

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020325.D
 Acq On : 06 Oct 2021 20:11
 Operator : SY/VA
 Sample : M4001-09
 Misc : 6.06g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW922

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\SFAMWLM100621SMA.M
 Title : SFAM01.0

Signal : TIC: VW020325.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	67	73	81	rVB	85255	135194	15.01%	2.159%
2	2.812	145	149	154	rBV2	1949	3119	0.35%	0.050%
3	2.885	154	161	170	rVB	42133	84650	9.40%	1.352%
4	3.294	224	228	236	rVB4	901	1724	0.19%	0.028%
5	3.385	236	243	251	rVB3	2351	5866	0.65%	0.094%
6	3.739	297	301	303	rBV3	556	652	0.07%	0.010%
7	4.019	335	347	361	rBV	99938	294007	32.64%	4.695%
8	4.123	361	364	365	rBV	833	918	0.10%	0.015%
9	4.257	381	386	393	rVB3	676	1730	0.19%	0.028%
10	4.385	397	407	419	rBV	3795	11221	1.25%	0.179%
11	4.611	437	444	447	rBV	1271	2783	0.31%	0.044%
12	4.922	483	495	508	rBV2	11444	39507	4.39%	0.631%
13	5.440	570	580	589	rVB5	1906	6558	0.73%	0.105%
14	5.946	652	663	670	rBV4	2301	6820	0.76%	0.109%
15	6.226	700	709	719	rVB3	1623	4731	0.53%	0.076%
16	6.879	809	816	824	rVB6	618	1564	0.17%	0.025%
17	6.976	827	832	833	rVV2	549	774	0.09%	0.012%
18	6.994	833	835	839	rVV4	689	995	0.11%	0.016%
19	7.086	842	850	856	rVV	7011	20485	2.27%	0.327%
20	7.165	858	863	874	rVV3	9427	27442	3.05%	0.438%
21	7.543	922	925	930	rBV2	247	465	0.05%	0.007%
22	7.653	930	943	955	rBV	170024	418529	46.47%	6.684%
23	7.878	969	980	988	rBV2	18818	48304	5.36%	0.771%
24	7.946	989	991	999	rVB4	1262	2449	0.27%	0.039%
25	8.037	999	1006	1013	rVB3	3396	8272	0.92%	0.132%
26	8.159	1018	1026	1030	rBV3	459	801	0.09%	0.013%
27	8.281	1030	1046	1060	rBV2	287519	900641	100.00%	14.384%
28	8.573	1089	1094	1107	rVB4	8644	21825	2.42%	0.349%
29	8.695	1110	1114	1121	rVV3	1021	1740	0.19%	0.028%
30	8.842	1130	1138	1150	rBV	257997	523436	58.12%	8.360%
31	9.092	1171	1179	1191	rVB	140247	279530	31.04%	4.464%
32	9.275	1200	1209	1224	rBV	212708	458547	50.91%	7.323%
33	9.384	1224	1227	1233	rVB5	1531	3103	0.34%	0.050%
34	9.610	1254	1264	1270	rBV2	11331	23184	2.57%	0.370%
35	9.750	1280	1287	1296	rVB3	10571	20744	2.30%	0.331%
36	9.902	1306	1312	1313	rBV2	655	927	0.10%	0.015%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Title : SFAM01.0

37	9.945	1313	1319	1324	rVB2	2617	5192	0.58%	0.083%
38	10.037	1327	1334	1339	rBV	61419	112107	12.45%	1.790%
39	10.128	1347	1349	1356	rVB3	1338	1938	0.22%	0.031%
40	10.213	1356	1363	1366	rBV5	1787	3756	0.42%	0.060%

41	10.323	1374	1381	1388	rBV	292502	525130	58.31%	8.387%
42	10.384	1388	1391	1400	rVB	11575	21472	2.38%	0.343%
43	10.506	1403	1411	1417	rVB5	8575	21139	2.35%	0.338%
44	10.579	1417	1423	1428	rBV	40816	72321	8.03%	1.155%
45	10.665	1432	1437	1443	rVB	14563	24232	2.69%	0.387%

46	10.762	1448	1453	1458	rVB6	3419	5901	0.66%	0.094%
47	10.811	1458	1461	1464	rVB2	794	879	0.10%	0.014%
48	10.860	1464	1469	1475	rBV2	11723	20613	2.29%	0.329%
49	10.927	1475	1480	1490	rVB	27215	48874	5.43%	0.781%
50	11.024	1490	1496	1500	rBV7	1453	3227	0.36%	0.052%

51	11.061	1500	1502	1507	rVB5	1379	1731	0.19%	0.028%
52	11.116	1507	1511	1512	rBV3	1917	2597	0.29%	0.041%
53	11.146	1512	1516	1518	rBV4	2503	4024	0.45%	0.064%
54	11.232	1525	1530	1535	rVB2	13598	23898	2.65%	0.382%
55	11.286	1535	1539	1542	rBV2	2910	4290	0.48%	0.069%

56	11.329	1542	1546	1552	rVB3	6714	11227	1.25%	0.179%
57	11.384	1552	1555	1558	rBV4	758	892	0.10%	0.014%
58	11.433	1558	1563	1572	rVB2	10063	19265	2.14%	0.308%
59	11.512	1572	1576	1580	rBV4	1230	2441	0.27%	0.039%
60	11.561	1580	1584	1587	rVB6	882	1238	0.14%	0.020%

61	11.634	1588	1596	1605	rBV	246875	416083	46.20%	6.645%
62	11.725	1605	1611	1614	rBV4	4144	9076	1.01%	0.145%
63	11.762	1614	1617	1622	rVB3	6633	9478	1.05%	0.151%
64	11.829	1622	1628	1632	rBV7	4633	11841	1.31%	0.189%
65	11.878	1632	1636	1637	rBV2	3945	5467	0.61%	0.087%

66	11.975	1647	1652	1658	rBV6	4988	10734	1.19%	0.171%
67	12.036	1658	1662	1670	rVB4	4639	9642	1.07%	0.154%
68	12.140	1670	1679	1686	rBV4	20044	48801	5.42%	0.779%
69	12.225	1690	1693	1696	rBV3	3381	5224	0.58%	0.083%
70	12.304	1701	1706	1707	rBV2	5391	8172	0.91%	0.131%

71	12.353	1707	1714	1722	rVV3	24895	71476	7.94%	1.142%
72	12.615	1752	1757	1761	rVB3	6917	12143	1.35%	0.194%
73	12.695	1763	1770	1776	rBV	126129	218614	24.27%	3.491%
74	12.780	1779	1784	1790	rVB2	63610	111338	12.36%	1.778%
75	12.859	1790	1797	1802	rBV5	14682	37132	4.12%	0.593%

76	12.945	1804	1811	1817	rVV8	19145	50735	5.63%	0.810%
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77	13.079	1830	1833	1837	rBV2	10544	15140	1.68%	0.242%
78	13.170	1844	1848	1850	rBV4	10688	17399	1.93%	0.278%
79	13.262	1858	1863	1865	rBV4	10162	17876	1.98%	0.285%
80	13.377	1879	1882	1886	rBV3	9588	14360	1.59%	0.229%
81	13.560	1906	1912	1919	rVB	108204	181808	20.19%	2.904%
82	13.646	1919	1926	1929	rBV6	8440	20525	2.28%	0.328%
83	13.694	1930	1934	1940	rVV4	18397	34340	3.81%	0.548%
84	13.853	1955	1960	1970	rVB2	108679	266891	29.63%	4.262%
85	14.012	1983	1986	1993	rVB2	16520	25113	2.79%	0.401%
86	14.158	2007	2010	2011	rBV2	6427	6887	0.76%	0.110%
87	14.207	2013	2018	2023	rVB2	36102	64331	7.14%	1.027%
88	14.383	2043	2047	2050	rBV2	23100	32151	3.57%	0.513%
89	14.457	2056	2059	2062	rVB	15573	19806	2.20%	0.316%
90	14.499	2063	2066	2069	rVV	10007	12509	1.39%	0.200%
91	14.548	2069	2074	2080	rVB4	33381	60036	6.67%	0.959%
92	14.792	2109	2114	2121	rBV3	18878	46850	5.20%	0.748%
93	15.176	2171	2177	2183	rVB4	19308	39489	4.38%	0.631%
94	15.316	2197	2200	2209	rVB6	8179	15584	1.73%	0.249%
95	15.737	2264	2269	2272	rBV6	3208	6571	0.73%	0.105%
96	15.859	2285	2289	2293	rBV6	2491	4838	0.54%	0.077%
97	16.170	2332	2340	2348	rBV9	4744	12363	1.37%	0.197%
98	16.359	2367	2371	2379	rVB9	1760	4397	0.49%	0.070%
99	16.474	2388	2390	2399	rVB8	2044	3755	0.42%	0.060%
100	16.737	2431	2433	2439	rBV5	673	951	0.11%	0.015%

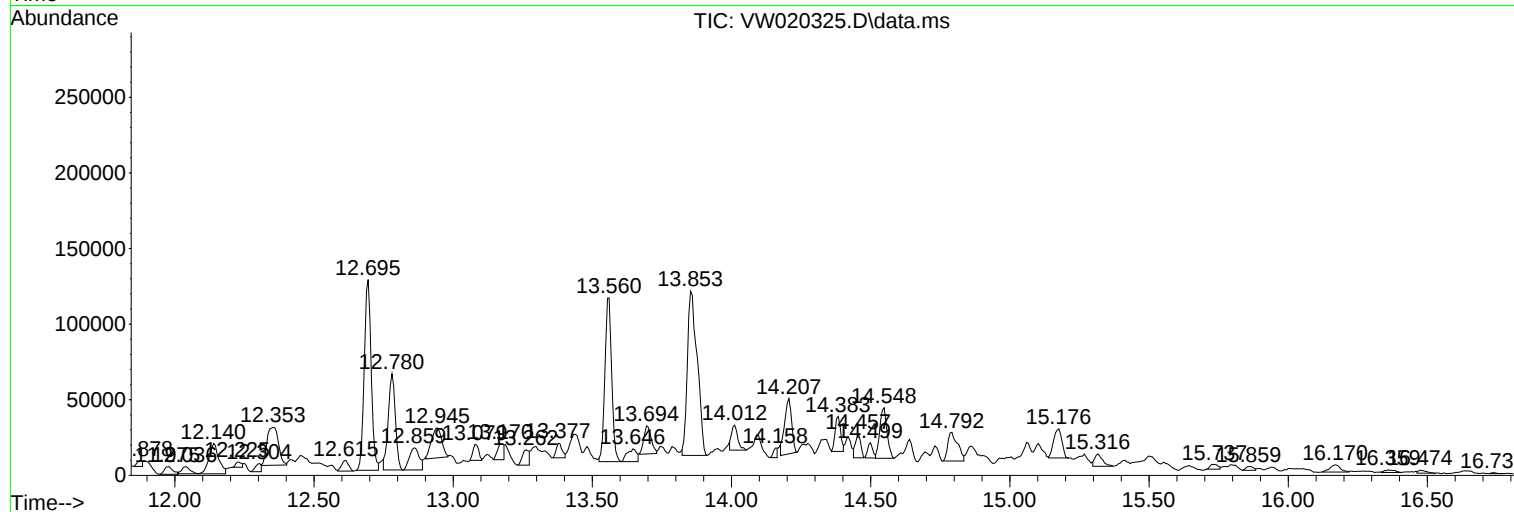
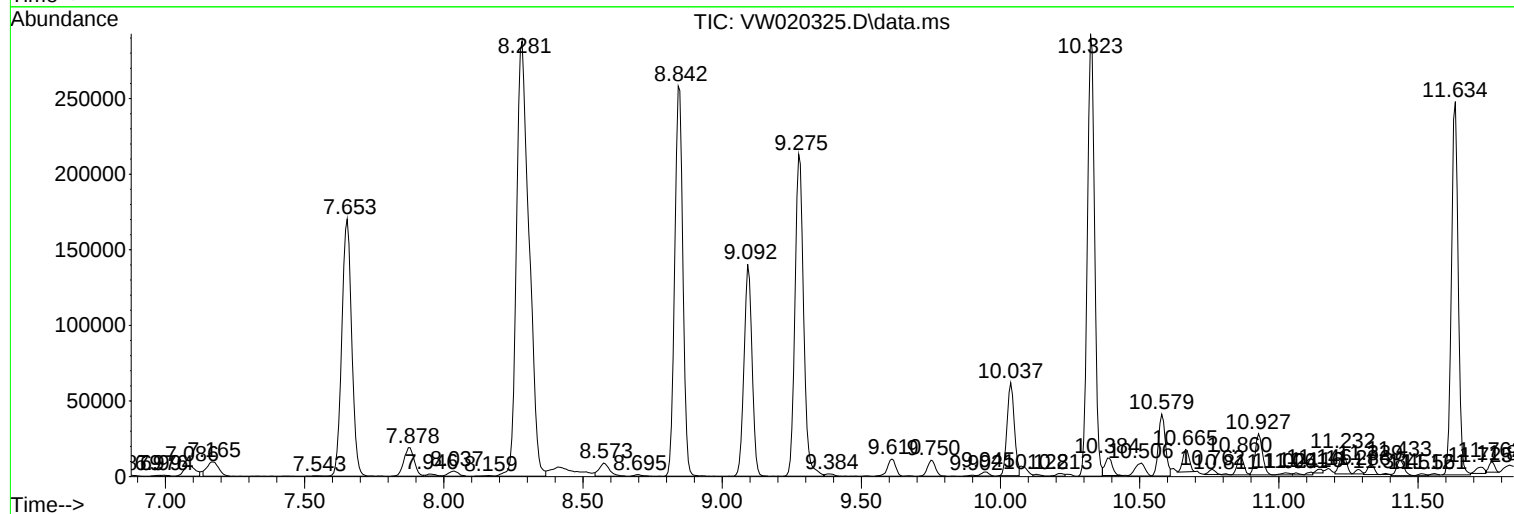
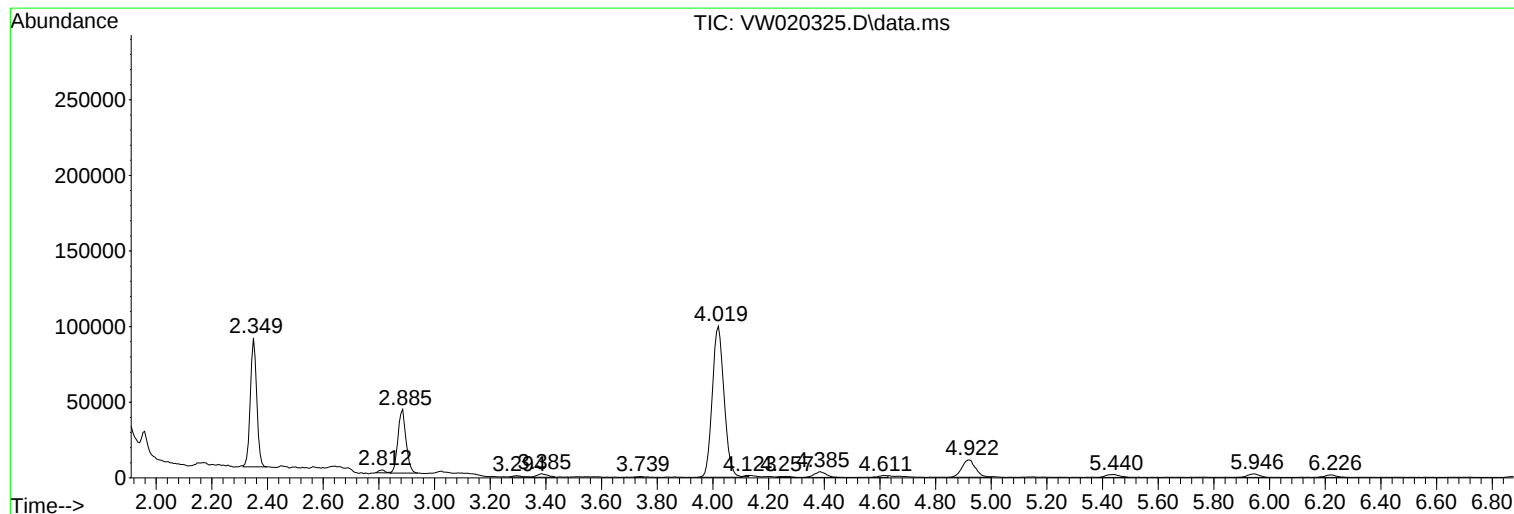
Sum of corrected areas: 6261547

