

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021446.D
 Acq On : 18 Dec 2021 01:40
 Operator : SY/VA
 Sample : M5153-09
 Misc : 5.58g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL74

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_W\Method\SFAMWLM120921SMA.M
 Title : SFAM01.0

Signal : TIC: VW021446.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	37	41	44	rBV4	562	857	0.07%	0.010%
2	2.349	65	73	83	rBV	44137	72539	5.60%	0.888%
3	2.495	92	97	103	rBV	4126	7343	0.57%	0.090%
4	2.806	144	148	152	rVB2	390	678	0.05%	0.008%
5	2.885	154	161	171	rVB	22154	46516	3.59%	0.570%
6	3.379	235	242	247	rBV2	394	654	0.05%	0.008%
7	3.727	295	299	304	rVB	278	476	0.04%	0.006%
8	3.836	314	317	320	rBV	122	217	0.02%	0.003%
9	4.019	336	347	359	rVV3	51393	154157	11.89%	1.888%
10	4.123	359	364	373	rVB	2228	5855	0.45%	0.072%
11	4.245	380	384	387	rBV	360	534	0.04%	0.007%
12	4.379	398	406	416	rBB3	705	2102	0.16%	0.026%
13	4.477	419	422	426	rBV	102	197	0.02%	0.002%
14	4.915	485	494	504	rBV2	2978	9540	0.74%	0.117%
15	4.983	504	505	509	rVV	141	180	0.01%	0.002%
16	5.031	512	513	517	rVV2	135	207	0.02%	0.003%
17	5.141	527	531	534	rBB2	161	254	0.02%	0.003%
18	5.421	574	577	578	rBV	234	216	0.02%	0.003%
19	5.787	630	637	646	rBB3	1035	3004	0.23%	0.037%
20	5.940	654	662	673	rBB4	1057	2990	0.23%	0.037%
21	6.586	764	768	771	rBB	134	184	0.01%	0.002%
22	6.897	811	819	831	rBV4	1671	5615	0.43%	0.069%
23	7.000	834	836	839	rBV3	186	181	0.01%	0.002%
24	7.074	839	848	864	rBV	11788	35516	2.74%	0.435%
25	7.647	932	942	956	rVV	79290	196287	15.14%	2.403%
26	7.915	982	986	992	rVB3	755	1412	0.11%	0.017%
27	8.031	999	1005	1006	rBV2	631	998	0.08%	0.012%
28	8.153	1020	1025	1031	rBB2	1320	2405	0.19%	0.029%
29	8.275	1035	1045	1060	rBV2	155415	456760	35.23%	5.593%
30	8.409	1062	1067	1070	rVV5	912	2119	0.16%	0.026%
31	8.476	1072	1078	1087	rVB5	2066	5682	0.44%	0.070%
32	8.689	1108	1113	1122	rBB3	825	2013	0.16%	0.025%
33	8.842	1130	1138	1152	rBV	163027	315013	24.30%	3.857%
34	9.073	1169	1176	1182	rVV	3852	8155	0.63%	0.100%
35	9.134	1184	1186	1191	rVB2	222	338	0.03%	0.004%
36	9.274	1201	1209	1223	rVV	103954	217821	16.80%	2.667%

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Smoothing : OFF

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Min Area: 0 % of largest Peak

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Stop Thrs : 0

Peak Location: TOP

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Title : SFAM01.0

37	9.384	1223	1227	1238	rVB5	1961	5783	0.45%	0.071%
38	9.463	1238	1240	1246	rVB2	253	311	0.02%	0.004%
39	9.512	1247	1248	1253	rVB	204	264	0.02%	0.003%
40	9.585	1253	1260	1261	rBV2	455	767	0.06%	0.009%
41	9.665	1271	1273	1279	rVB3	453	554	0.04%	0.007%
42	9.756	1282	1288	1294	rVB3	3378	6410	0.49%	0.078%
43	9.896	1304	1311	1316	rBV3	4482	8938	0.69%	0.109%
44	9.951	1316	1320	1323	rBV3	1408	2445	0.19%	0.030%
45	10.037	1327	1334	1340	rBV	53912	94749	7.31%	1.160%
46	10.207	1356	1362	1364	rBV2	1763	2585	0.20%	0.032%
47	10.250	1365	1369	1373	rVV3	2379	4367	0.34%	0.053%
48	10.323	1373	1381	1389	rVV	241837	426630	32.91%	5.224%
49	10.384	1389	1391	1398	rVB2	3626	5045	0.39%	0.062%
50	10.500	1403	1410	1416	rVB6	2464	5921	0.46%	0.072%
51	10.579	1416	1423	1432	rBV	34992	61059	4.71%	0.748%
52	10.664	1432	1437	1440	rBV4	3090	5400	0.42%	0.066%
53	10.762	1449	1453	1457	rVB5	1987	2999	0.23%	0.037%
54	10.847	1462	1467	1472	rVB3	4565	8191	0.63%	0.100%
55	10.927	1472	1480	1488	rBV	51014	96838	7.47%	1.186%
56	10.994	1488	1491	1493	rBV3	3057	3856	0.30%	0.047%
57	11.030	1494	1497	1500	rVV3	5060	7198	0.56%	0.088%
58	11.067	1500	1503	1507	rVB3	4983	6487	0.50%	0.079%
59	11.109	1507	1510	1514	rBV2	5168	7295	0.56%	0.089%
60	11.183	1519	1522	1525	rBV3	3531	4241	0.33%	0.052%
61	11.225	1526	1529	1534	rVB	8057	11783	0.91%	0.144%
62	11.280	1534	1538	1543	rVB5	4754	8094	0.62%	0.099%
63	11.335	1543	1547	1550	rBV3	5611	8099	0.62%	0.099%
64	11.378	1551	1554	1555	rBV	3771	4057	0.31%	0.050%
65	11.512	1571	1576	1586	rVB	12833	24908	1.92%	0.305%
66	11.628	1586	1595	1603	rBV	239767	414770	32.00%	5.078%
67	11.695	1603	1606	1607	rBV3	1849	2207	0.17%	0.027%
68	11.731	1608	1612	1614	rBV2	11725	16653	1.28%	0.204%
69	11.823	1621	1627	1630	rBV5	16352	33462	2.58%	0.410%
70	11.872	1631	1635	1639	rVV	32433	59019	4.55%	0.723%
71	11.914	1640	1642	1647	rVB	18063	23801	1.84%	0.291%
72	11.975	1647	1652	1653	rBV3	3620	5377	0.41%	0.066%
73	12.061	1661	1666	1671	rVB4	13417	23717	1.83%	0.290%
74	12.134	1671	1678	1690	rBV7	55330	159127	12.28%	1.948%
75	12.250	1693	1697	1701	rVB	38879	61371	4.73%	0.751%
76	12.335	1701	1711	1713	rBV4	41726	108812	8.39%	1.332%

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77	12.457	1727	1731	1736	rBV2	38858	74770	5.77%	0.915%
78	12.591	1750	1753	1755	rBV	10903	15254	1.18%	0.187%
79	12.688	1764	1769	1775	rBV	98262	180274	13.91%	2.207%
80	12.780	1781	1784	1791	rVB4	47402	98656	7.61%	1.208%
81	12.859	1791	1797	1801	rBV3	40856	86461	6.67%	1.059%
82	12.938	1805	1810	1815	rVV4	83384	156098	12.04%	1.911%
83	13.079	1829	1833	1836	rBV2	40426	69025	5.32%	0.845%
84	13.164	1843	1847	1854	rVB2	88931	143754	11.09%	1.760%
85	13.249	1857	1861	1865	rVV	102632	149639	11.54%	1.832%
86	13.292	1865	1868	1872	rVB	41023	52814	4.07%	0.647%
87	13.554	1906	1911	1915	rBV	236586	381462	29.43%	4.671%
88	13.853	1955	1960	1968	rBV2	180620	446154	34.42%	5.463%
89	14.194	2011	2016	2022	rBV4	69743	128614	9.92%	1.575%
90	14.261	2022	2027	2032	rBV7	52297	95400	7.36%	1.168%
91	14.322	2033	2037	2042	rBV5	32222	59361	4.58%	0.727%
92	14.383	2043	2047	2049	rBV3	71960	106455	8.21%	1.303%
93	14.493	2062	2065	2069	rBV	36393	55521	4.28%	0.680%
94	14.639	2086	2089	2094	rVB2	35515	47380	3.65%	0.580%
95	15.322	2196	2201	2202	rBV2	66721	87161	6.72%	1.067%
96	15.359	2203	2207	2214	rVB	386570	678011	52.30%	8.302%
97	15.462	2220	2224	2229	rVB	50721	82913	6.40%	1.015%
98	16.371	2368	2373	2378	rVV3	82069	162839	12.56%	1.994%
99	16.432	2379	2383	2396	rVB2	88038	220285	16.99%	2.697%
100	16.639	2409	2417	2429	rVB	565306	1296347	100.00%	15.872%

