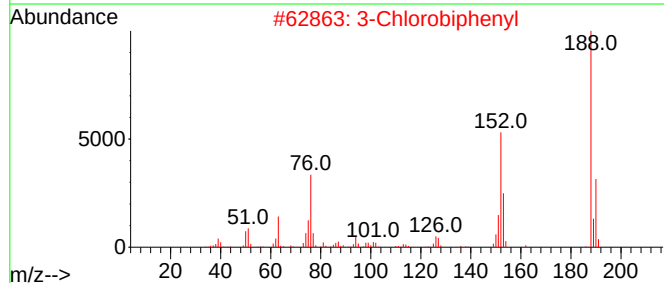
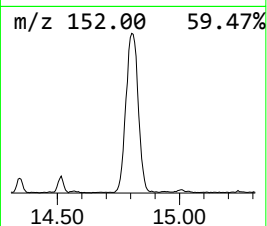
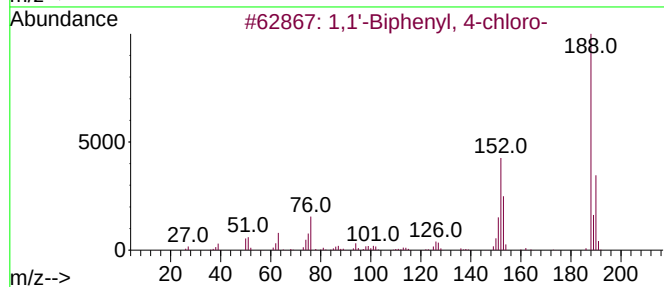
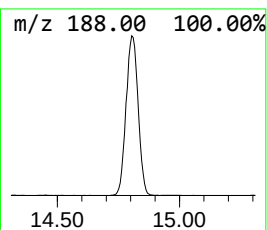
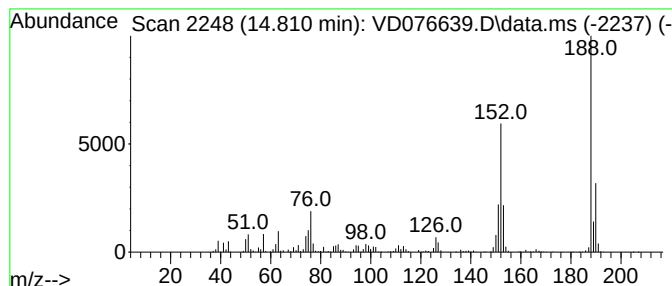
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Quant Title : SFAM01.0

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

Peak Number 9 1,1'-Biphenyl, 4-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.810	187.08 ug/L	3192240	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96
2			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	95
3			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	95
4			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
5			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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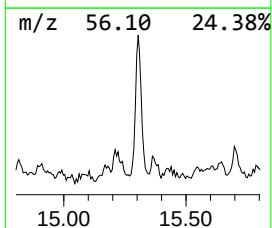
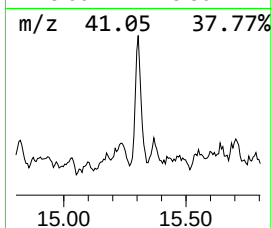
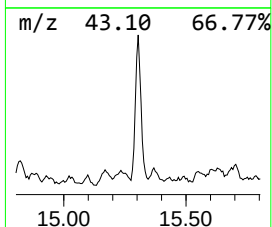
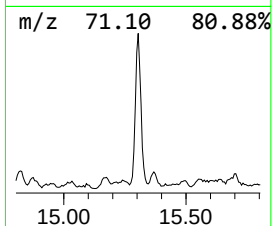
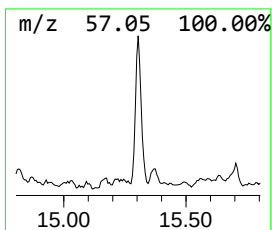
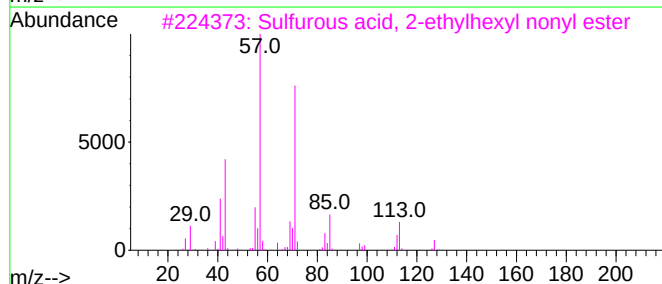
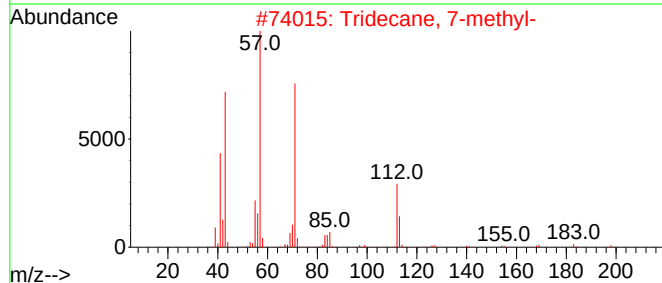
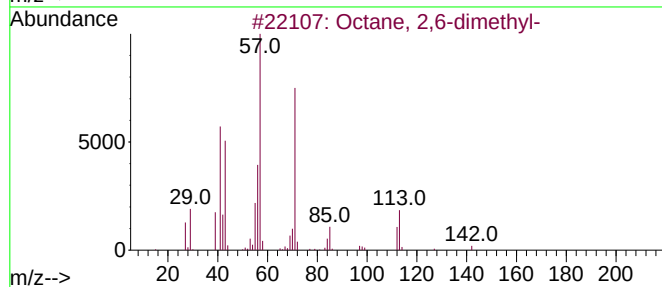
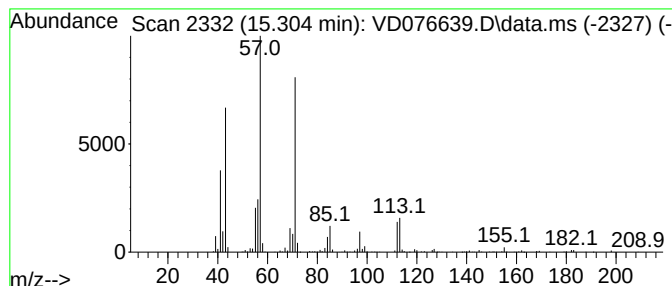
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	63.25 ug/L	1079260	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			Tridecane, 7-methyl-	198	C14H30	026730-14-3	72
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
4			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M8