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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



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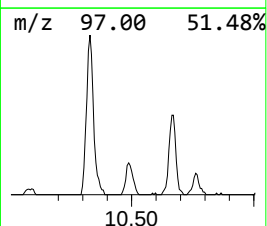
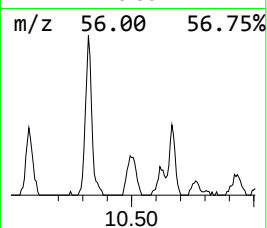
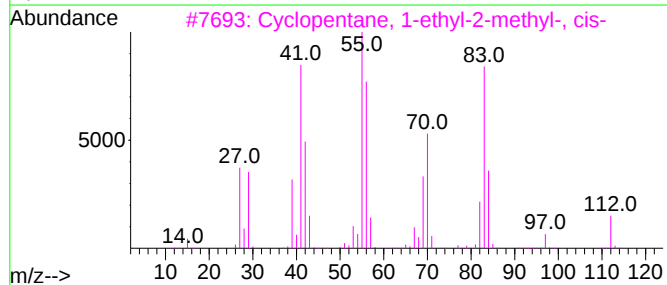
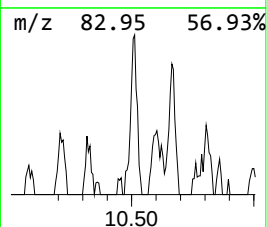
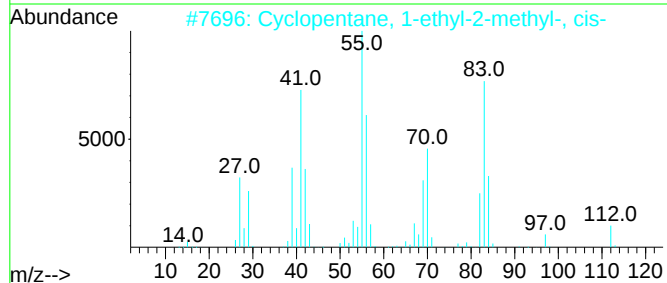
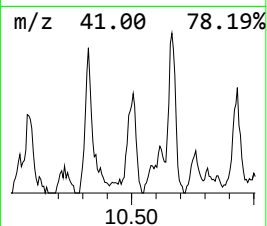
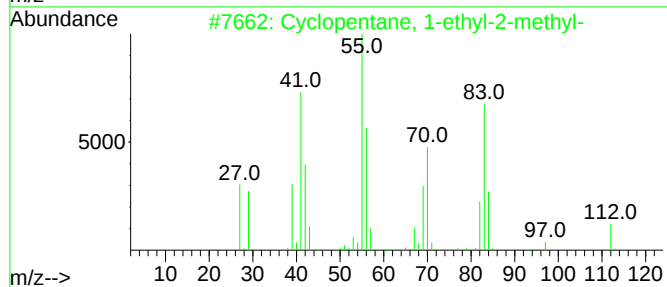
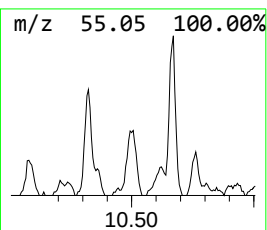
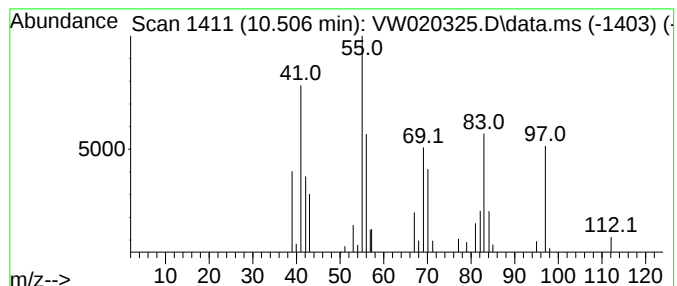
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic10.506 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.27 ug/L	21139	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	76
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	68
4			8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	58
5			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	58



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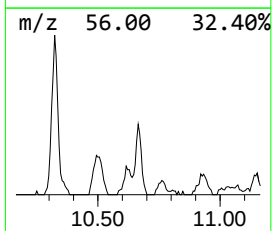
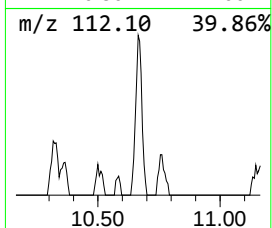
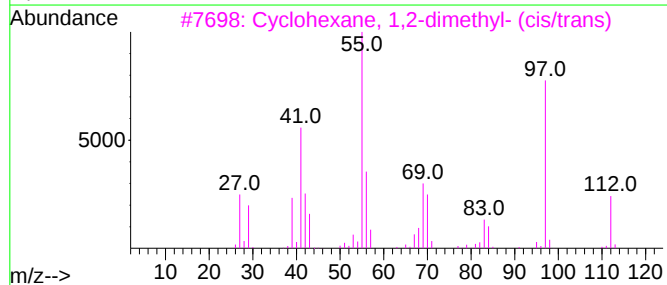
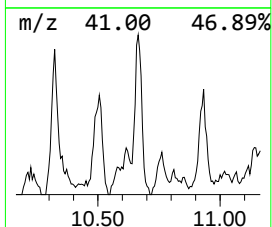
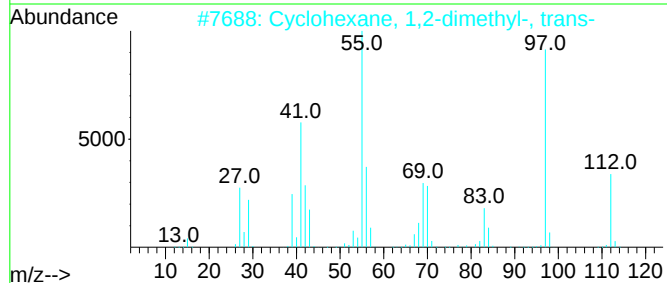
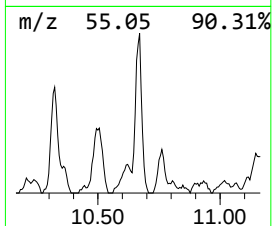
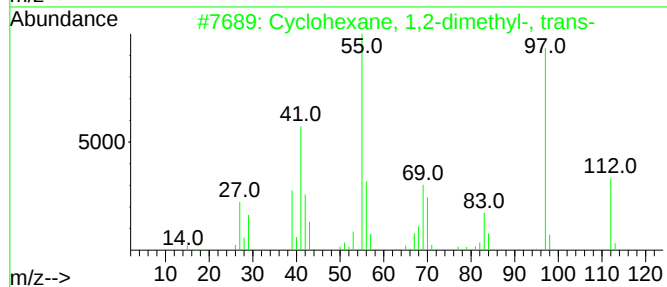
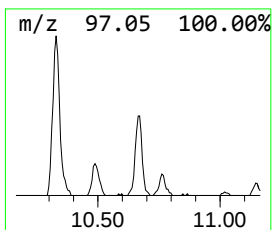
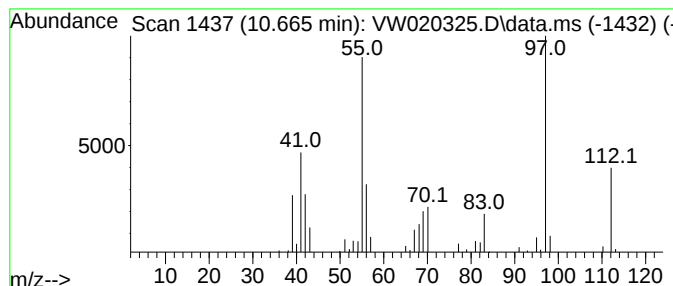
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic10.665 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	1.46 ug/L	24232	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
3			Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	83
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83



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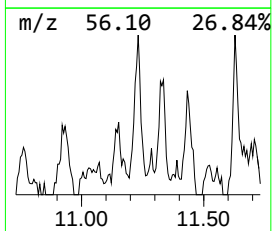
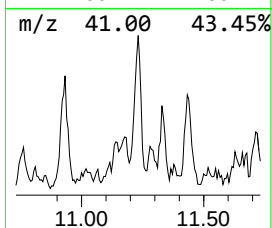
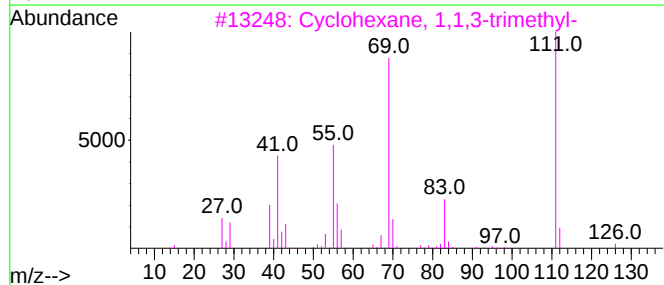
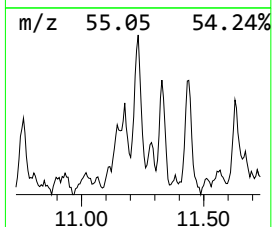
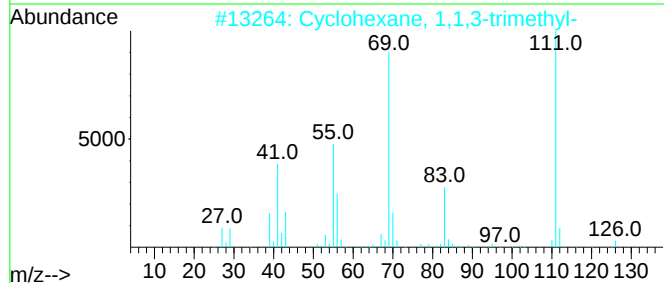
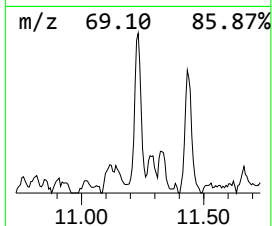
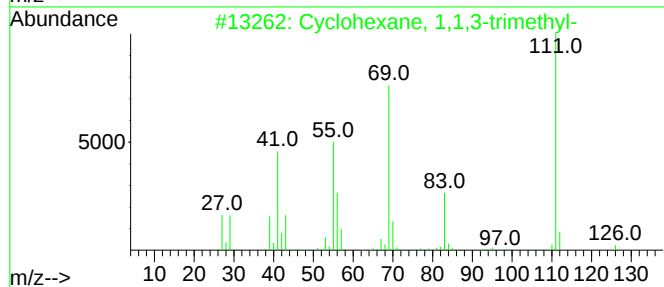
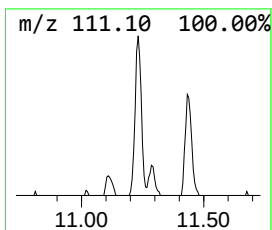
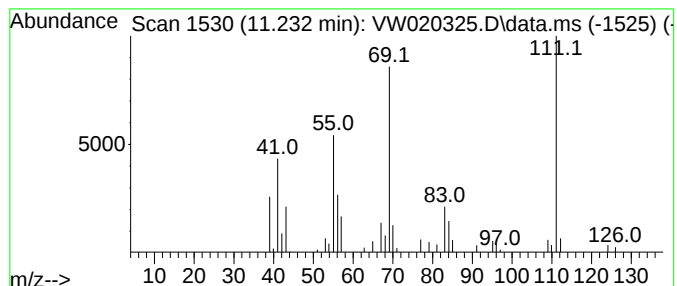
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.232 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	1.44 ug/L	23898	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