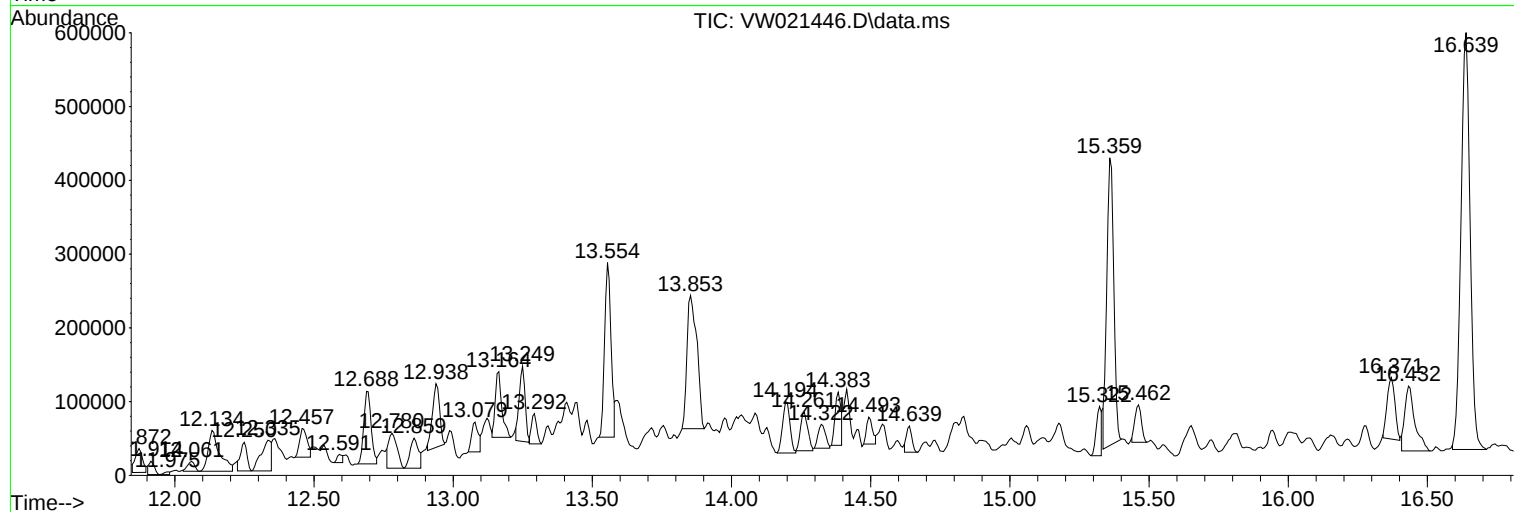
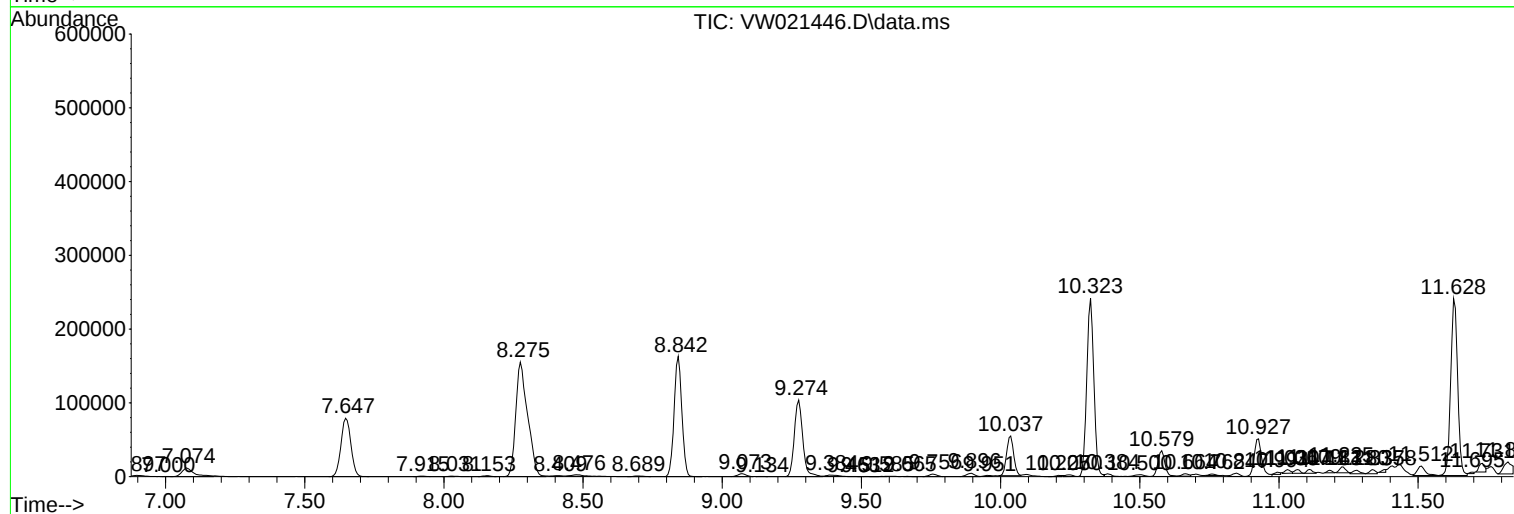
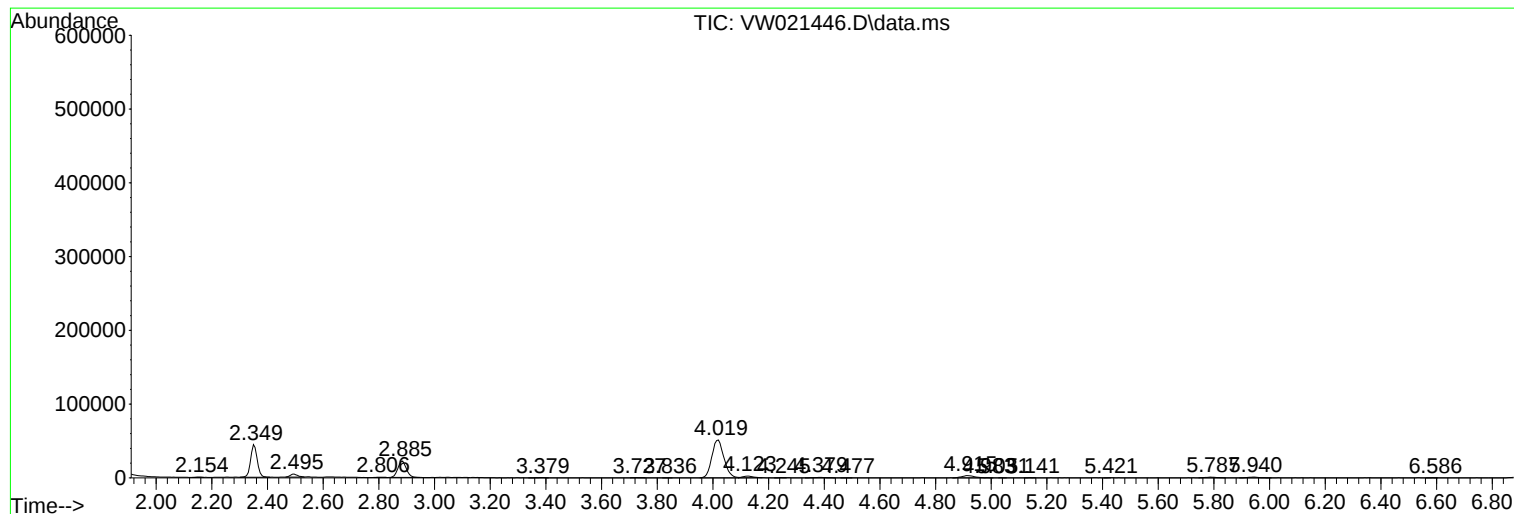
Sum of corrected areas: 8167253

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Instrument :
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ClientSampleId :
BGL74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



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ALS Vial : 1 Sample Multiplier: 1

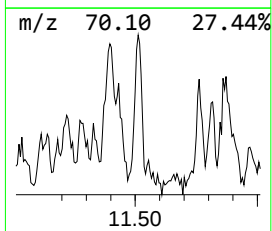
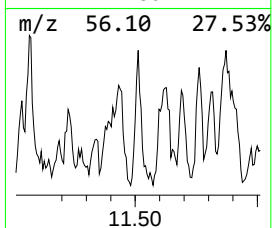
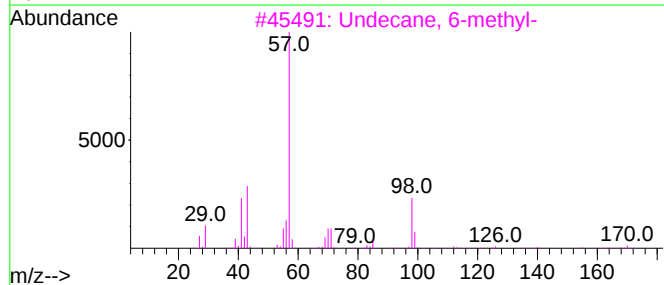
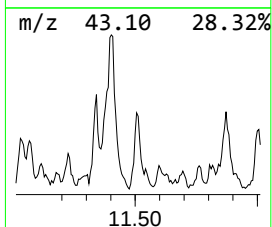
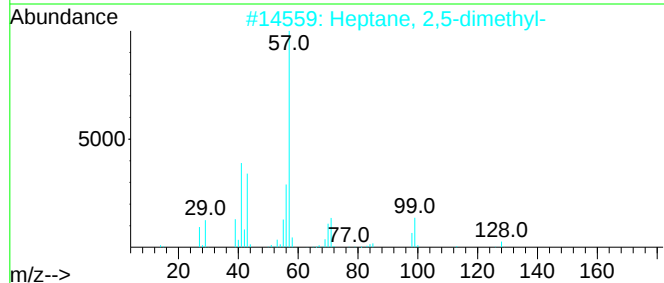
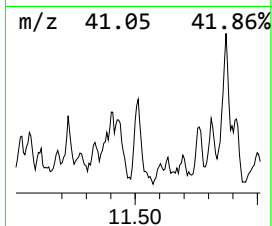
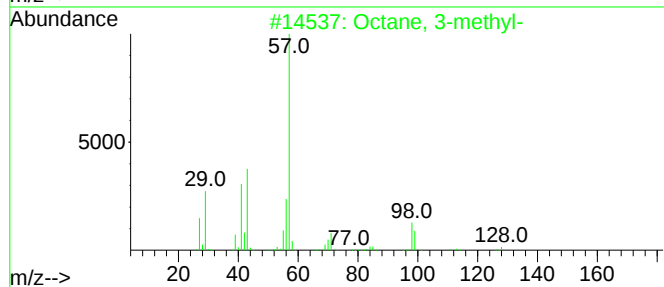
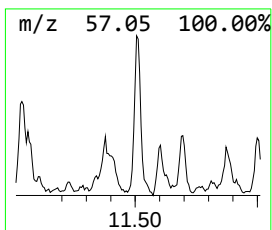
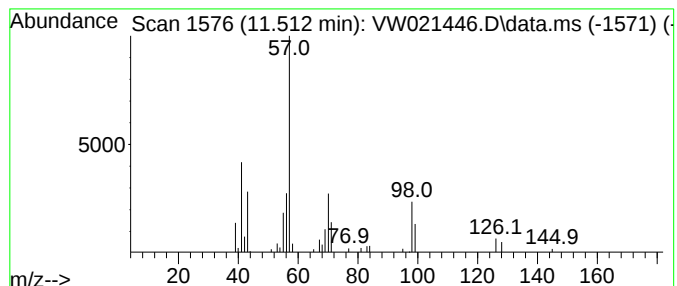
Instrument :
MSVOA_W
ClientSampleId :
BGL74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.512	1.50 ug/L	24908	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	59
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	58
3	Undecane, 6-methyl-		170	C12H26	017302-33-9	53
4	Heptyl isobutyl carbonate		216	C12H24O3	959068-08-7	50
5	Heptane, 1,1'-oxybis-		214	C14H30O	000629-64-1	50



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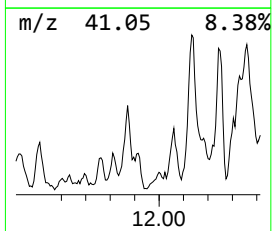
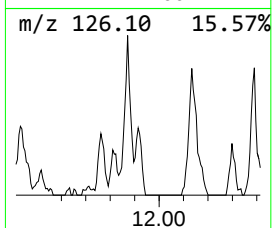
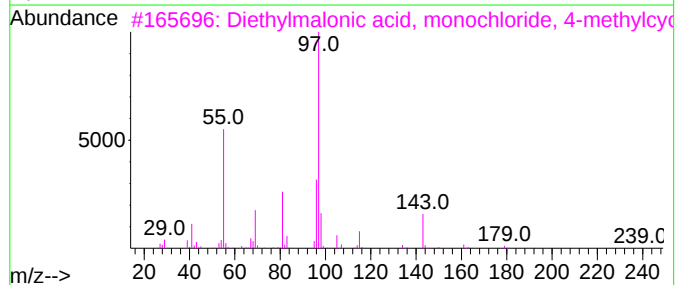
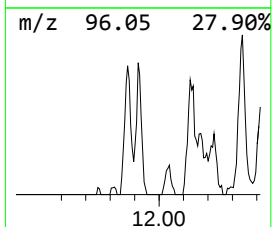
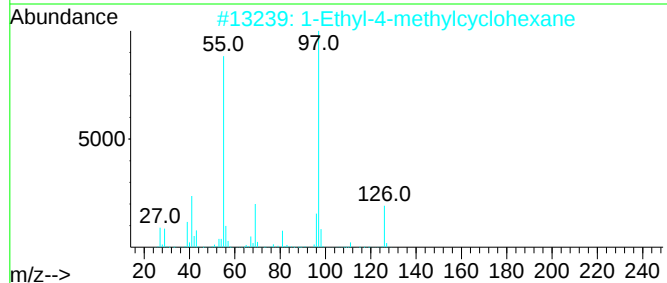
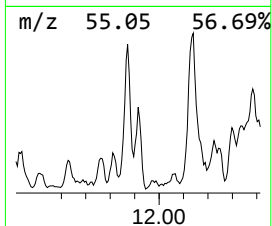
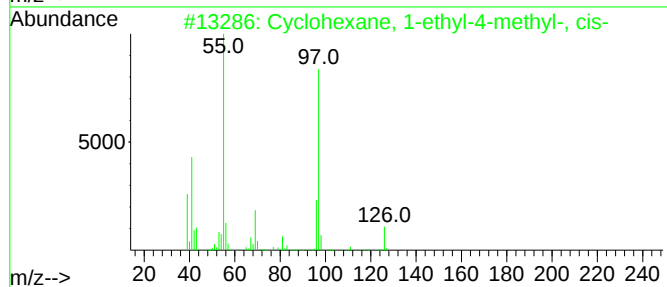
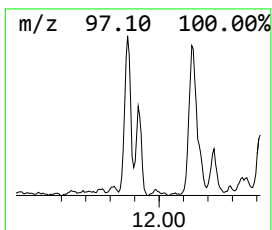
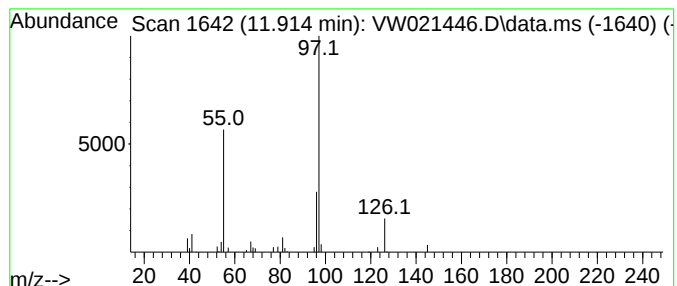
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic11.914 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	1.43 ug/L	23801	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	56
3			Diethylmalonic acid, monochlorid...	274	C14H23ClO3	1000371-17-9	50
4			2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	50
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	47