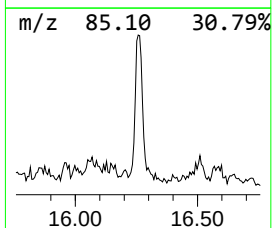
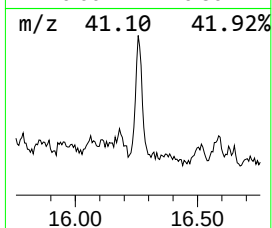
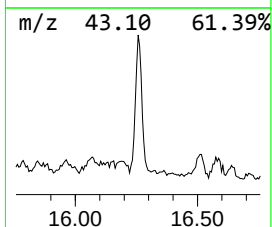
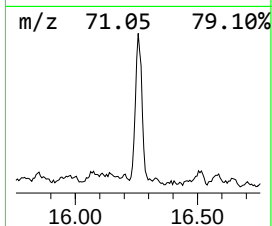
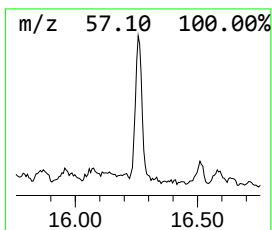
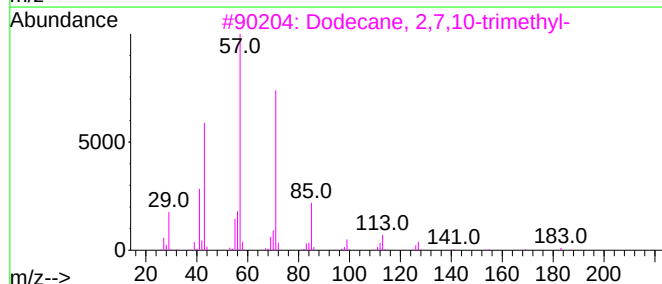
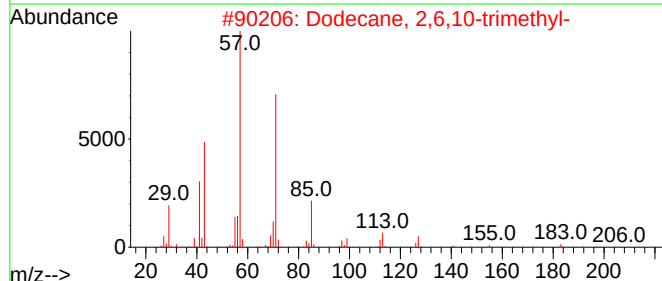
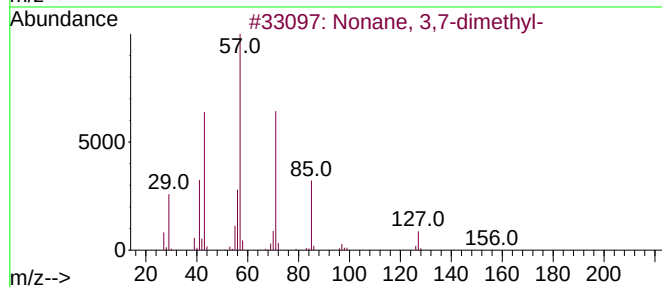
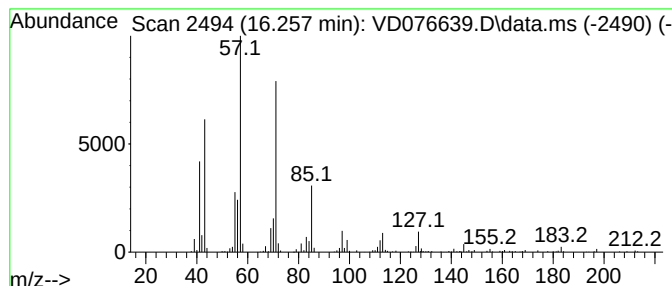
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.257	43.11 ug/L	735648	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076639.D
Acq On : 29 Jun 2023 15:26
Operator : KP/SY
Sample : 03458-15
Misc : 5.31G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M8

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

						--Internal Standard--			
TIC Top	Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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(DEL)	Alkane: C...	11.828	1.7	ug/L	52105	2	11.581	781290	25.0
(DEL)	Alkane: S...	12.210	2.6	ug/L	81900	2	11.581	781290	25.0
(DEL)	Alkane: S...	13.257	3.8	ug/L	64400	3	13.516	426583	25.0
1-Methyldecahyd...		14.351	22.4	ug/L	382288	3	13.516	426583	25.0
1,1'-Biphenyl, ...		14.810	187.1	ug/L	3192240	3	13.516	426583	25.0
(DEL)	Alkane: S...	15.304	63.3	ug/L	1079260	3	13.516	426583	25.0
(DEL)	Alkane: S...	16.257	43.1	ug/L	735648	3	13.516	426583	25.0