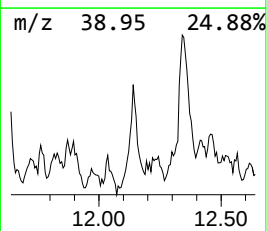
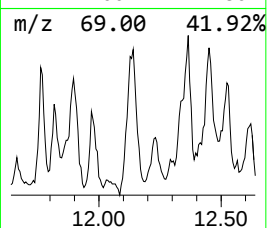
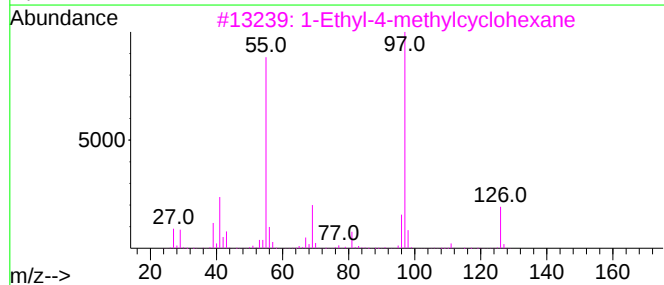
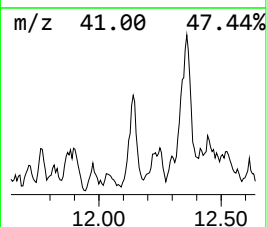
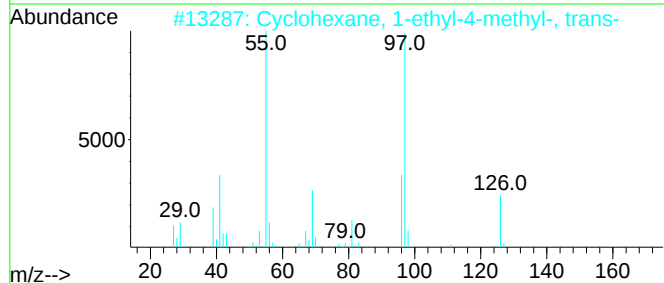
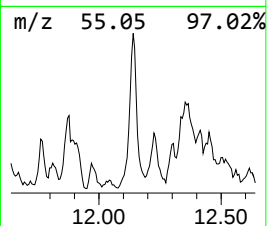
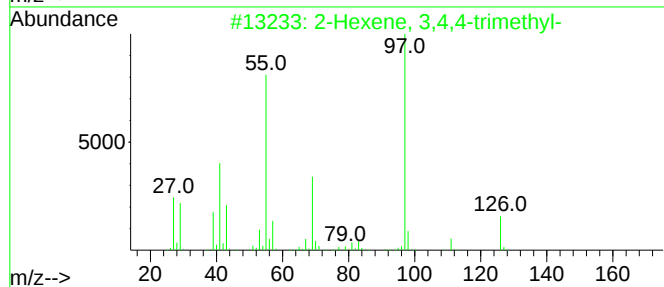
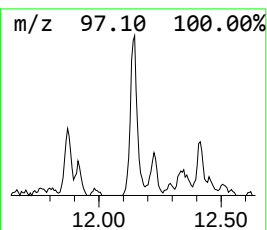
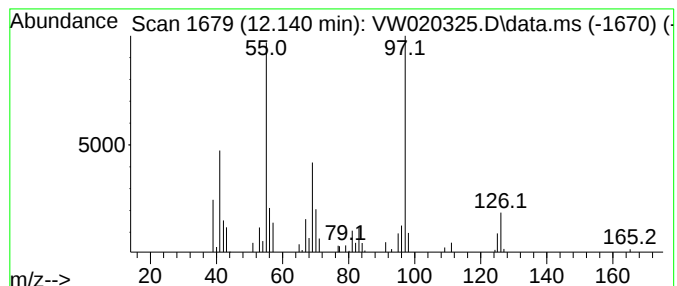
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	2.93 ug/L	48801	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-		126	C9H18	053941-19-8	58	
2	Cyclohexane, 1-ethyl-4-methyl-, ...		126	C9H18	006236-88-0	58	
3	1-Ethyl-4-methylcyclohexane		126	C9H18	003728-56-1	58	
4	3,5-Dimethyl-3-heptene		126	C9H18	059643-68-4	58	
5	Cyclohexane, 1-ethyl-4-methyl-, ...		126	C9H18	004926-78-7	58	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

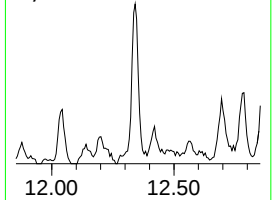
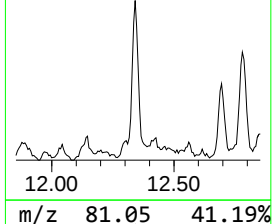
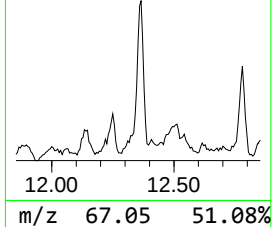
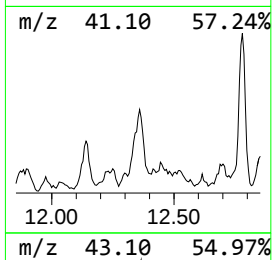
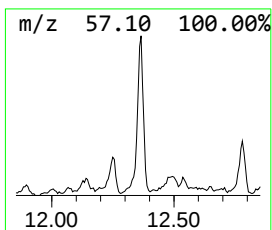
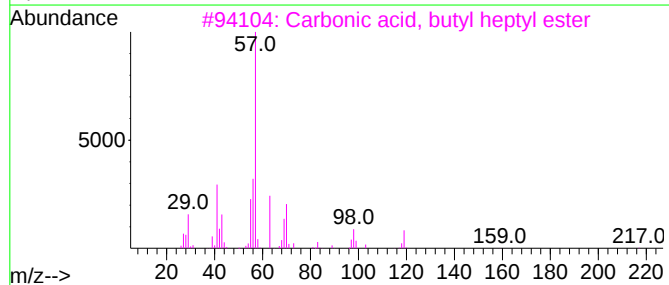
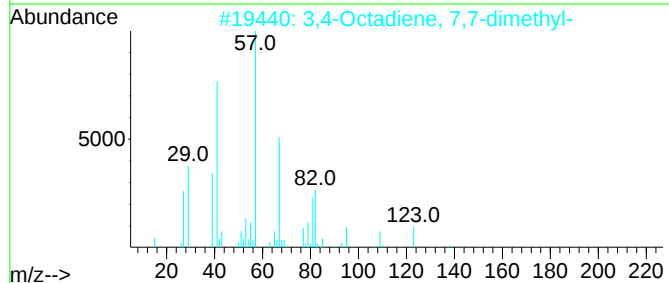
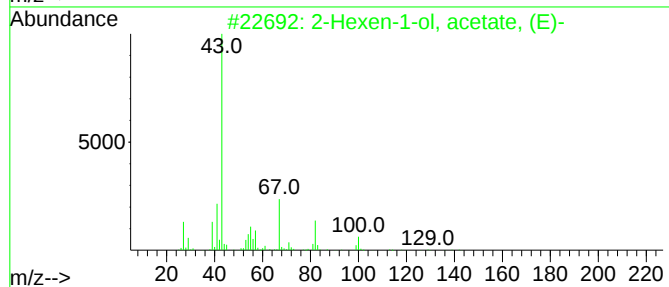
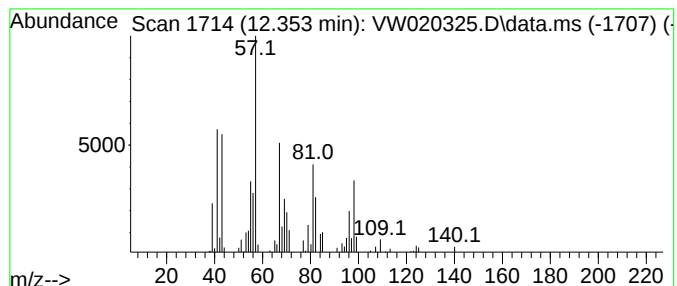
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Quant Title : SFAM01.0

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

Peak Number 6 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.353	4.29 ug/L	71476	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexen-1-ol, acetate, (E)-	142	C8H14O2	002497-18-9	27	
2	3,4-Octadiene, 7,7-dimethyl-	138	C10H18	061129-34-8	27	
3	Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	22	
4	2-Propyl-1-pentanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-3	22	
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	22	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

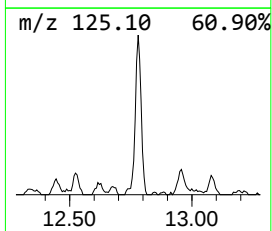
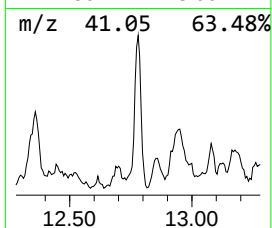
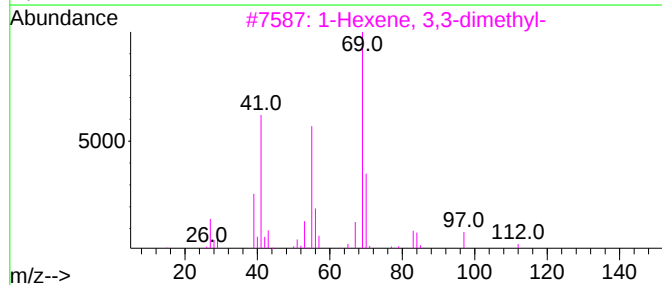
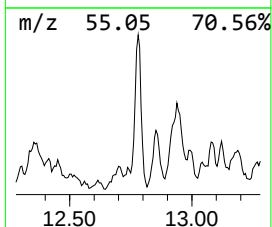
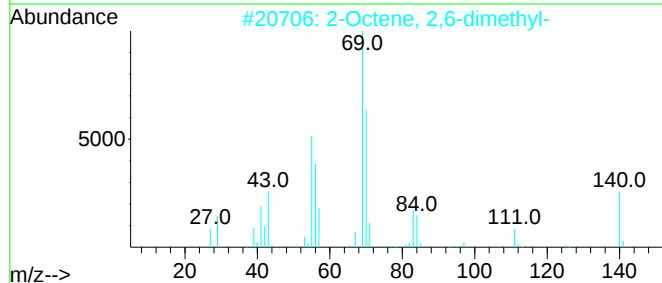
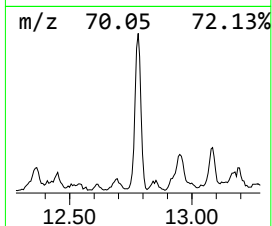
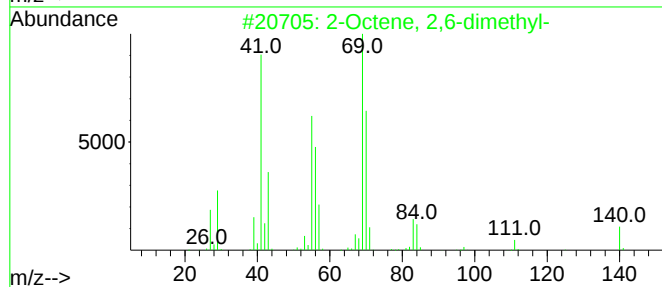
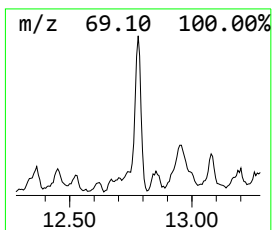
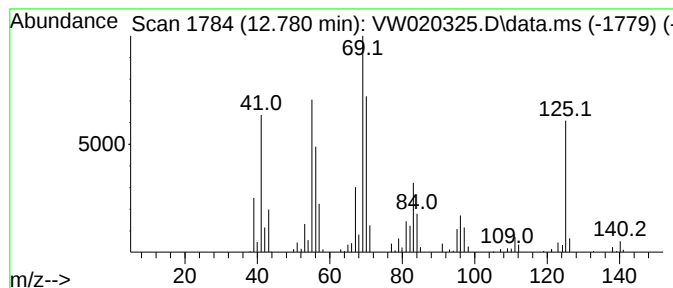
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	15.31 ug/L	111338	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
4		2-Methyl-2-octene	126	C9H18	016993-86-5	43
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