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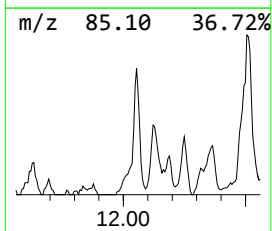
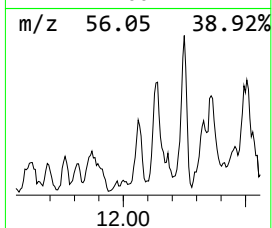
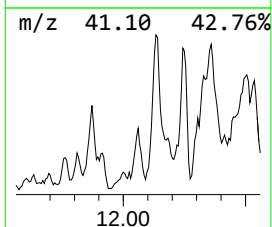
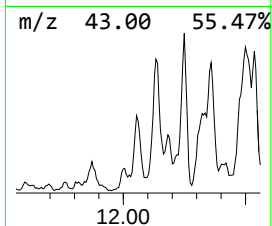
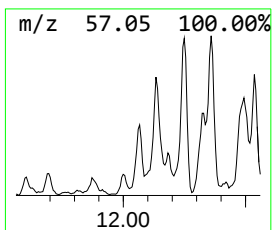
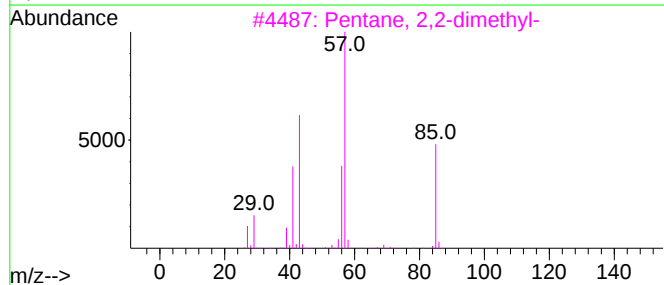
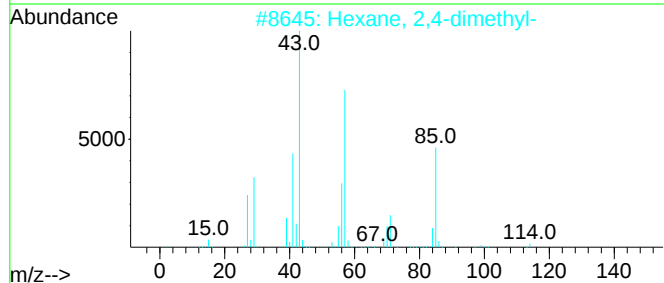
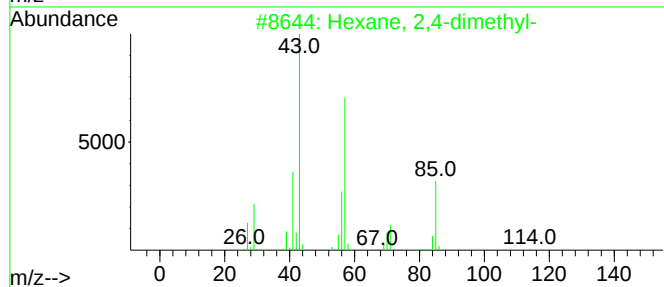
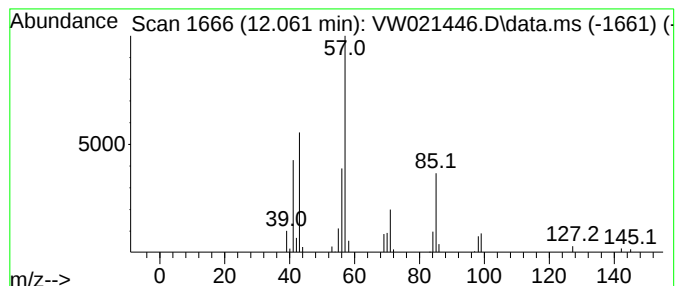
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	1.43 ug/L	23717	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
5			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

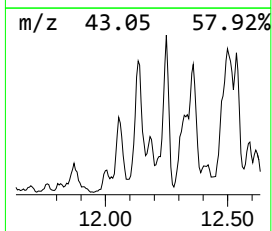
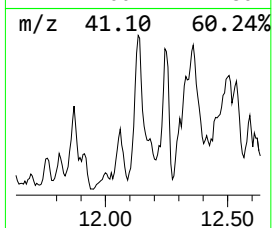
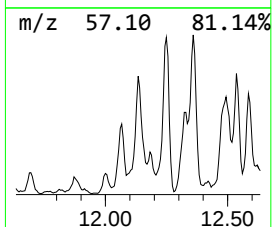
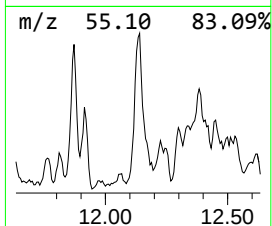
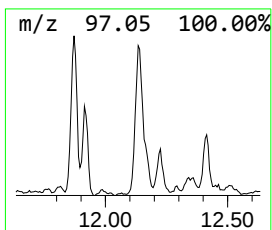
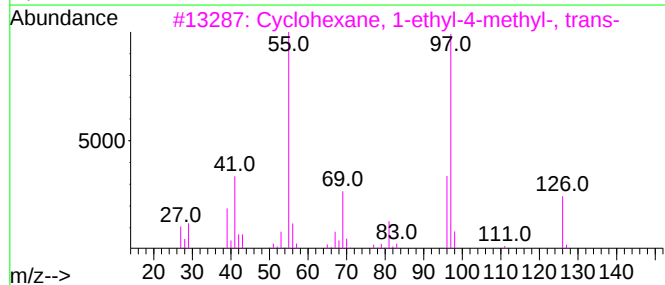
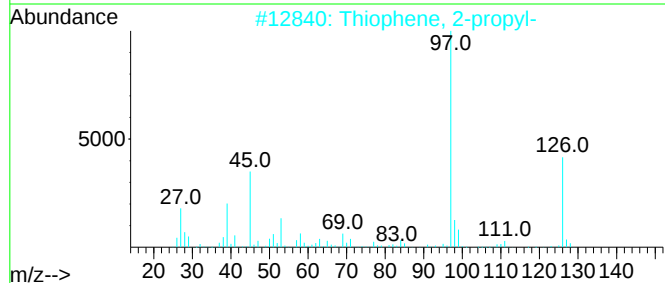
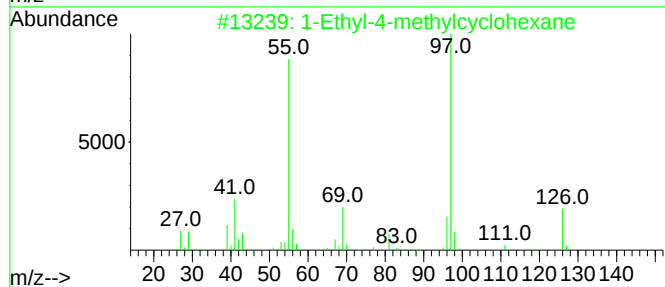
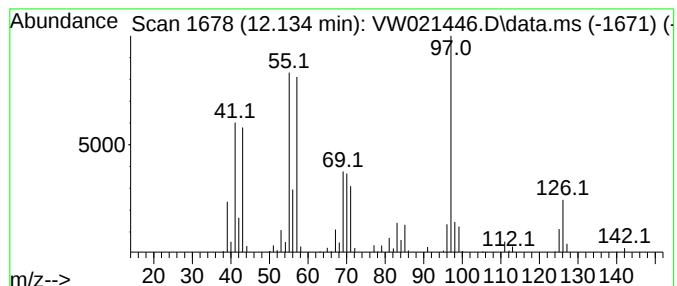
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic12.134 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	9.59 ug/L	159127	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	46
2			Thiophene, 2-propyl-	126	C7H10S	001551-27-5	46
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	46
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	46
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

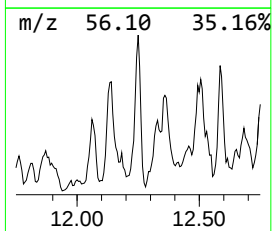
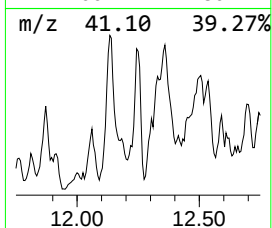
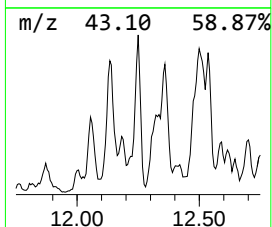
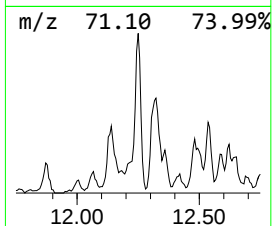
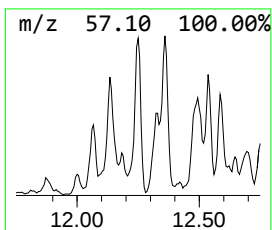
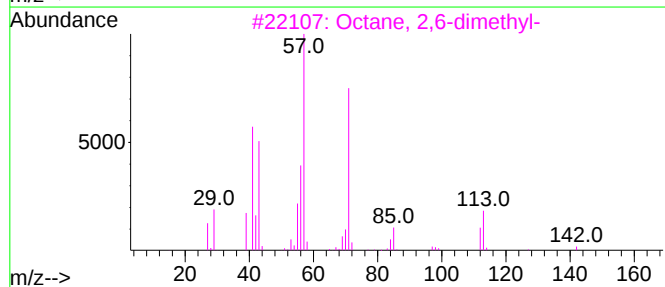
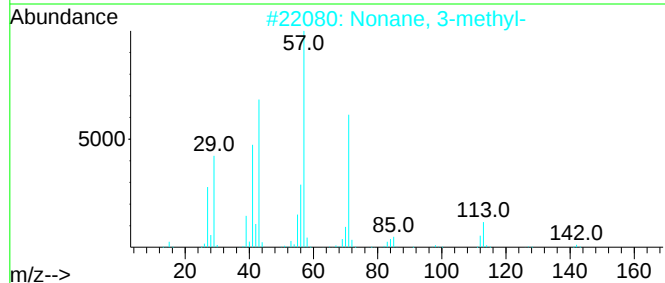
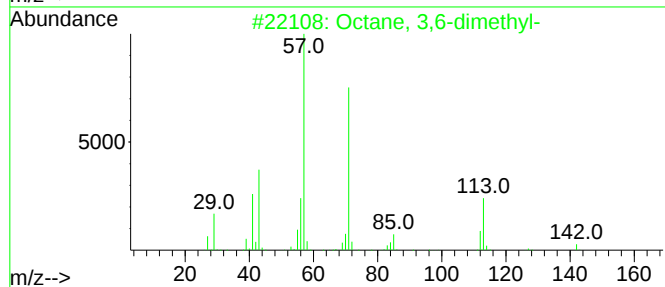
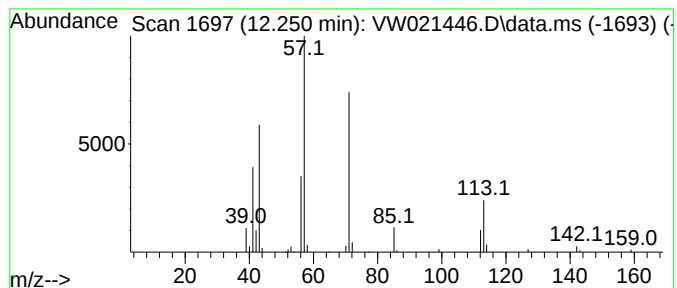
Instrument :
MSVOA_W
ClientSampleId :
BGL74

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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 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.249	3.70 ug/L	61371	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	91
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	86
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	86
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