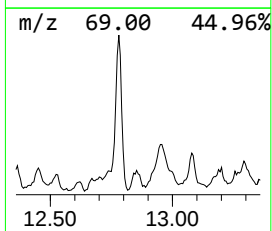
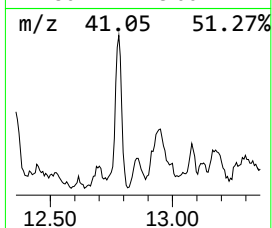
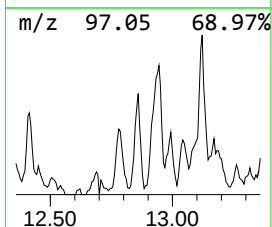
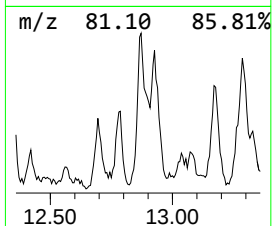
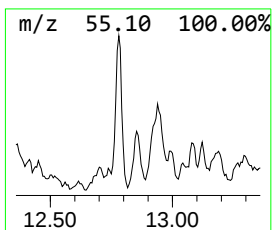
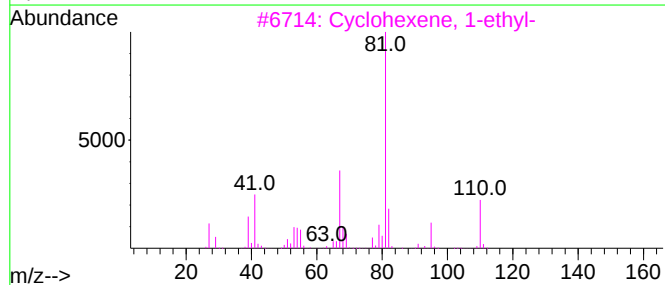
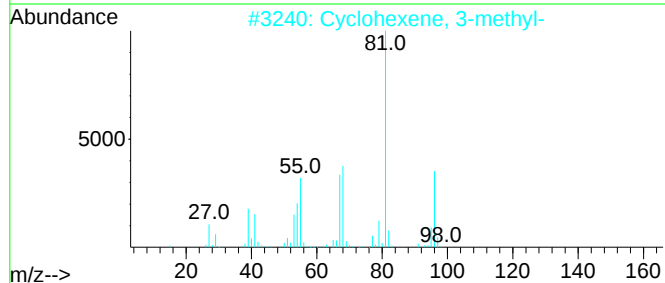
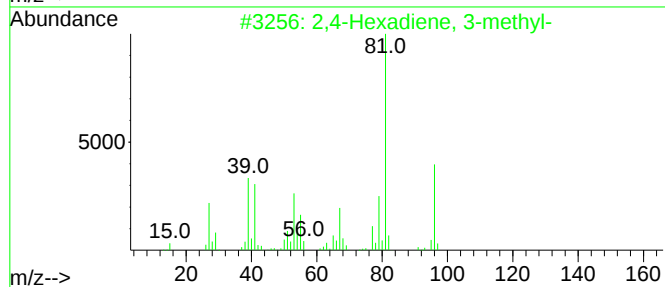
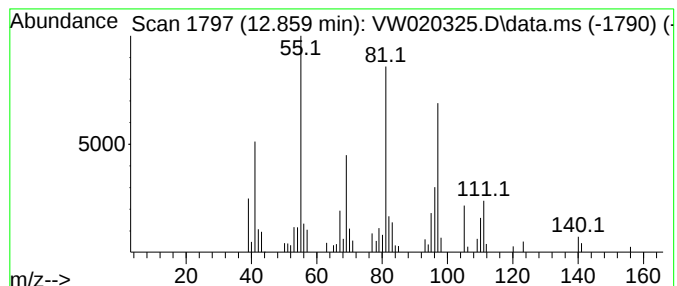
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Quant Title : SFAM01.0

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

Peak Number 9 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	5.11 ug/L	37132	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	43
2		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
4		Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38
5		4-Ethylcyclohexene	110	C8H14	003742-42-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

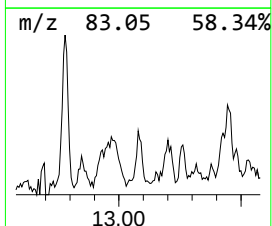
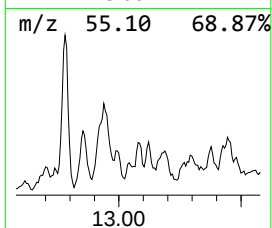
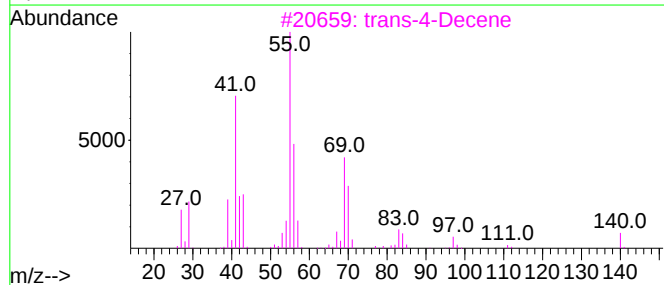
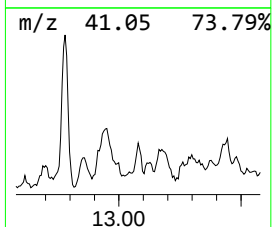
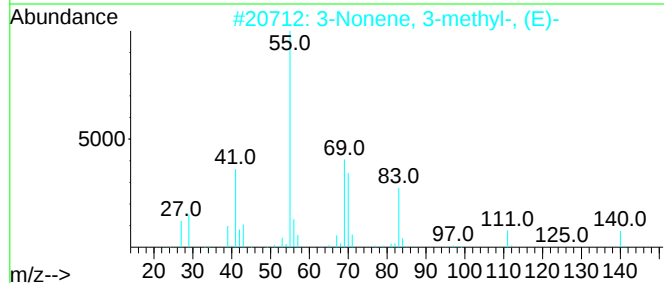
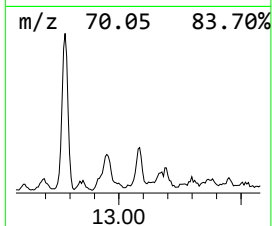
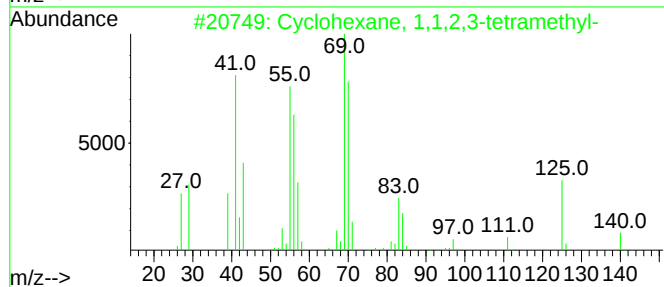
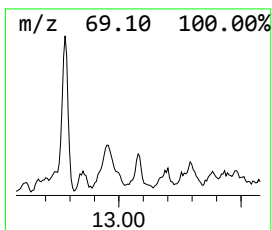
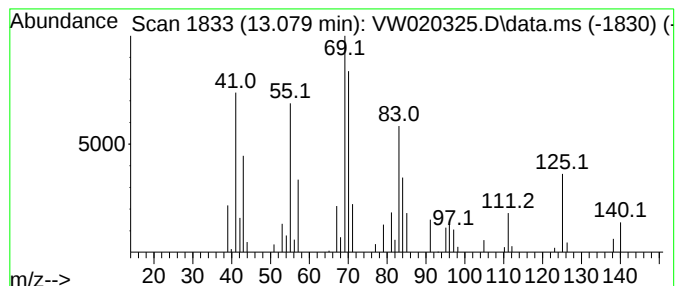
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic13.079 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	2.08 ug/L	15140	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	74
2			3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	64
3			trans-4-Decene	140	C10H20	019398-89-1	53
4			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
5			2,6-Dodecadien-1-ol	180	C12H20O	021662-13-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

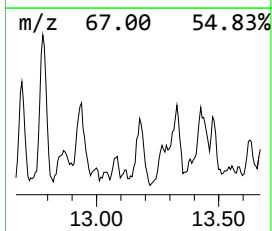
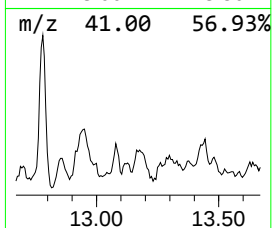
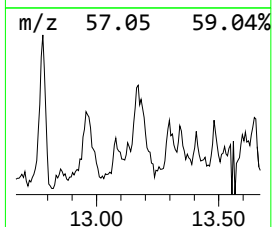
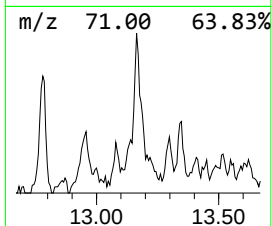
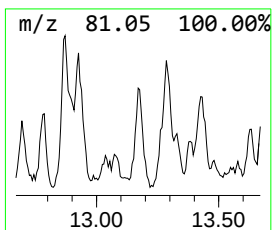
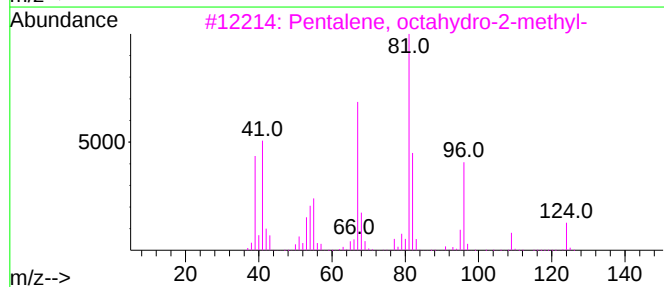
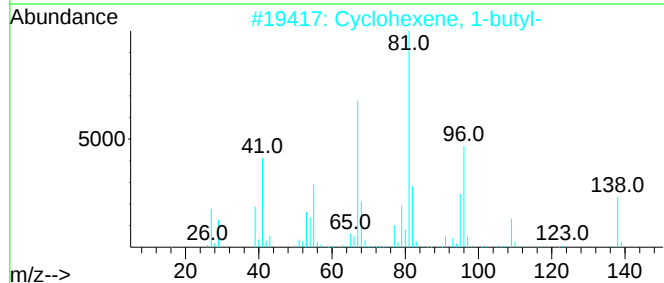
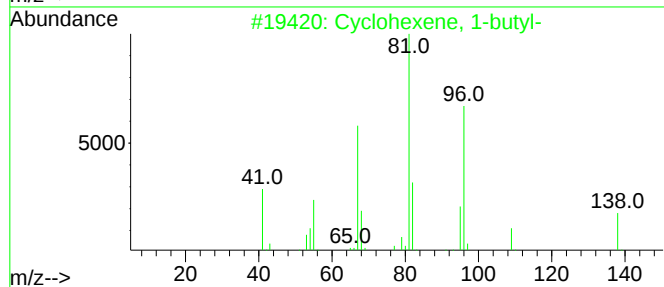
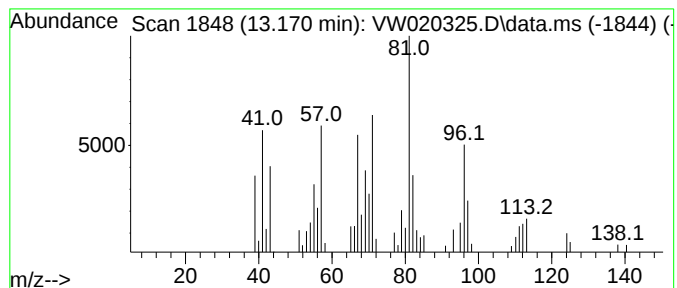
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Quant Title : SFAM01.0

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

Peak Number 11 Cyclohexene, 1-butyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	2.39 ug/L	17399	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	60
2			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	60
3			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
4			Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	46
5			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

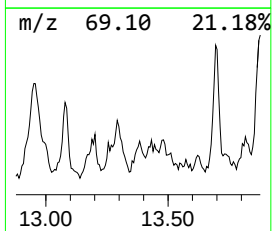
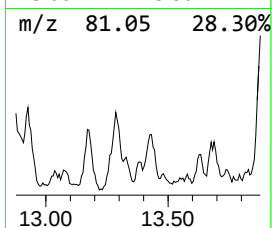
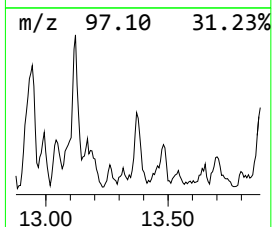
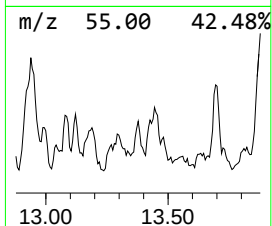
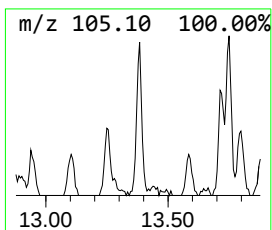
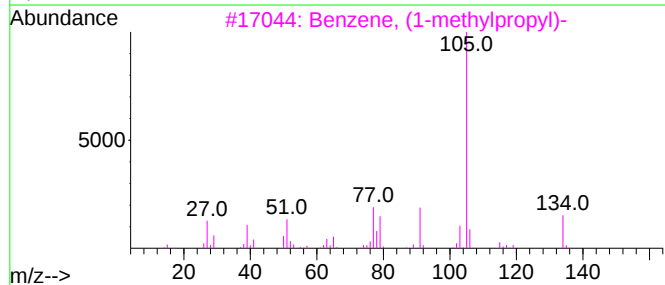
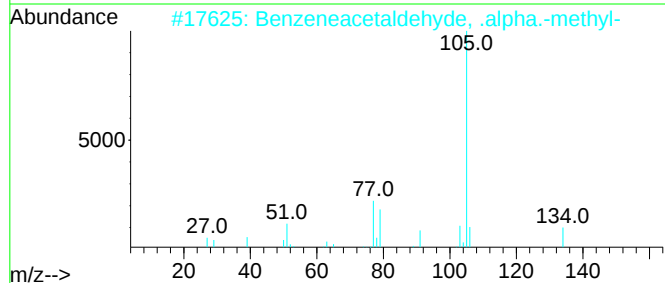
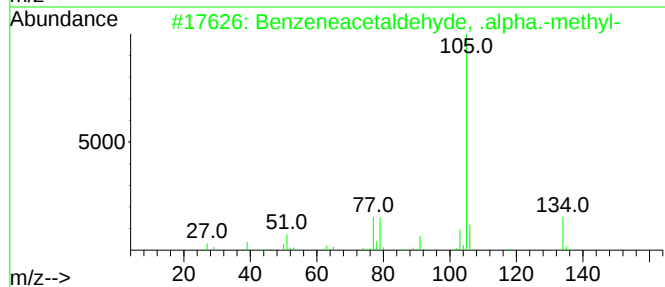
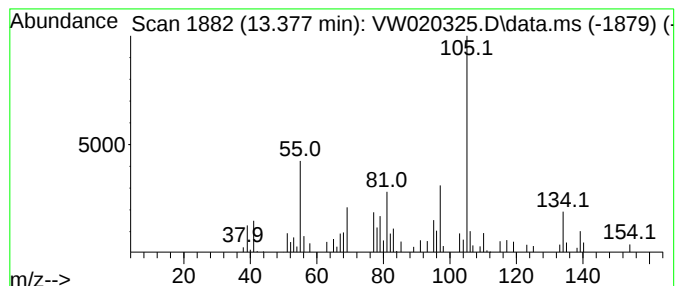
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Quant Title : SFAM01.0

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

Peak Number 12 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	1.97 ug/L	14360	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	38
2			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	38
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	35
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	30
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

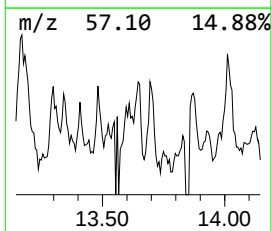
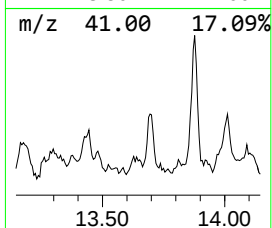
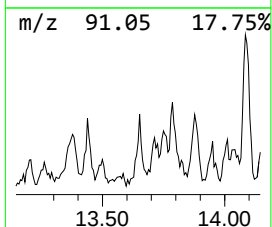
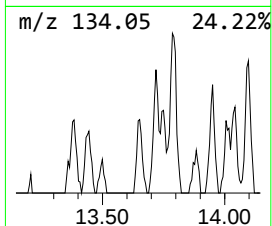
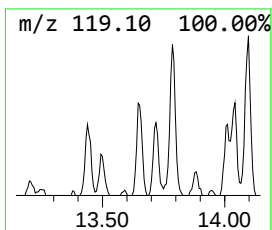
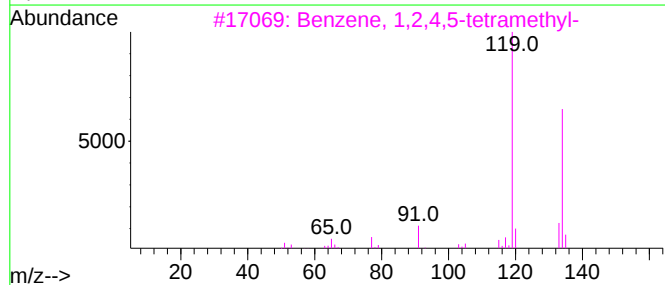
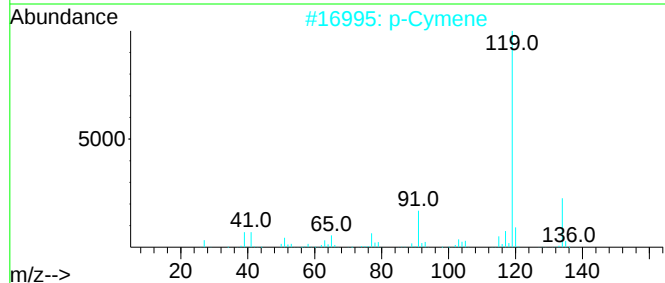
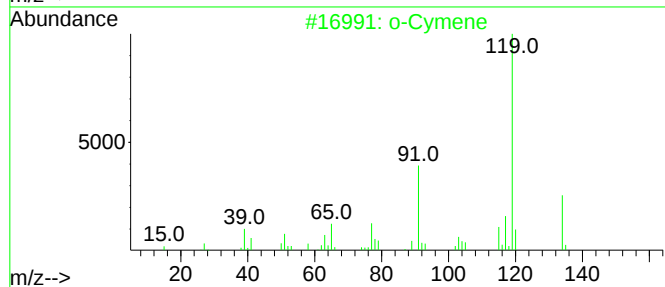
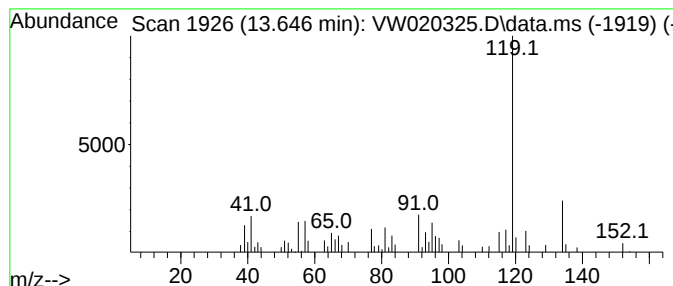
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Quant Title : SFAM01.0

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

Peak Number 13 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.646	2.82 ug/L	20525	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	76
2			p-Cymene	134	C10H14	000099-87-6	76
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

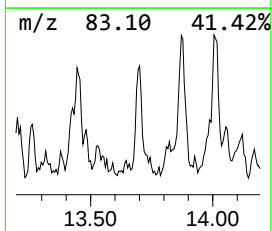
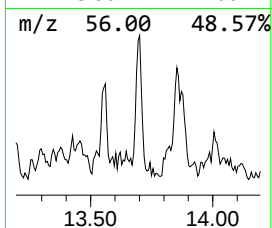
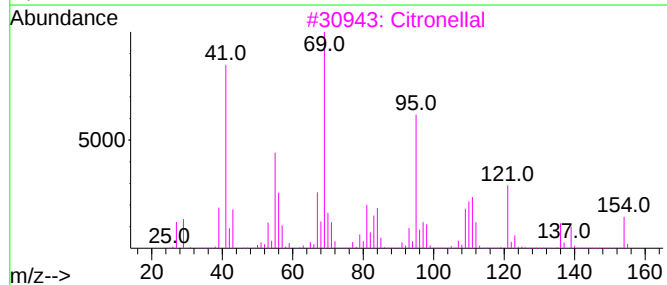
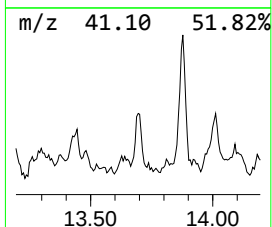
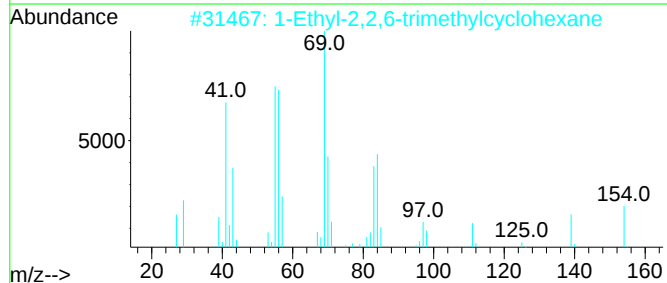
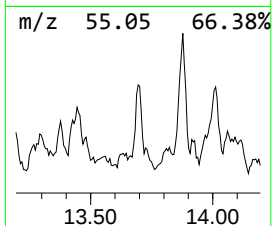
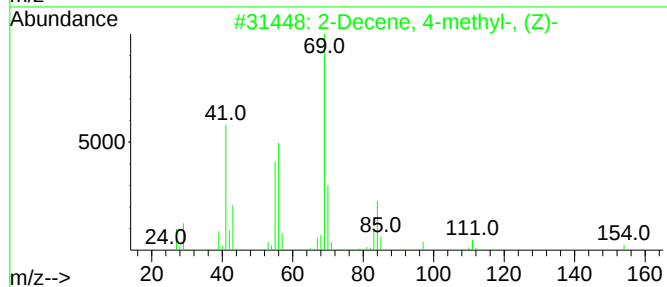
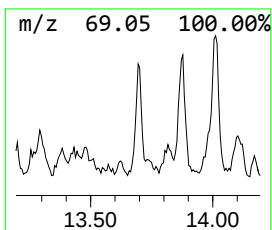
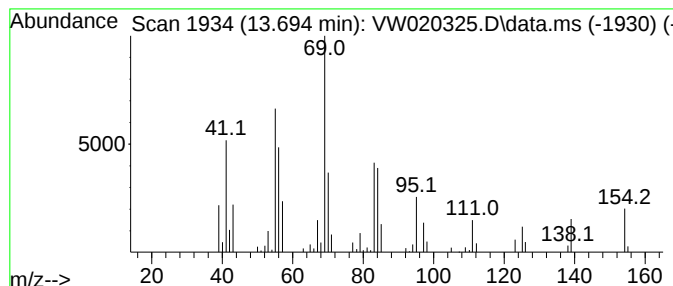
Instrument :
MSVOA_W
ClientSampleId :
EW922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.695	4.72 ug/L	34340	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	76
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	76
3	Citronellal	154	C10H18O	000106-23-0	58
4	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	53
5	Cyclopentane, hexyl-	154	C11H22	004457-00-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

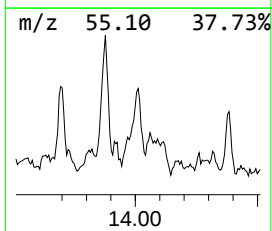
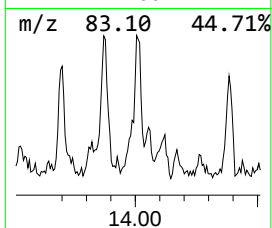
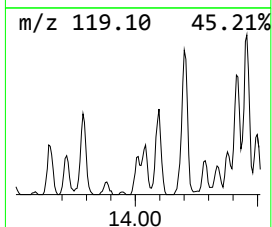
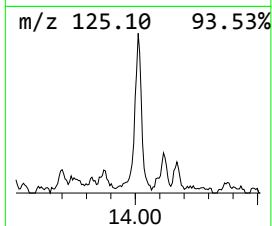
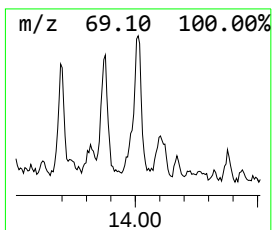
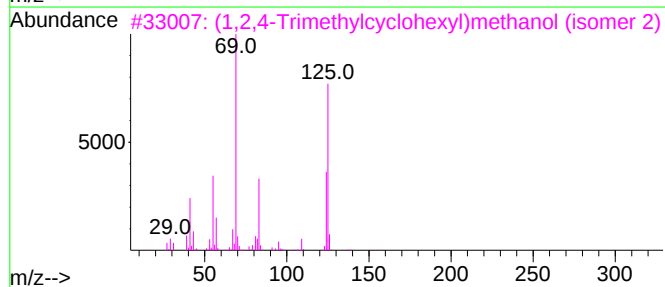
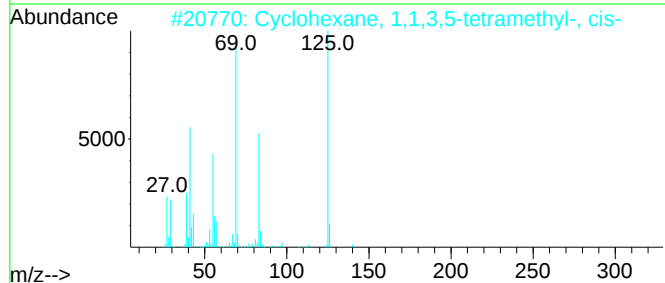
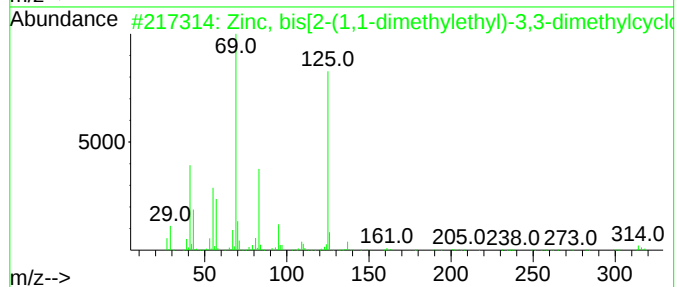
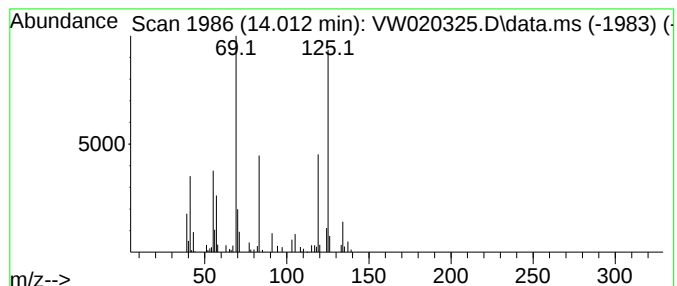
Instrument :
MSVOA_W
ClientSampleId :
EW922