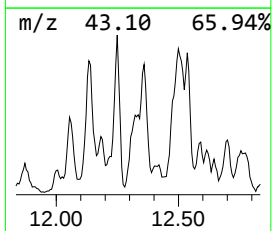
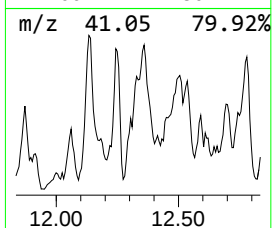
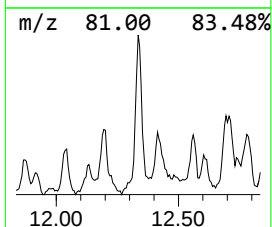
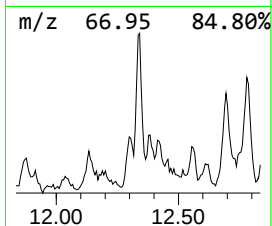
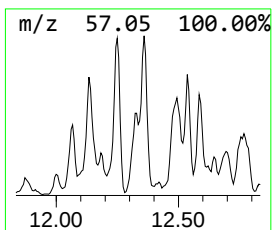
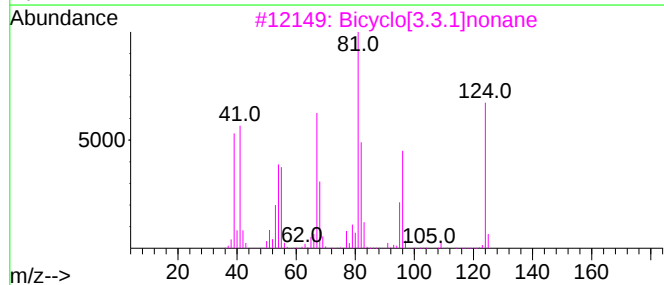
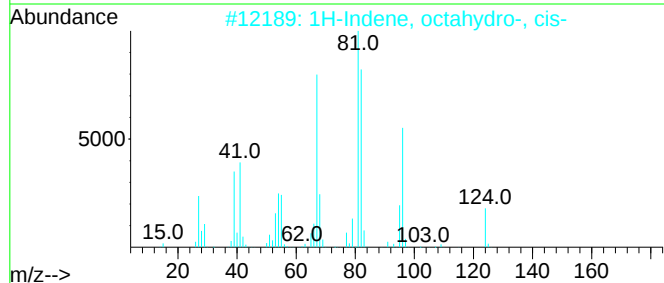
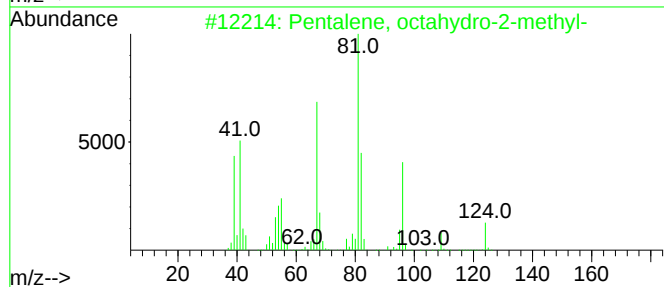
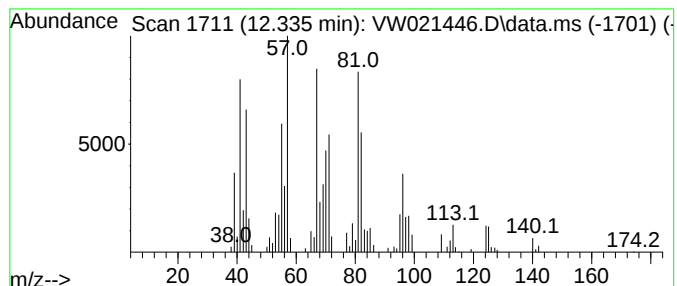
Instrument :
MSVOA_W
ClientSampleId :
BGL74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 Pentalene, octahydro-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.335	6.56 ug/L	108812	Chlorobenzene-d5			11.628
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-		124	C9H16	003868-64-2	92
2	1H-Indene, octahydro-, cis-		124	C9H16	004551-51-3	55
3	Bicyclo[3.3.1]nonane		124	C9H16	000280-65-9	45
4	Cyclohexane, methylene-		96	C7H12	001192-37-6	43
5	7-Methyl-8-oxabicyclo[4.3.0]nonane		140	C9H16O	1000216-87-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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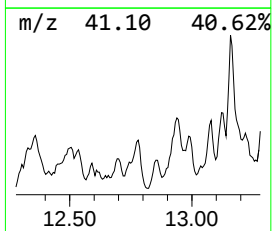
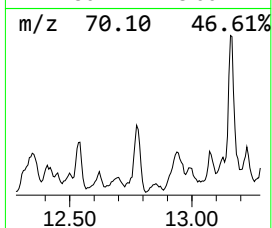
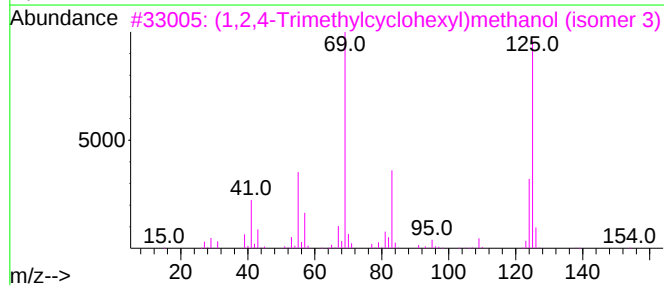
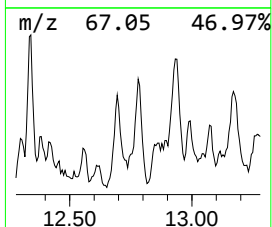
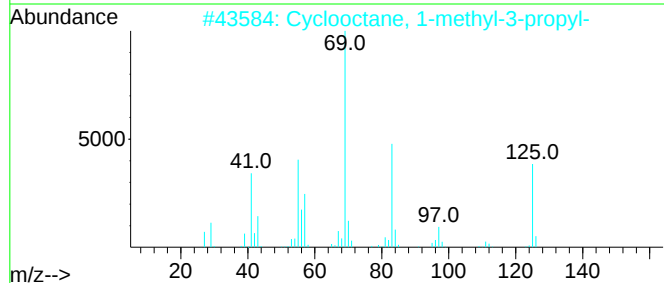
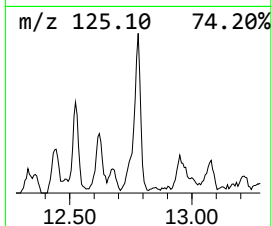
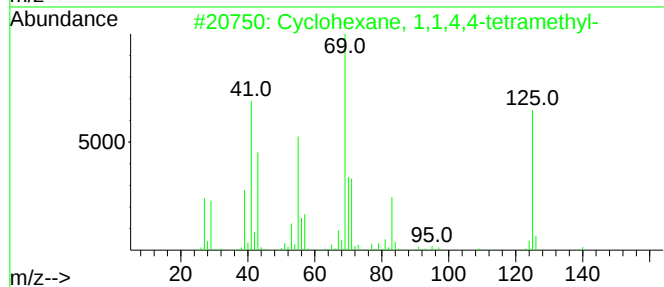
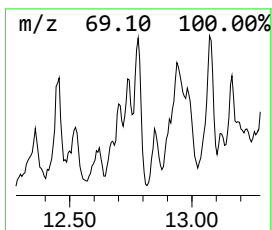
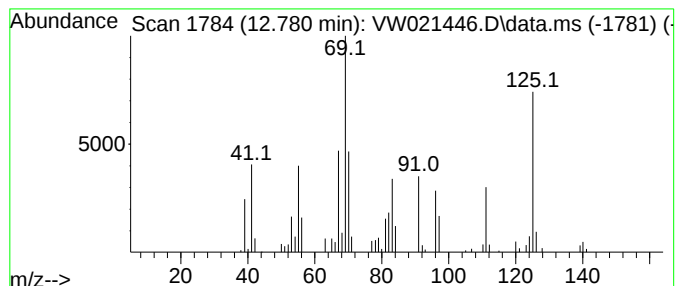
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic12.780 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	6.47 ug/L	98656	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	59
2			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	47
4			1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	43
5			(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

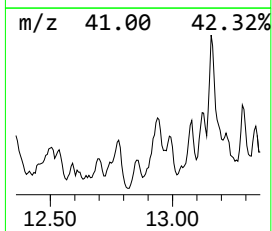
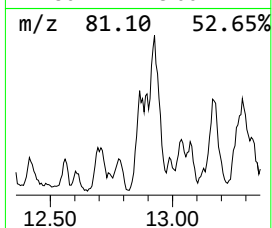
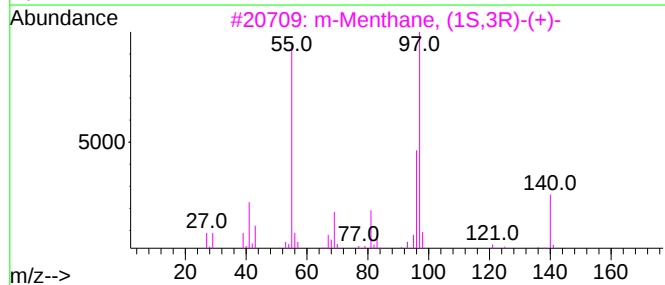
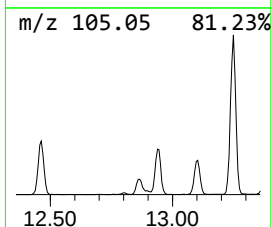
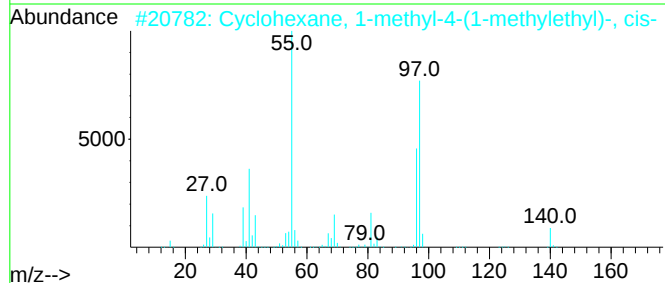
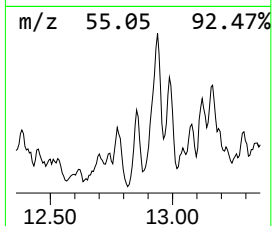
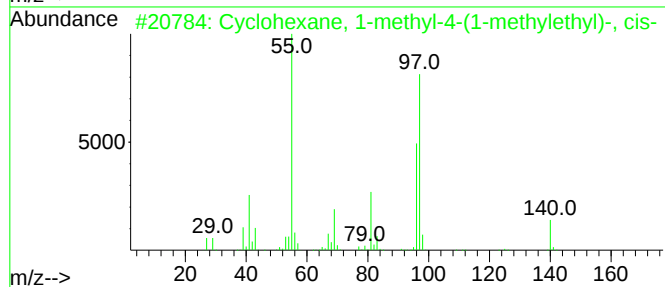
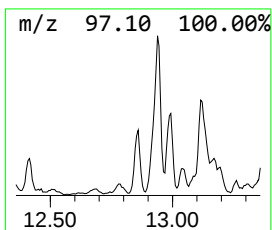
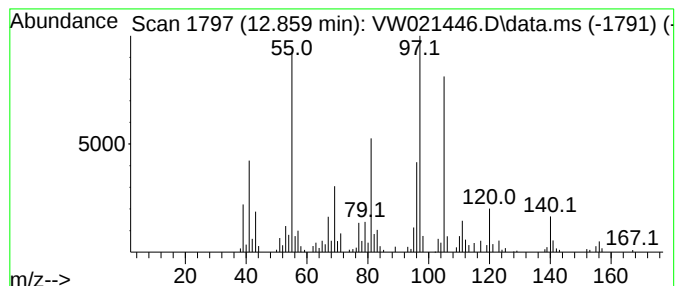
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic12.859 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	5.67 ug/L	86461	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
3			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	62
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	62
5			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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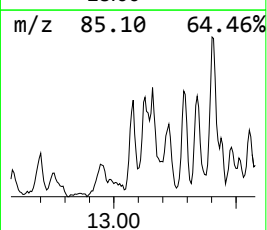
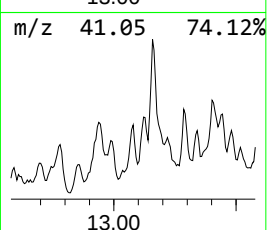
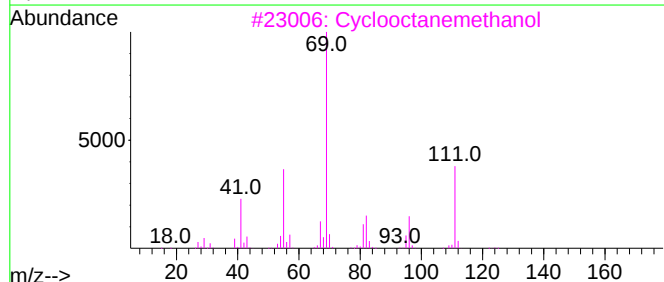
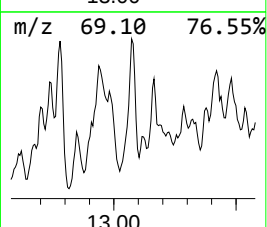
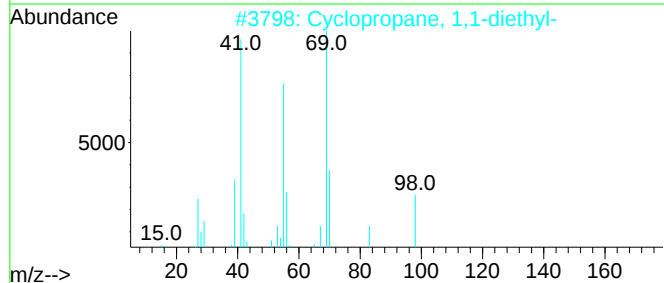
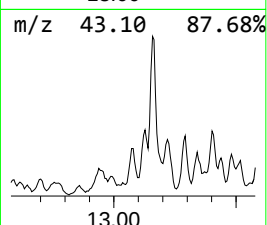
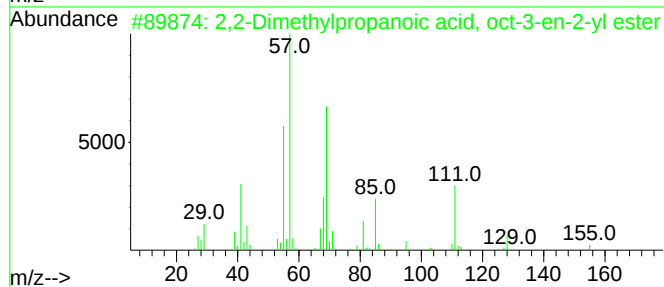
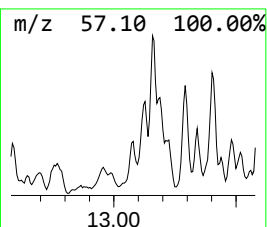
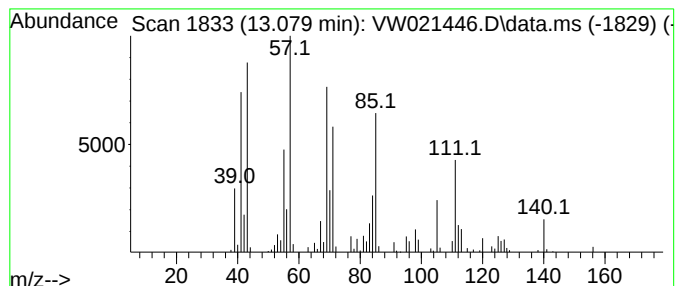
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Quant Title : SFAM01.0