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Quant Title : SFAM01.0

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

Peak Number 15 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.012	3.45 ug/L	25113	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Zinc, bis[2-(1,1-dimethylethyl)-...		314	C18H34Zn	074793-36-5	59
2	Cyclohexane, 1,1,3,5-tetramethyl...		140	C10H20	050876-32-9	53
3	(1,2,4-Trimethylcyclohexyl)metha...		156	C10H20O	1000499-03-9	42
4	Cyclohexane, 1,1,3,5-tetramethyl...		140	C10H20	050876-32-9	42
5	Succinic acid, 2-methylpent-3-yl...		326	C19H34O4	1000391-09-3	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

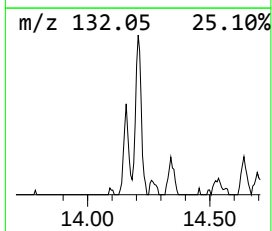
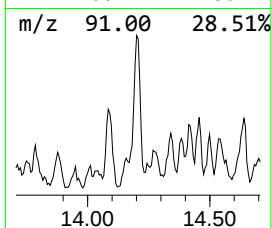
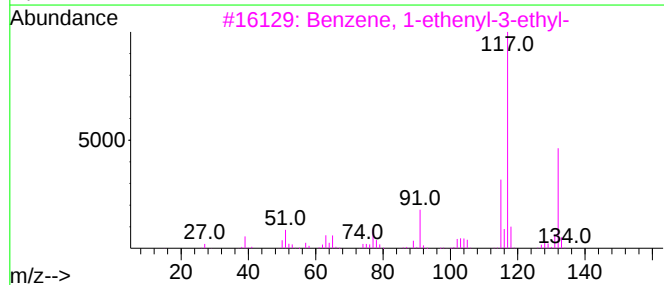
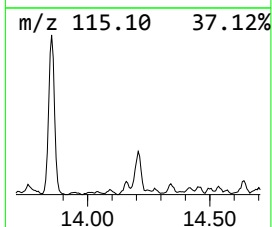
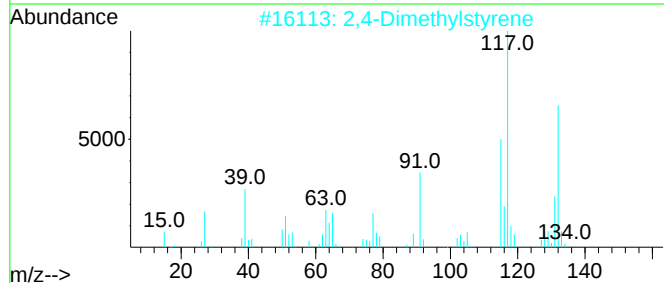
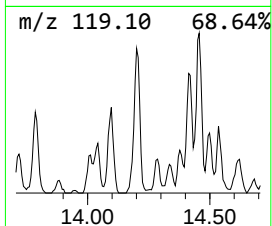
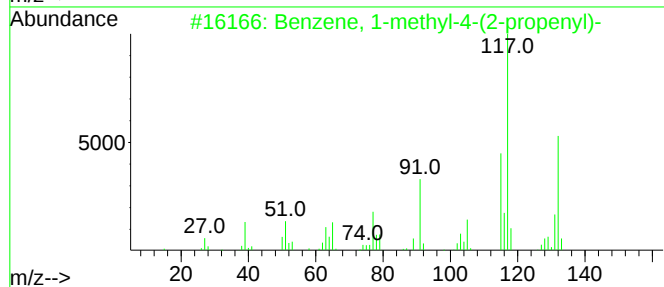
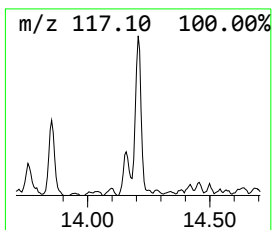
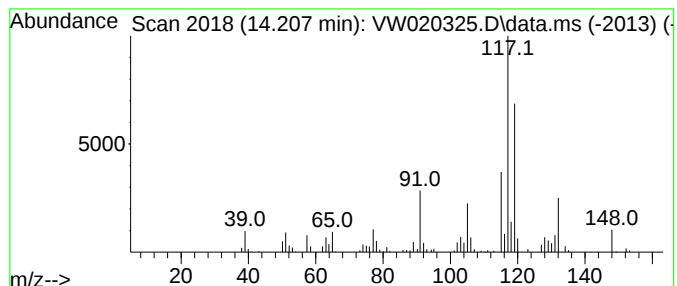
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Quant Title : SFAM01.0

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

Peak Number 16 Benzene, 1-methyl-4-(2-prop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	8.85 ug/L	64331	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
2			2,4-Dimethylstyrene	132	C10H12	002234-20-0	64
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4			Benzene, 2-butenyl-	132	C10H12	001560-06-1	60
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

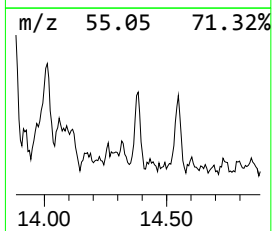
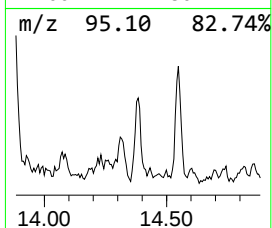
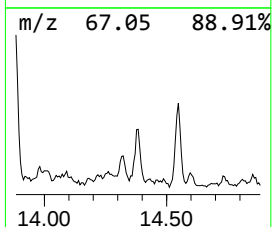
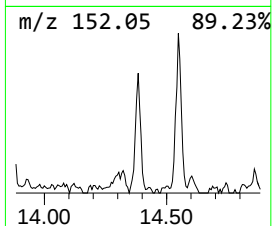
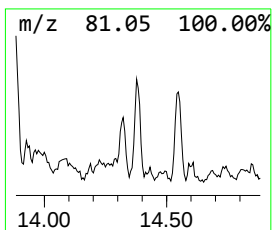
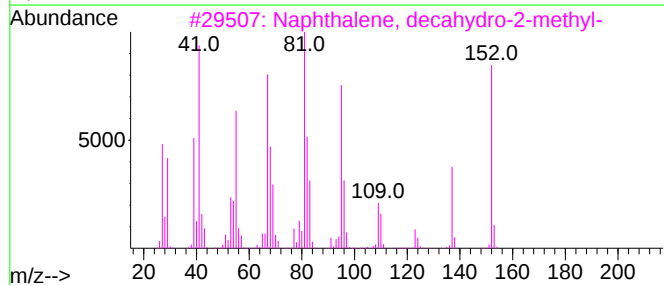
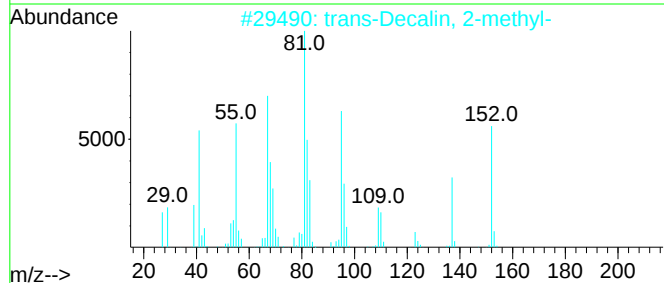
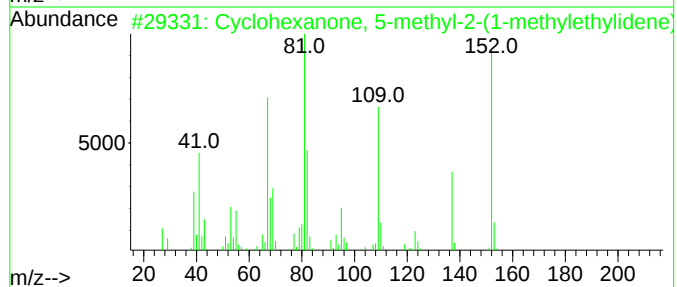
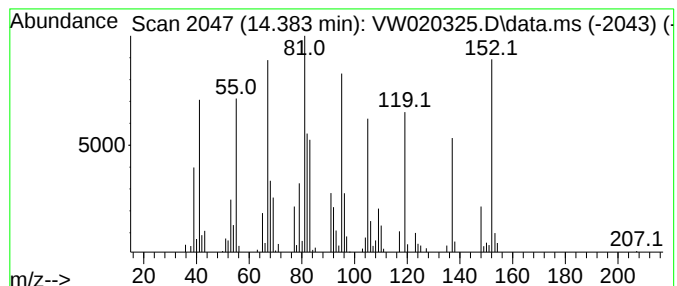
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Quant Title : SFAM01.0

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

Peak Number 17 Cyclohexanone, 5-methyl-2-(... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	4.42 ug/L	32151	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	78
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	78
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
5			(+)-2-Bornanone	152	C10H16O	000464-49-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

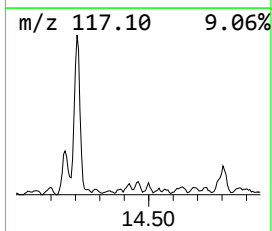
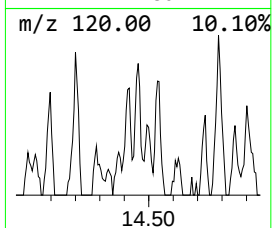
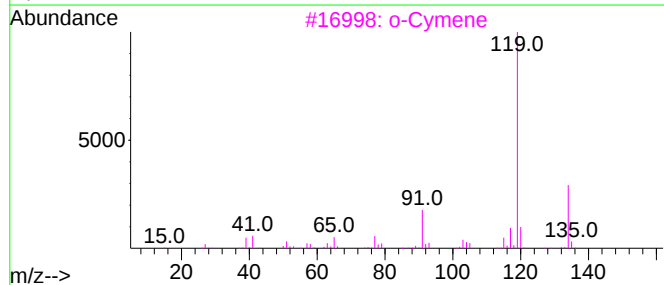
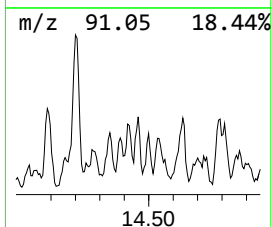
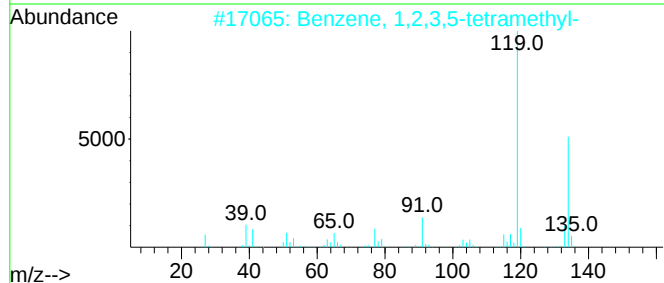
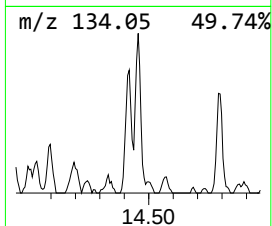
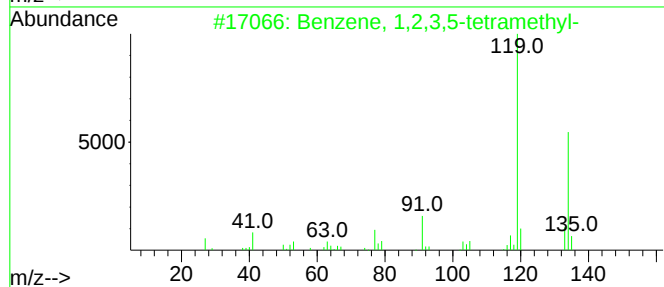
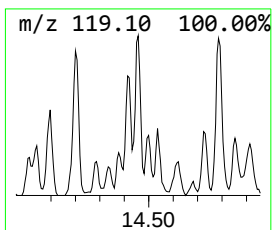
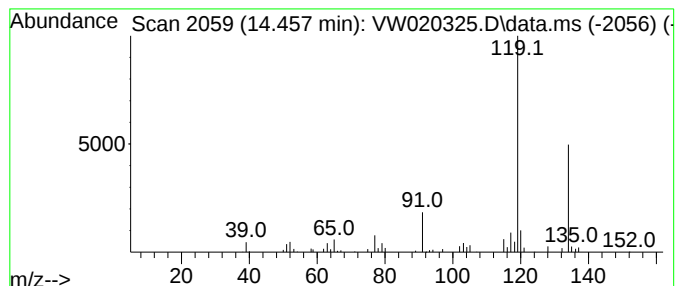
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Quant Title : SFAM01.0

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

Peak Number 18 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	2.72 ug/L	19806	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3			o-Cymene	134	C10H14	000527-84-4	91
4			p-Cymene	134	C10H14	000099-87-6	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

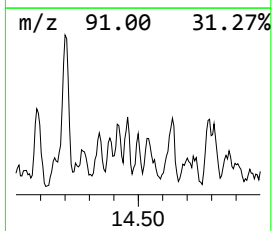
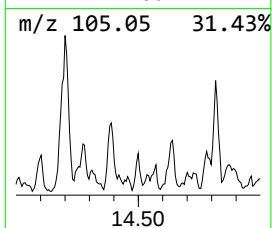
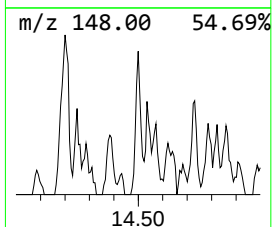
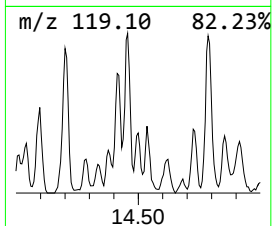
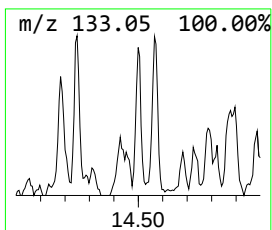
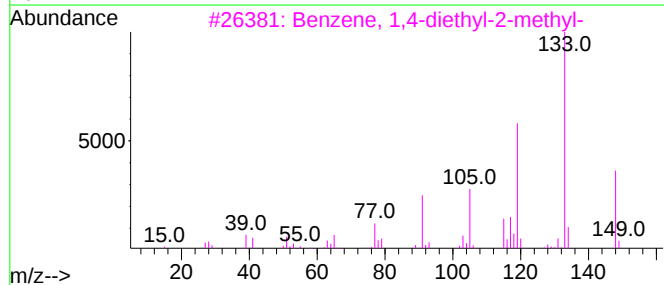
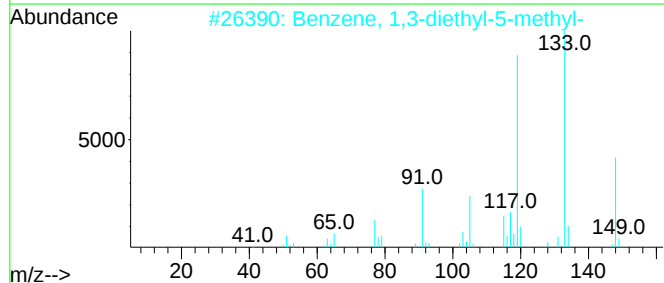
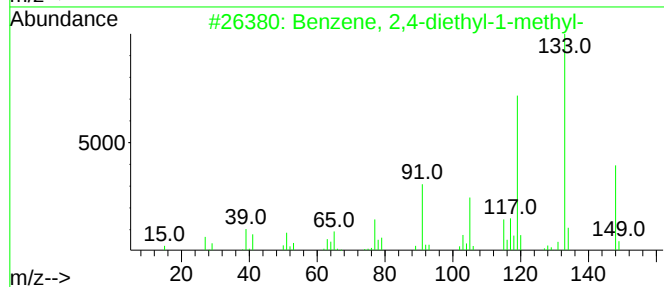
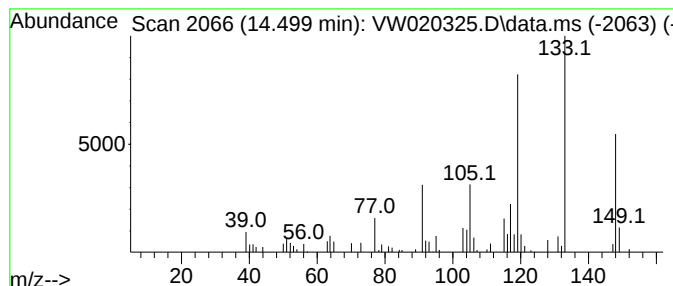
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Quant Title : SFAM01.0

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

Peak Number 19 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	1.72 ug/L	12509	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	97
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	90
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
4		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	83
5		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

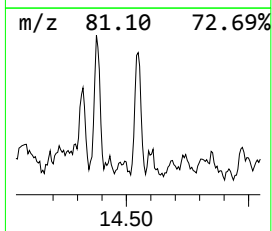
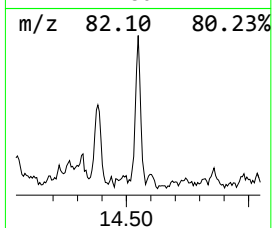
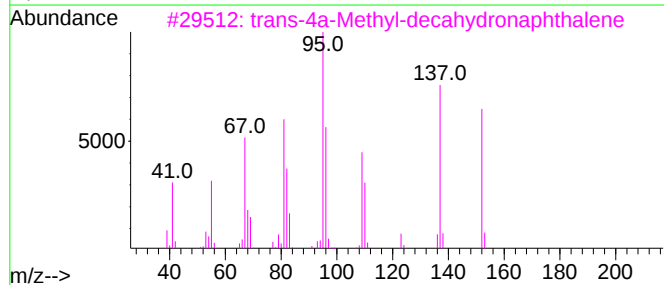
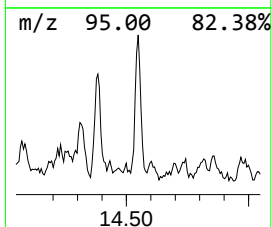
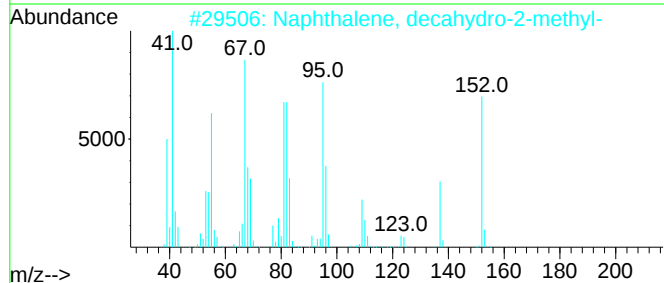
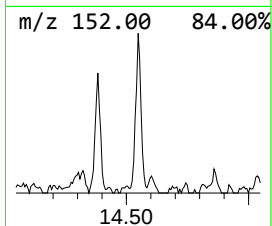
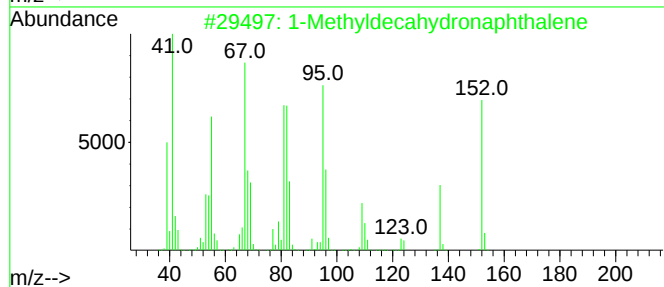
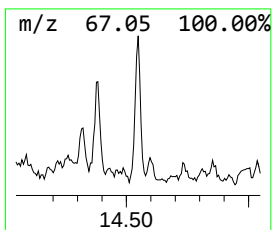
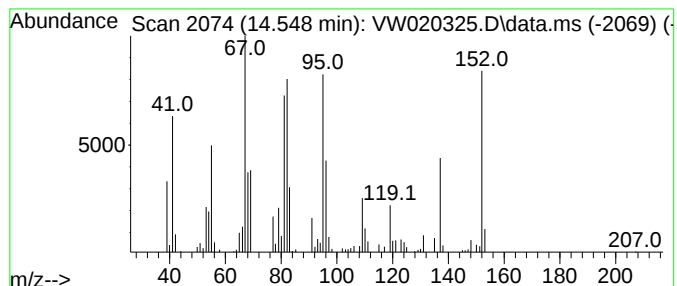
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Quant Title : SFAM01.0

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

Peak Number 20 1-Methyldecahydronaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	8.26 ug/L	60036	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	95
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	87
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	87
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

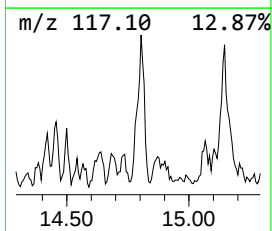
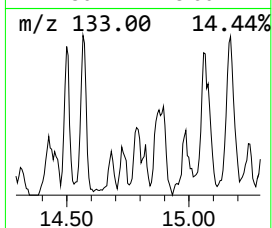
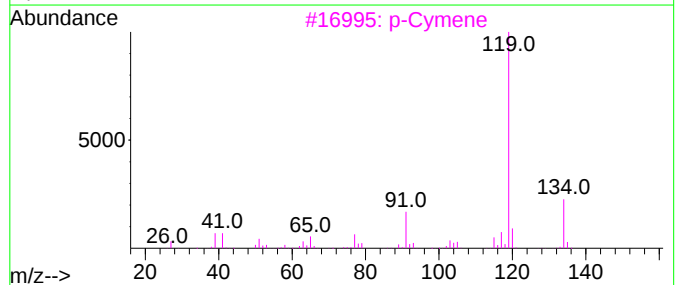
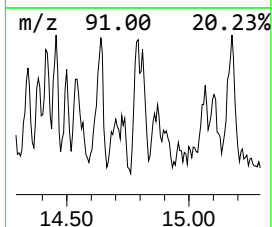
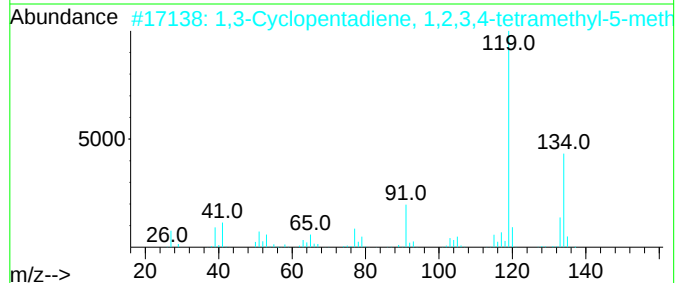
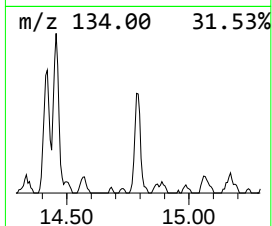
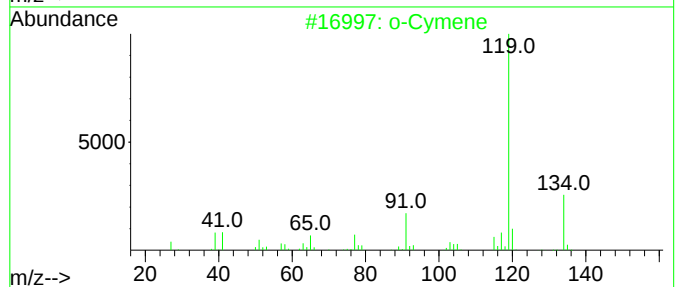
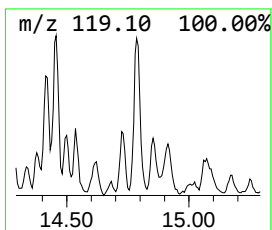
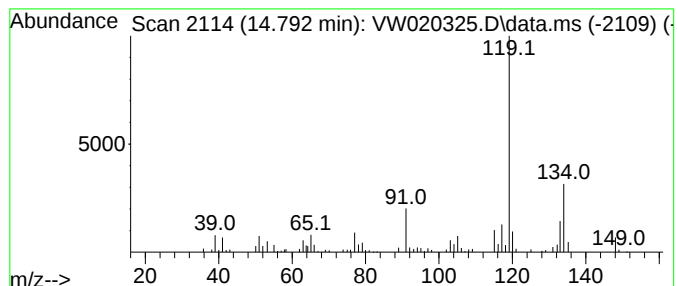
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Quant Title : SFAM01.0

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

Peak Number 21 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	6.44 ug/L	46850	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
3			p-Cymene	134	C10H14	000099-87-6	94
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