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

Peak Number 10 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	4.52 ug/L	69025	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-Dimethylpropanoic acid, oct-...	212	C13H24O2	1000299-33-3	38
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	35
3			Cyclooctanemethanol	142	C9H18O	003637-63-6	27
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

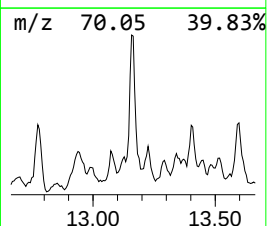
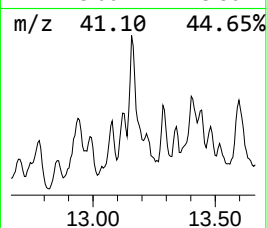
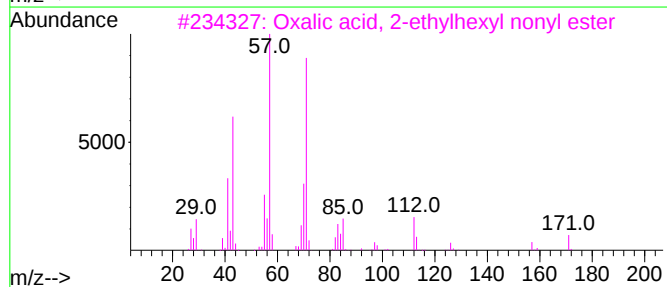
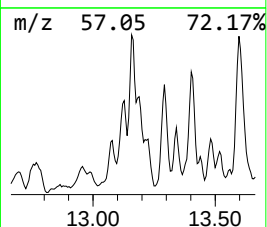
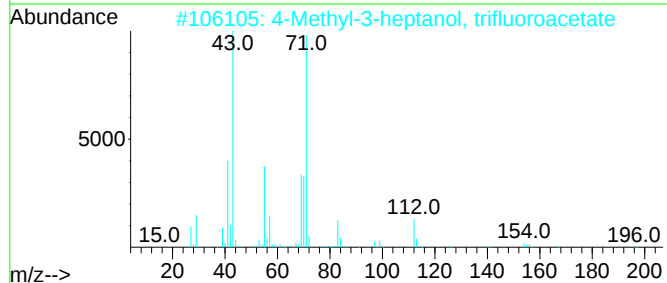
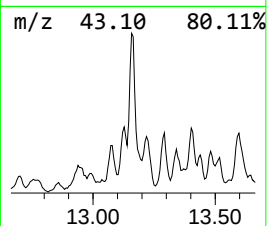
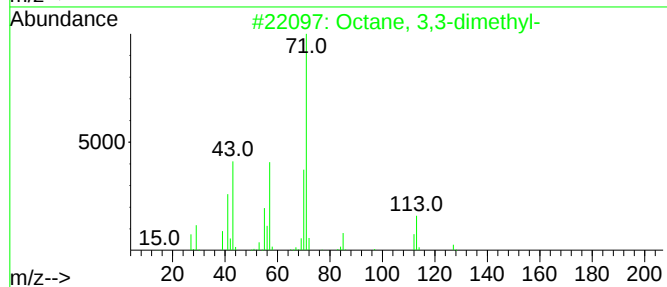
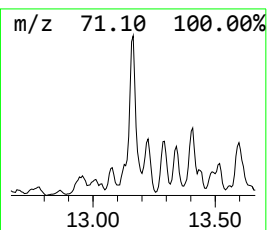
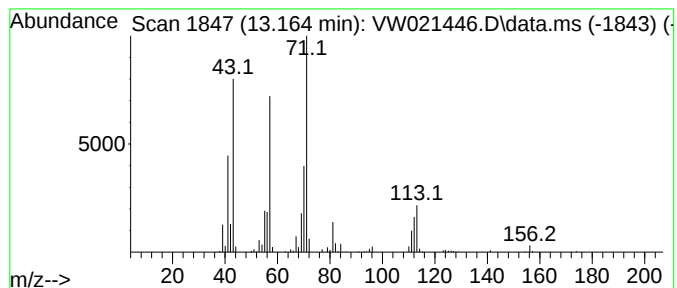
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	9.42 ug/L	143754	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
2			4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64
3			Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	59
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5			4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

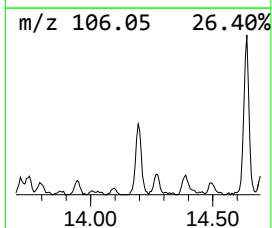
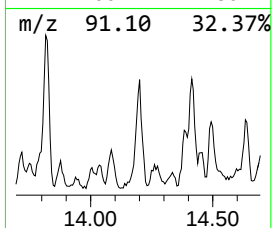
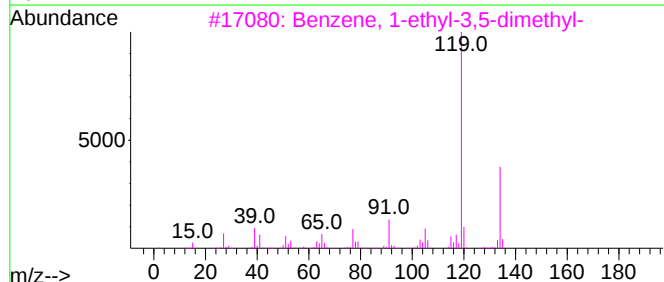
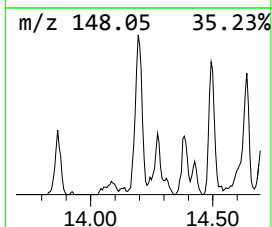
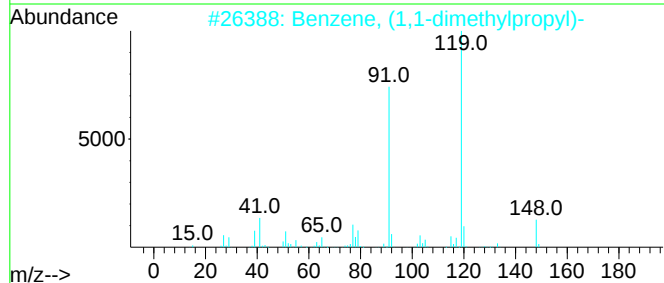
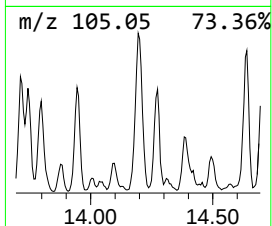
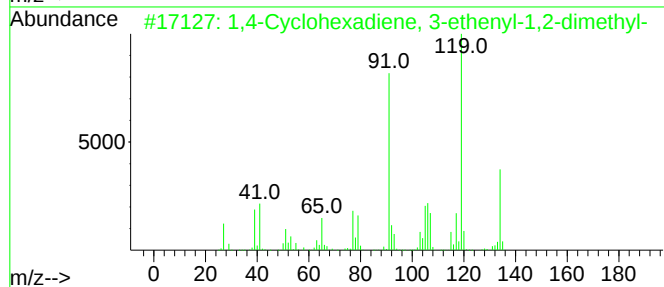
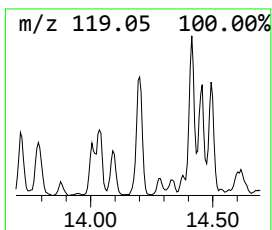
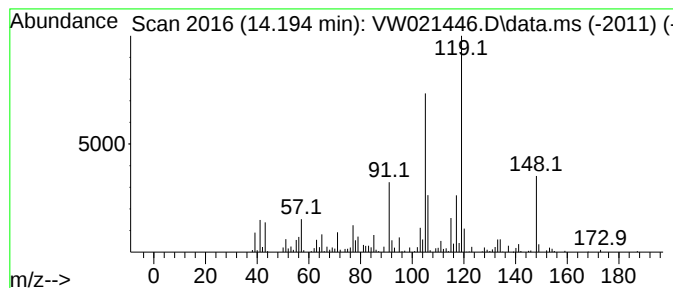
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Quant Title : SFAM01.0

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

Peak Number 12 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	8.43 ug/L	128614	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	64
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52
5			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