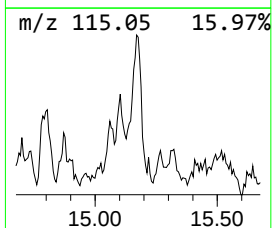
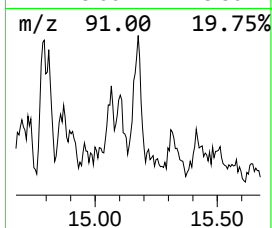
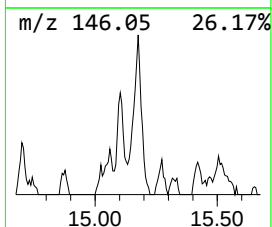
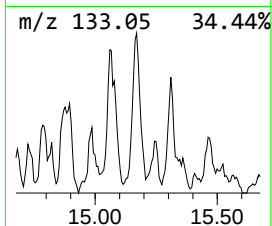
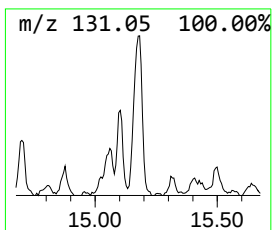
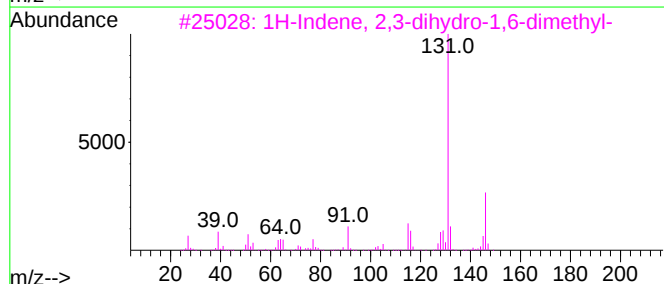
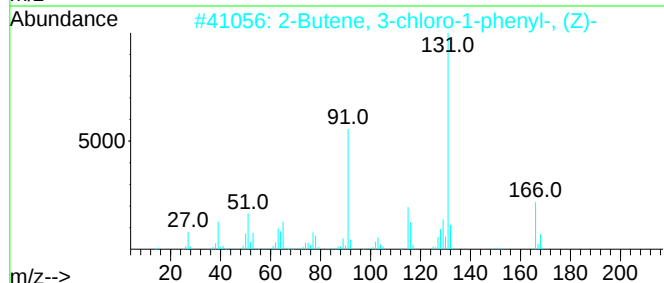
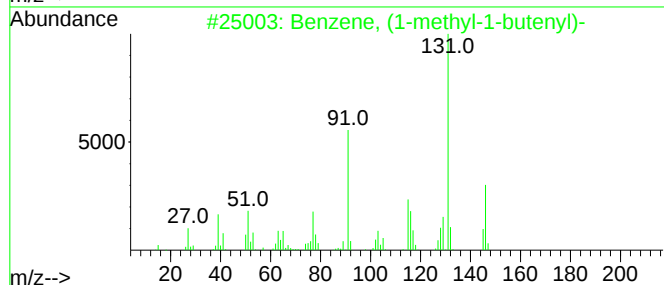
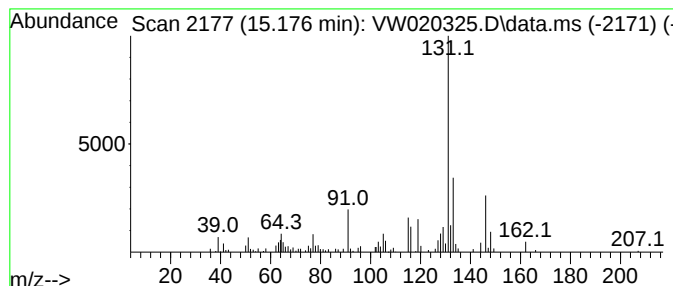
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Quant Title : SFAM01.0

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

Peak Number 22 Benzene, (1-methyl-1-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	5.43 ug/L	39489	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
2			2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	90
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

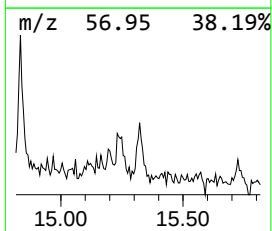
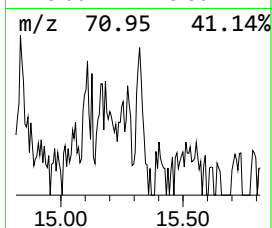
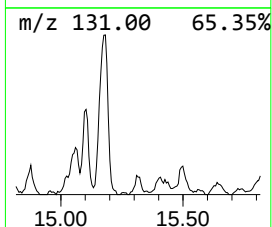
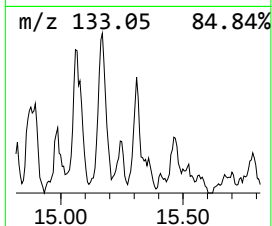
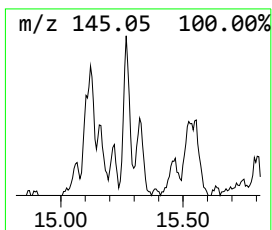
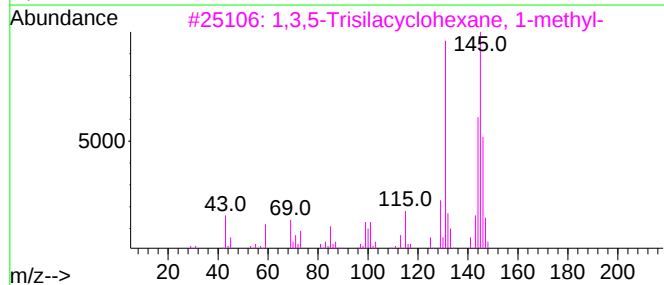
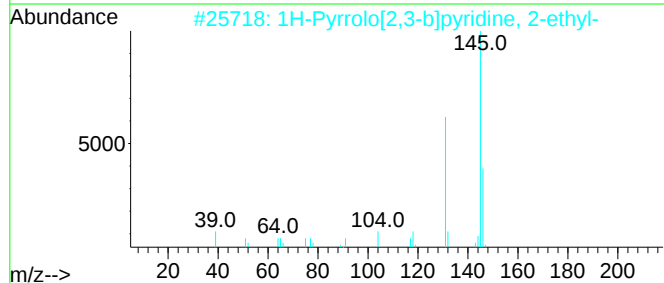
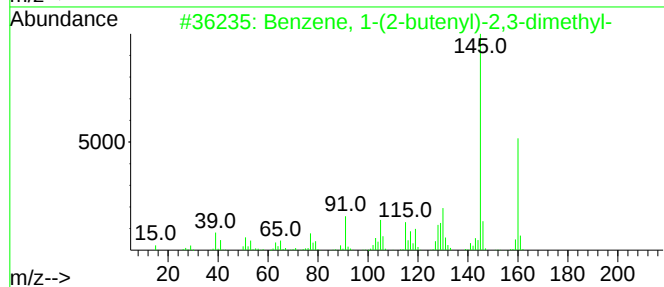
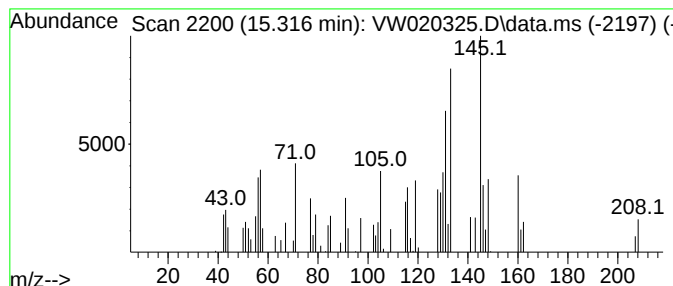
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Quant Title : SFAM01.0

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

Peak Number 23 unknown-04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	2.14 ug/L	15584	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46
2			1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	30
3			1,3,5-Trisilacyclohexane, 1-methyl-	146	C4H14Si3	018148-11-3	25
4			5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	18
5			Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020325.D
Acq On : 06 Oct 2021 20:11
Operator : SY/VA
Sample : M4001-09
Misc : 6.06g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW922

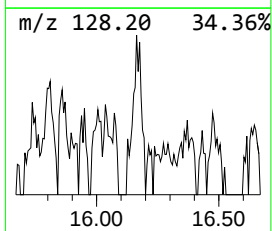
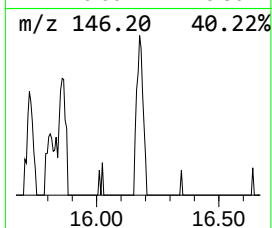
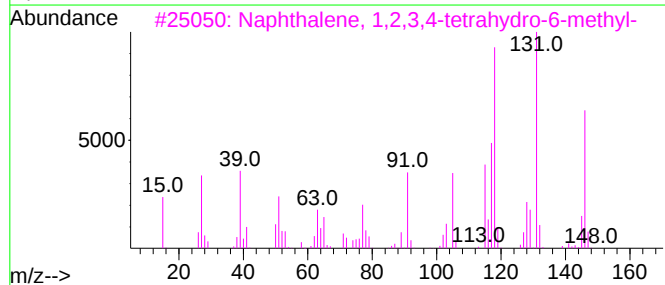
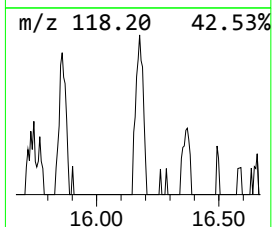
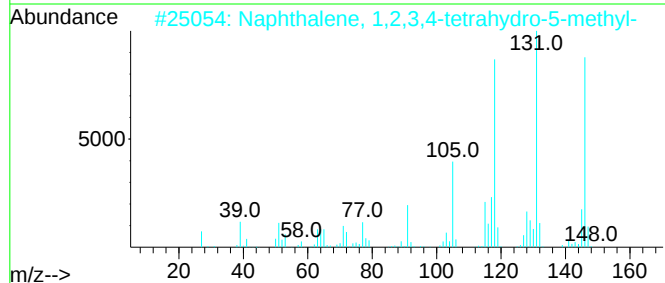
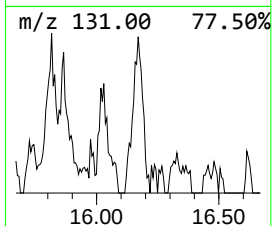
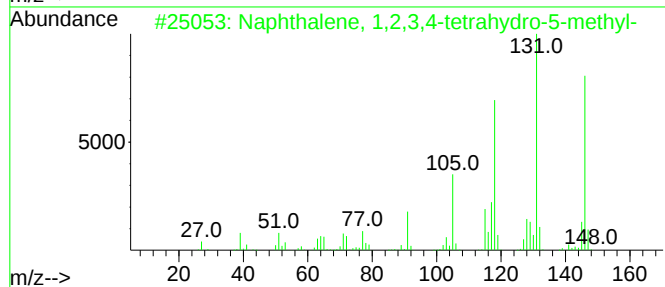
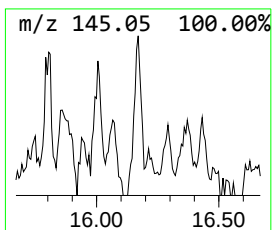
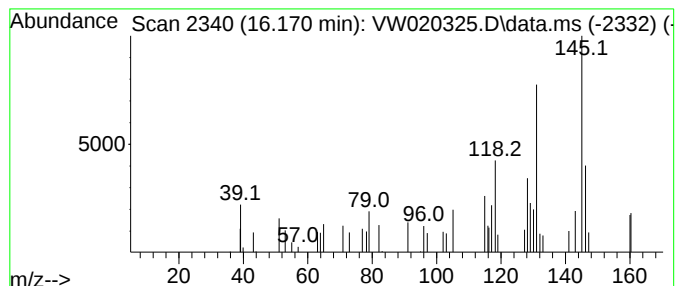
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 unknown-05 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.170	1.70 ug/L	12363	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	42
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	41
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020325.D
 Acq On : 06 Oct 2021 20:11
 Operator : SY/VA
 Sample : M4001-09
 Misc : 6.06g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.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: C...	10.506	1.3	ug/L	21139	2	11.634	416083	25.0
(DEL) Alkane: C...	10.665	1.5	ug/L	24232	2	11.634	416083	25.0
(DEL) Alkane: C...	11.232	1.4	ug/L	23898	2	11.634	416083	25.0
(DEL) Alkane: S...	12.140	2.9	ug/L	48801	2	11.634	416083	25.0
unknown-01	12.353	4.3	ug/L	71476	2	11.634	416083	25.0
(DEL) Alkane: S...	12.780	15.3	ug/L	111338	3	13.560	181808	25.0
unknown-02	12.859	5.1	ug/L	37132	3	13.560	181808	25.0
(DEL) Alkane: C...	13.079	2.1	ug/L	15140	3	13.560	181808	25.0
Cyclohexene, 1-...	13.170	2.4	ug/L	17399	3	13.560	181808	25.0
unknown-03	13.378	2.0	ug/L	14360	3	13.560	181808	25.0
o-Cymene	13.646	2.8	ug/L	20525	3	13.560	181808	25.0
(DEL) Alkane: S...	13.695	4.7	ug/L	34340	3	13.560	181808	25.0
Zinc, bis[2-(1,...	14.012	3.5	ug/L	25113	3	13.560	181808	25.0
Benzene, 1-meth...	14.207	8.8	ug/L	64331	3	13.560	181808	25.0
Cyclohexanone, ...	14.383	4.4	ug/L	32151	3	13.560	181808	25.0
Benzene, 1,2,3,...	14.457	2.7	ug/L	19806	3	13.560	181808	25.0
Benzene, 2,4-di...	14.499	1.7	ug/L	12509	3	13.560	181808	25.0
1-Methyldecahyd...	14.548	8.3	ug/L	60036	3	13.560	181808	25.0
1,3-Cyclopentad...	14.792	6.4	ug/L	46850	3	13.560	181808	25.0
Benzene, (1-met...	15.176	5.4	ug/L	39489	3	13.560	181808	25.0
unknown-04	15.316	2.1	ug/L	15584	3	13.560	181808	25.0
unknown-05	16.170	1.7	ug/L	12363	3	13.560	181808	25.0