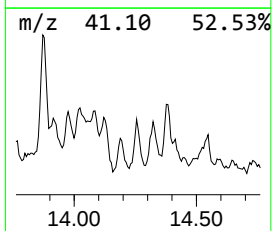
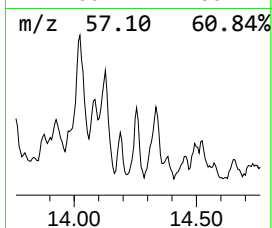
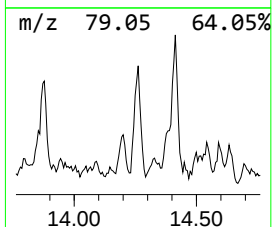
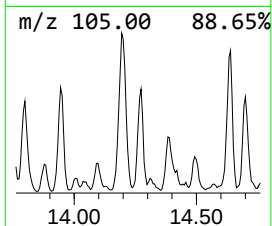
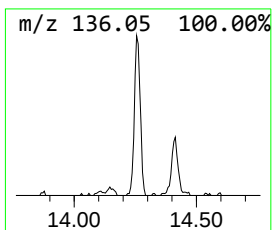
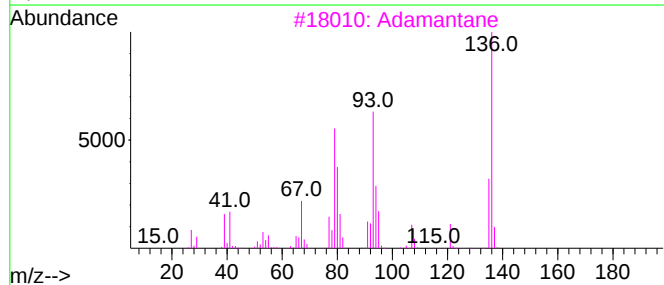
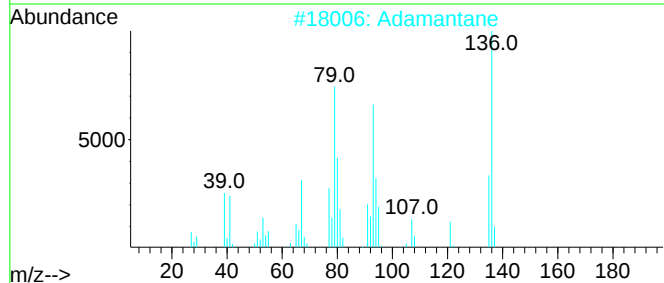
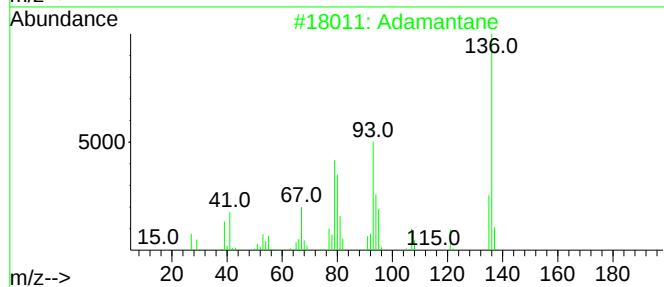
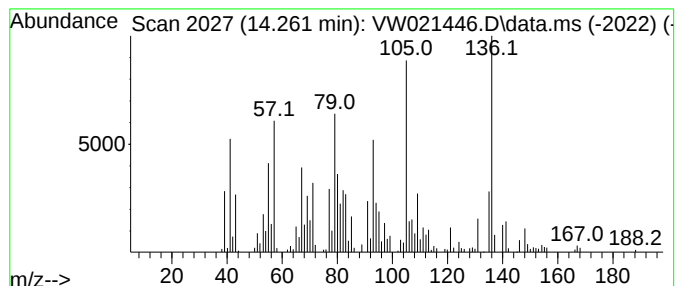
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Quant Title : SFAM01.0

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

Peak Number 13 Adamantane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	6.25 ug/L	95400	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	92
2	Adamantane			136	C10H16	000281-23-2	90
3	Adamantane			136	C10H16	000281-23-2	87
4	Adamantane			136	C10H16	000281-23-2	76
5	Adamantane			136	C10H16	000281-23-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

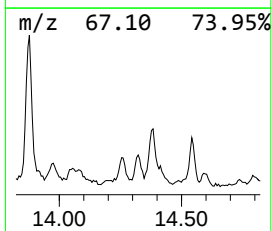
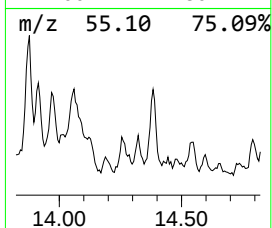
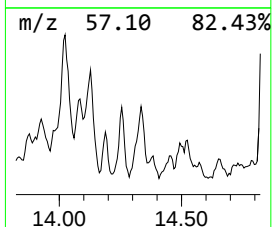
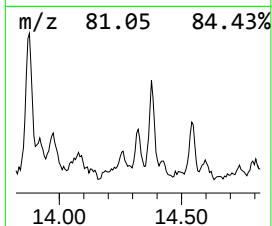
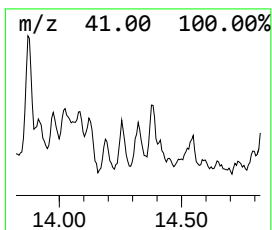
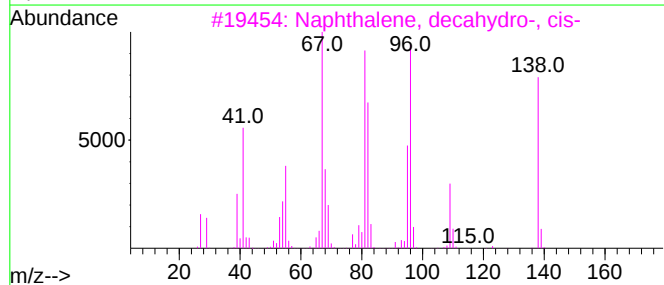
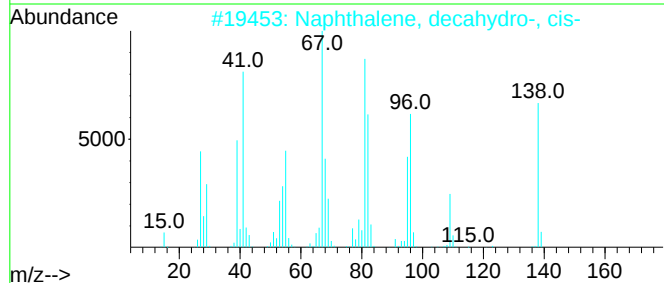
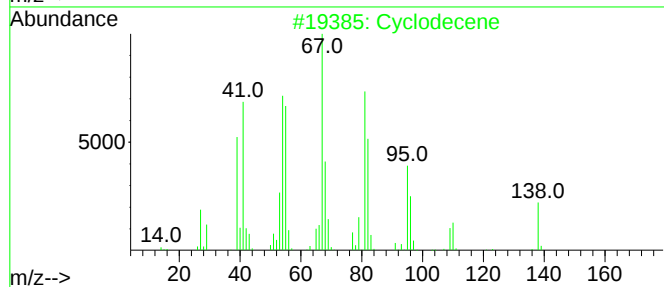
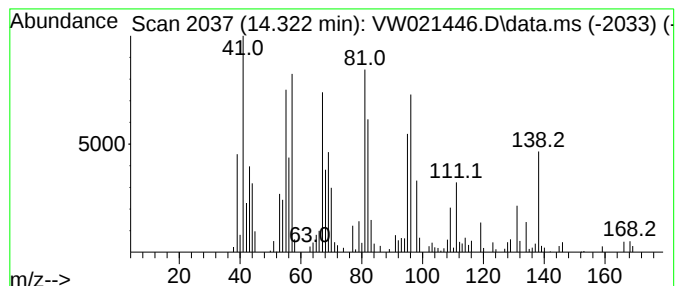
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Quant Title : SFAM01.0

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

Peak Number 14 Cyclodecene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	3.89 ug/L	59361	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclodecene	138	C10H18	003618-12-0	81
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	74
4			Cyclodecene	138	C10H18	003618-12-0	74
5			Cyclodecene, (Z)-	138	C10H18	000935-31-9	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

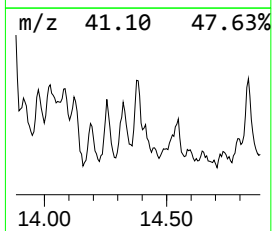
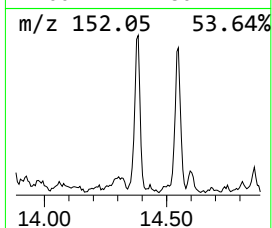
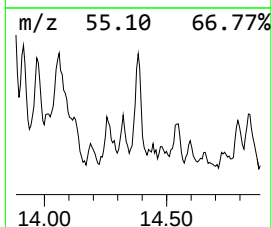
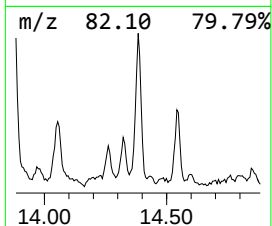
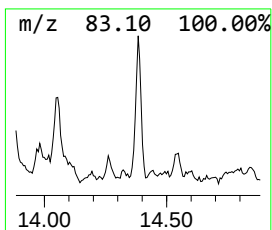
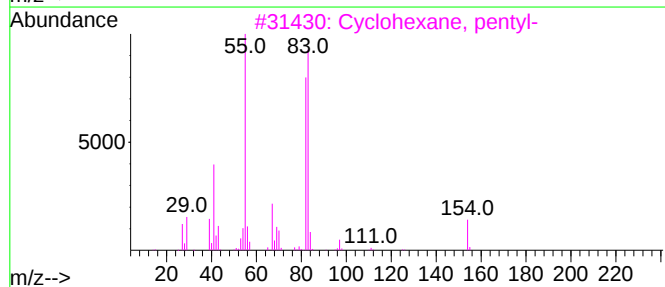
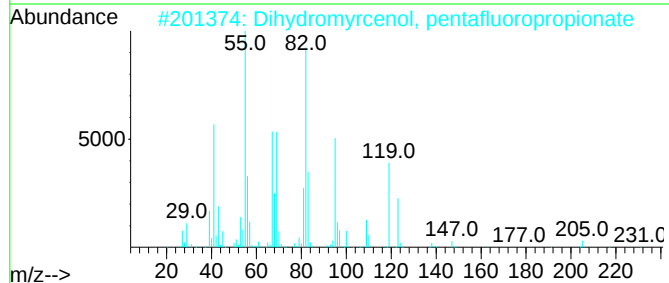
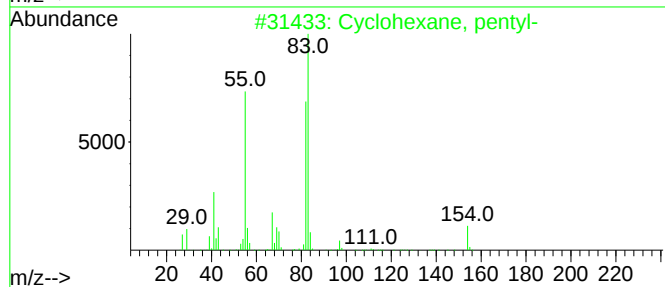
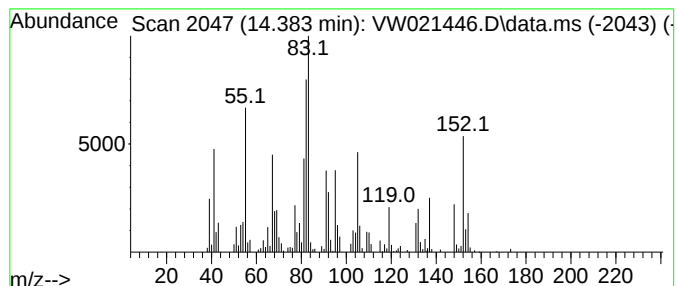
Instrument :
MSVOA_W
ClientSampleId :
BGL74

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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic14.383 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.383	6.98 ug/L	106455	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-		154	C11H22	004292-92-6	38
2	Dihydromyrcenol, pentafluoroprop...		302	C13H19F5O2	1000463-72-1	38
3	Cyclohexane, pentyl-		154	C11H22	004292-92-6	38
4	Cyclohexane, undecyl-		238	C17H34	054105-66-7	35
5	2-Cyclohexen-1-one, 2-methyl-5-(...		152	C10H16O	000499-71-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

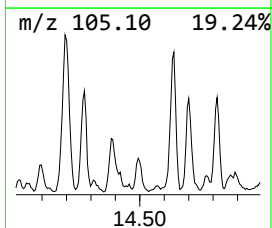
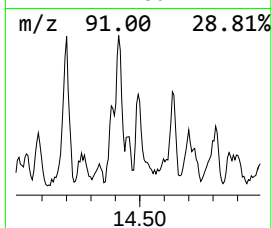
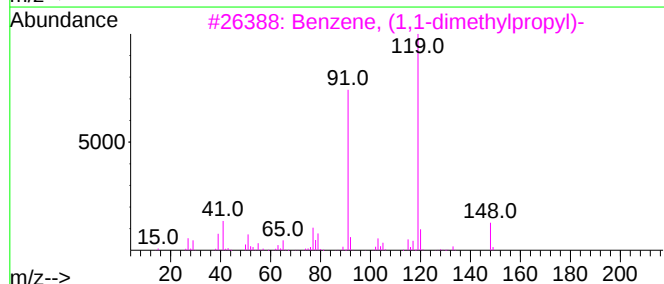
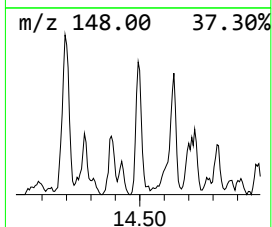
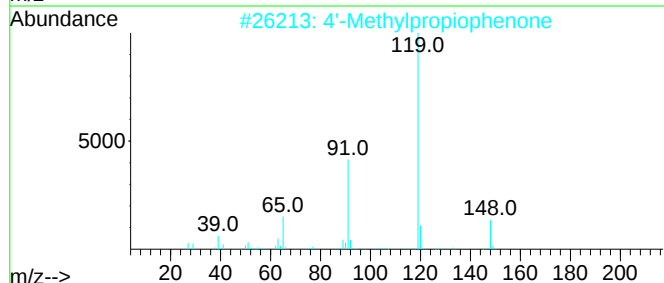
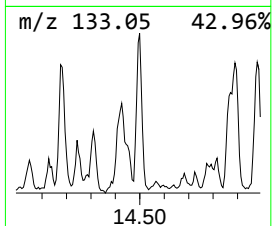
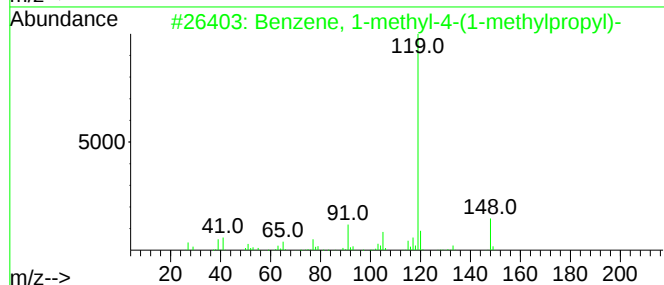
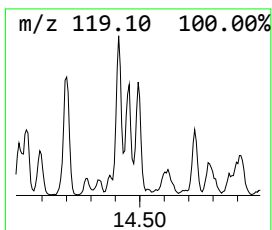
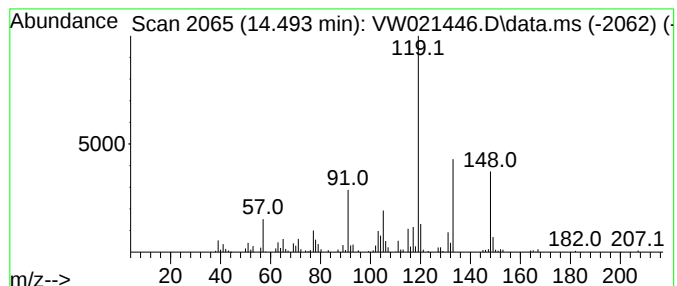
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Quant Title : SFAM01.0

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

Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	3.64 ug/L	55521	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2			4'-Methylpropiophenone	148	C10H12O	005337-93-9	49
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

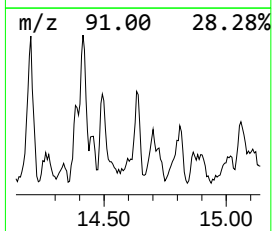
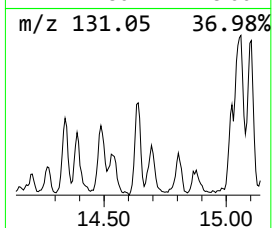
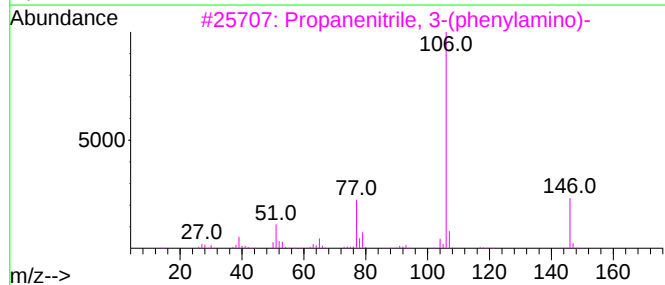
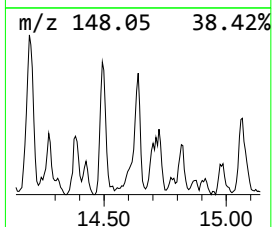
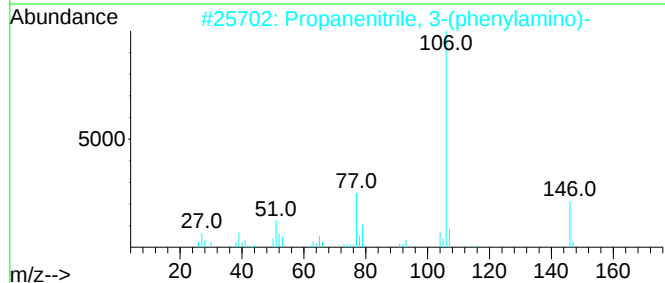
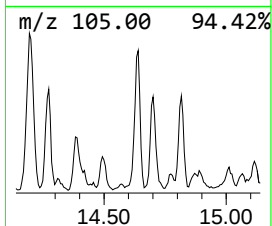
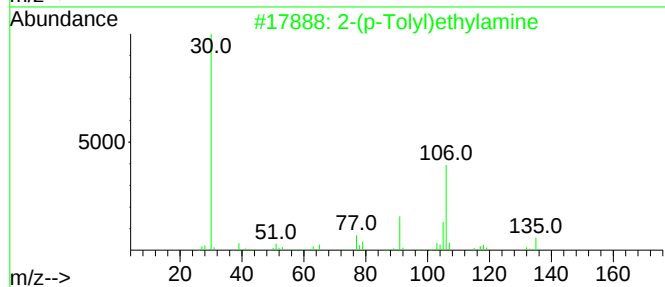
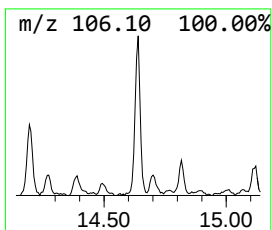
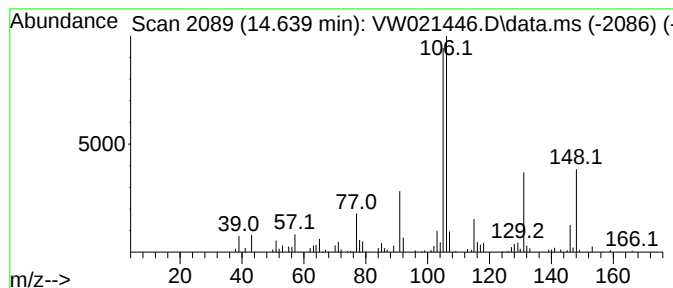
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Quant Title : SFAM01.0

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

Peak Number 17 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	3.11 ug/L	47380	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolyl)ethylamine			135	C9H13N	003261-62-9	47
2	Propanenitrile, 3-(phenylamino)-			146	C9H10N2	001075-76-9	38
3	Propanenitrile, 3-(phenylamino)-			146	C9H10N2	001075-76-9	38
4	2-Methylindan-2-ol			148	C10H12O	033223-84-6	35
5	Benzenamine, N-(2,2-dimethylprop...			163	C11H17N	007210-81-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

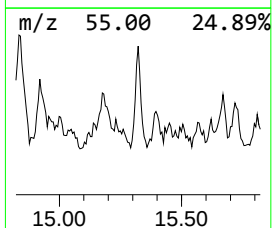
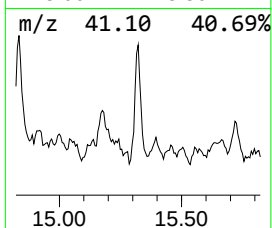
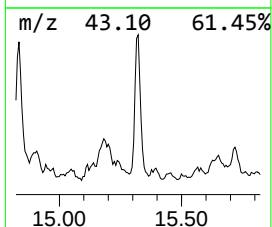
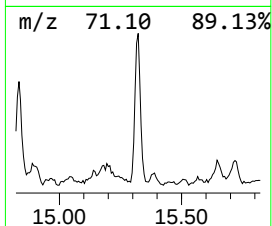
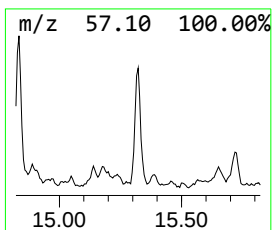
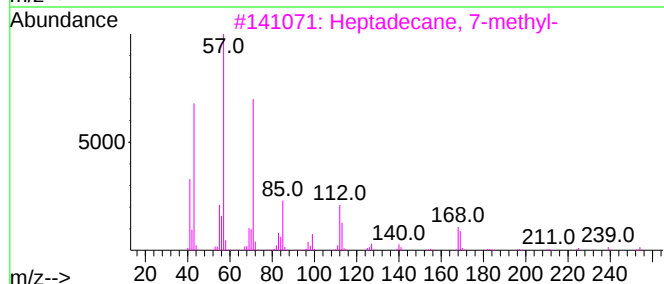
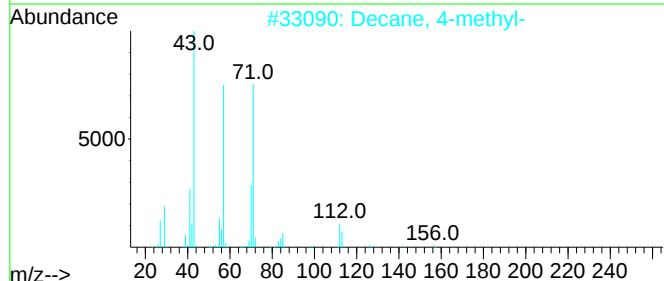
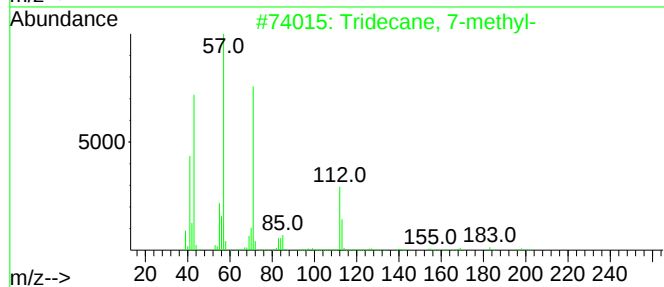
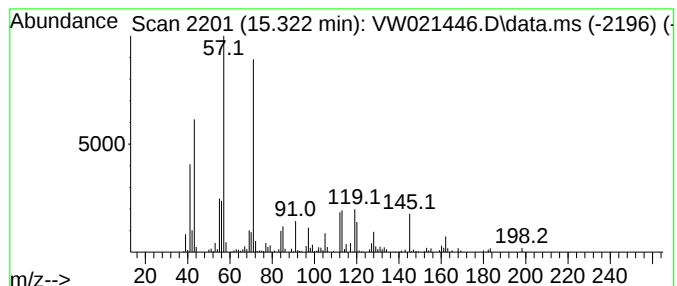
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	5.71 ug/L	87161	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	53
2			Decane, 4-methyl-	156	C11H24	002847-72-5	47
3			Heptadecane, 7-methyl-	254	C18H38	020959-33-5	47
4			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	46
5			Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

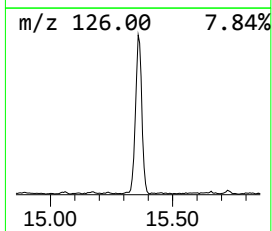
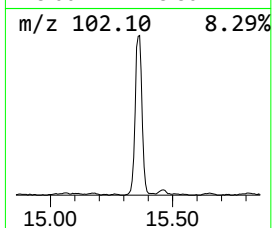
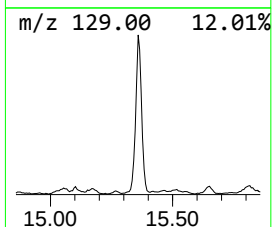
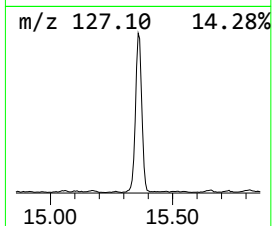
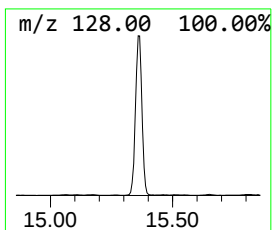
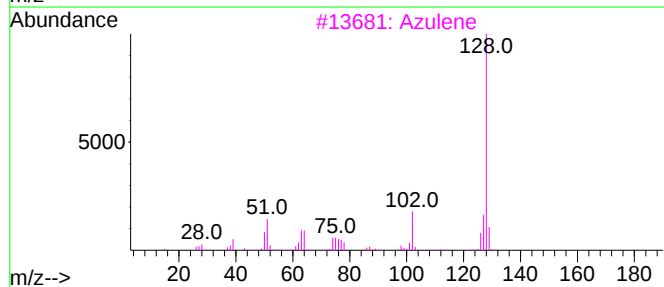
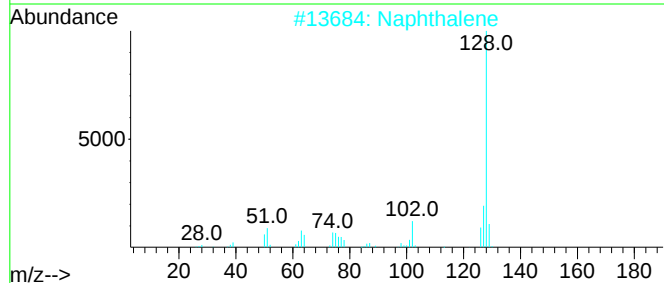
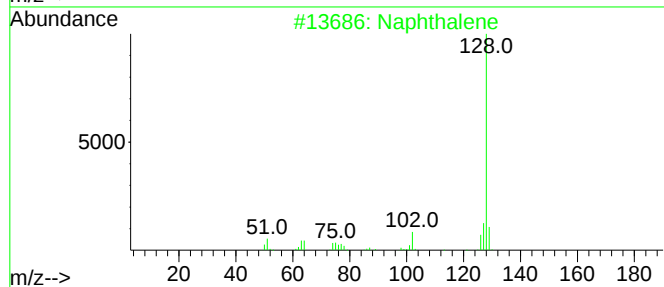
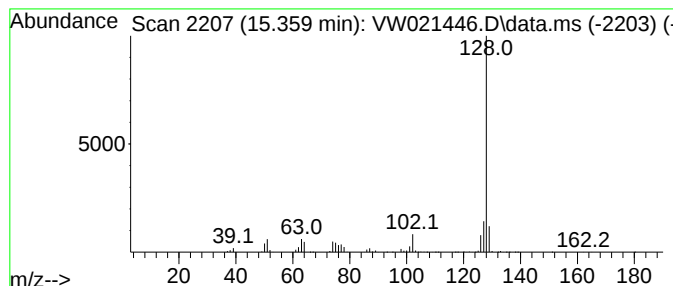
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Quant Title : SFAM01.0

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

Peak Number 19 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	44.44 ug/L	678011	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	94
3			Azulene	128	C10H8	000275-51-4	91
4			Azulene	128	C10H8	000275-51-4	91
5			Azulene	128	C10H8	000275-51-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

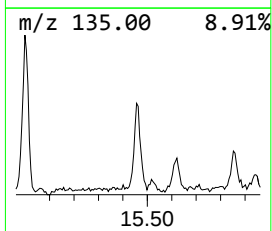
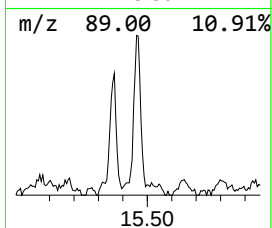
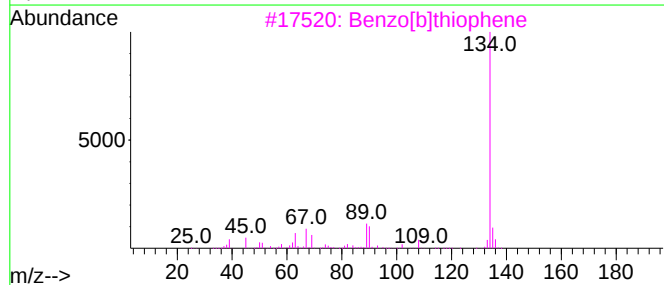
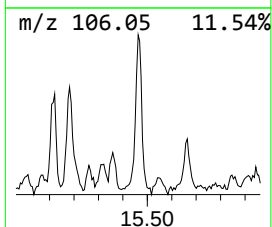
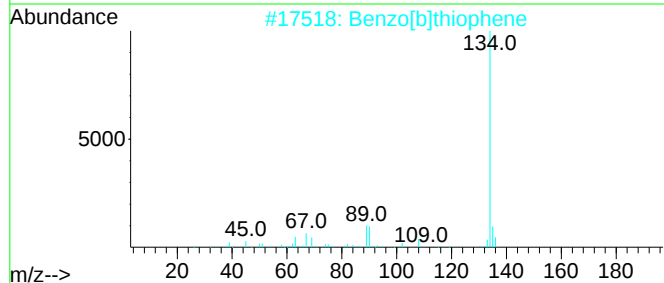
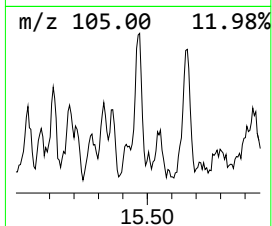
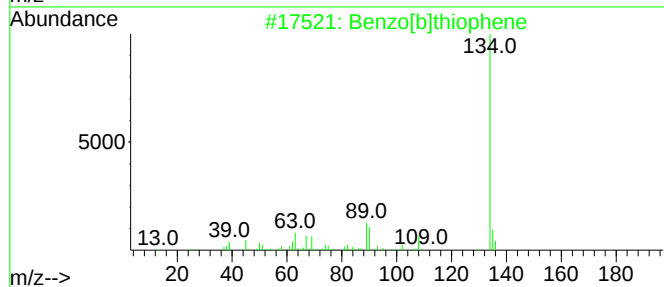
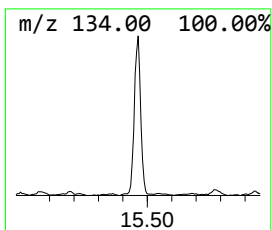
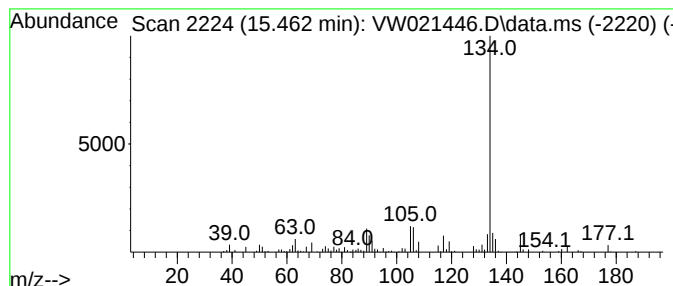
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Quant Title : SFAM01.0

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

Peak Number 20 Benzo[b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	5.43 ug/L	82913	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene	134	C8H6S	000095-15-8	76
2			Benzo[b]thiophene	134	C8H6S	000095-15-8	76
3			Benzo[b]thiophene	134	C8H6S	000095-15-8	76
4			Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	68
5			Benzo[c]thiophene	134	C8H6S	000270-82-6	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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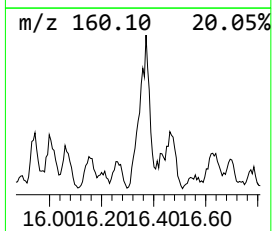
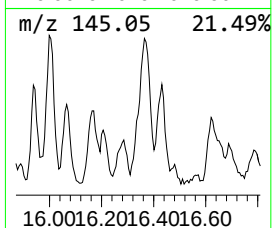
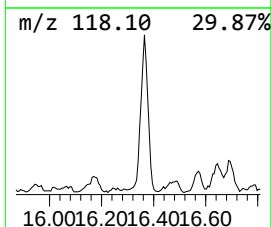
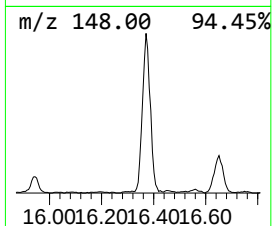
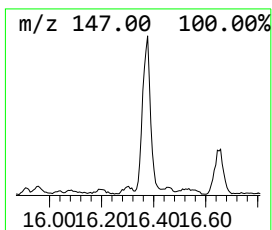
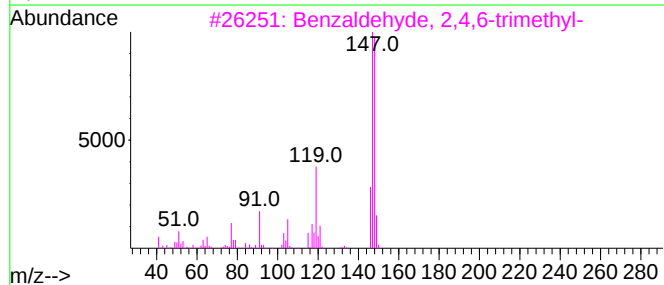
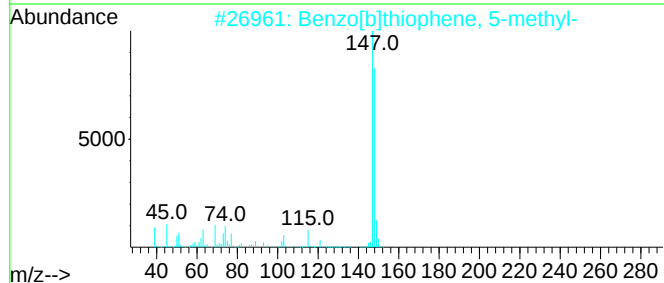
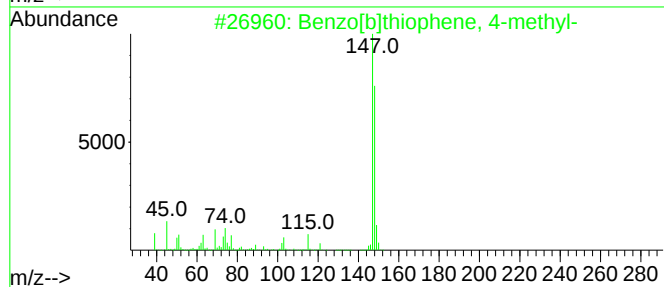
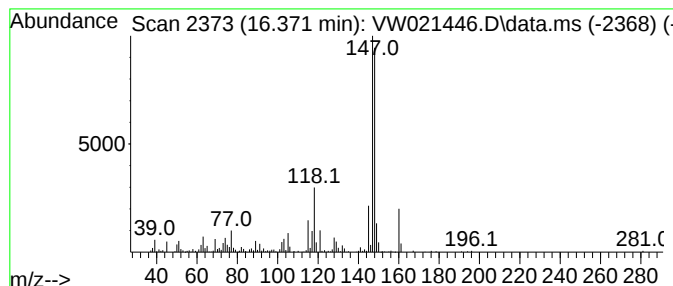
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Quant Title : SFAM01.0

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

Peak Number 21 Benzo[b]thiophene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	10.67 ug/L	162839	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	70
2			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	70
3			Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	64
4			Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	58
5			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021446.D
Acq On : 18 Dec 2021 01:40
Operator : SY/VA
Sample : M5153-09
Misc : 5.58g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

					--Internal Standard--			
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(DEL) Alkane: S...	11.512	1.5	ug/L	24908	2	11.628	414770	25.0
(DEL) Alkane: C...	11.914	1.4	ug/L	23801	2	11.628	414770	25.0
(DEL) Alkane: S...	12.060	1.4	ug/L	23717	2	11.628	414770	25.0
(DEL) Alkane: C...	12.134	9.6	ug/L	159127	2	11.628	414770	25.0
(DEL) Alkane: S...	12.249	3.7	ug/L	61371	2	11.628	414770	25.0
Pentalene, octa...	12.335	6.6	ug/L	108812	2	11.628	414770	25.0
(DEL) Alkane: C...	12.780	6.5	ug/L	98656	3	13.554	381462	25.0
(DEL) Alkane: C...	12.859	5.7	ug/L	86461	3	13.554	381462	25.0
unknown-01	13.079	4.5	ug/L	69025	3	13.554	381462	25.0
(DEL) Alkane: S...	13.164	9.4	ug/L	143754	3	13.554	381462	25.0
1,4-Cyclohexadi...	14.194	8.4	ug/L	128614	3	13.554	381462	25.0
Adamantane	14.261	6.3	ug/L	95400	3	13.554	381462	25.0
Cyclodecene	14.322	3.9	ug/L	59361	3	13.554	381462	25.0
(DEL) Alkane: C...	14.383	7.0	ug/L	106455	3	13.554	381462	25.0
Benzene, 1-meth...	14.493	3.6	ug/L	55521	3	13.554	381462	25.0
unknown-02	14.639	3.1	ug/L	47380	3	13.554	381462	25.0
(DEL) Alkane: S...	15.322	5.7	ug/L	87161	3	13.554	381462	25.0
Azulene	15.359	44.4	ug/L	678011	3	13.554	381462	25.0
Benzo[b]thiophene	15.462	5.4	ug/L	82913	3	13.554	381462	25.0
Benzo[b]thiophe...	16.371	10.7	ug/L	162839	3	13.554	381462	25.0