

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026046.D
 Acq On : 25 May 2023 17:26
 Operator : SY/MD
 Sample : 02950-22
 Misc : 3.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW998

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\SFAMWLM050123SMA.M
 Title : SFAM01.0

Signal : TIC: VW026046.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	70	78	97	rVB	132902	336236	5.10%	0.459%
2	2.631	117	122	123	rBV5	7053	11274	0.17%	0.015%
3	2.899	158	166	178	rBV	127234	346581	5.26%	0.473%
4	3.387	240	246	255	rVB5	7193	18687	0.28%	0.025%
5	3.869	316	325	328	rBV10	5010	12226	0.19%	0.017%
6	4.021	338	350	362	rVV	283202	904395	13.72%	1.234%
7	4.112	362	365	374	rVV	35289	97433	1.48%	0.133%
8	4.393	403	411	420	rVV3	12159	38877	0.59%	0.053%
9	4.917	484	497	517	rBV	123532	478110	7.25%	0.652%
10	5.941	656	665	677	rVB3	41736	127193	1.93%	0.174%
11	6.984	829	836	843	rBV7	8675	23218	0.35%	0.032%
12	7.075	843	851	862	rVV	117966	343291	5.21%	0.468%
13	7.167	863	866	878	rVV2	14182	42328	0.64%	0.058%
14	7.648	934	945	960	rBV	513016	1270490	19.27%	1.733%
15	8.032	1001	1008	1021	rVB5	13635	39414	0.60%	0.054%
16	8.276	1037	1048	1066	rBV2	1035545	3098666	47.00%	4.227%
17	8.423	1068	1072	1075	rVV5	8599	19202	0.29%	0.026%
18	8.477	1078	1081	1091	rVV4	14924	42212	0.64%	0.058%
19	8.575	1091	1097	1104	rVB2	22590	50841	0.77%	0.069%
20	8.843	1131	1141	1156	rVV	1232894	2461772	37.34%	3.358%
21	9.075	1175	1179	1182	rVV6	5329	9098	0.14%	0.012%
22	9.270	1203	1211	1219	rBV	746426	1622663	24.61%	2.214%
23	9.380	1226	1229	1236	rVB3	25799	46695	0.71%	0.064%
24	9.520	1248	1252	1257	rBV8	5364	9548	0.14%	0.013%
25	9.605	1259	1266	1272	rVB	59267	120737	1.83%	0.165%
26	9.666	1272	1276	1281	rBV7	5937	13620	0.21%	0.019%
27	9.752	1284	1290	1298	rBV3	53824	115731	1.76%	0.158%
28	9.855	1302	1307	1308	rBV3	10753	17884	0.27%	0.024%
29	9.892	1309	1313	1317	rBV3	21485	36644	0.56%	0.050%
30	9.941	1318	1321	1326	rVB3	23376	41884	0.64%	0.057%
31	10.032	1330	1336	1341	rBV	278516	496810	7.54%	0.678%
32	10.203	1360	1364	1368	rBV5	26605	48868	0.74%	0.067%
33	10.319	1376	1383	1399	rBV	1381839	2621816	39.77%	3.577%
34	10.440	1400	1403	1406	rBV5	13487	21246	0.32%	0.029%
35	10.501	1407	1413	1420	rVB4	91424	209557	3.18%	0.286%
36	10.575	1420	1425	1430	rBV	180689	341278	5.18%	0.466%

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Integrator: RTE

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Title : SFAM01.0

37	10.617	1430	1432	1435	rVV3	39384	43714	0.66%	0.060%
38	10.666	1435	1440	1444	rVV	85027	127020	1.93%	0.173%
39	10.758	1450	1455	1460	rBV6	52237	102139	1.55%	0.139%
40	10.843	1466	1469	1474	rVB2	34452	53473	0.81%	0.073%
41	10.922	1475	1482	1491	rBV2	482983	948861	14.39%	1.294%
42	11.032	1494	1500	1508	rVB5	82749	210697	3.20%	0.287%
43	11.105	1509	1512	1514	rBV3	34667	44628	0.68%	0.061%
44	11.178	1520	1524	1527	rBV	53249	74572	1.13%	0.102%
45	11.227	1527	1532	1537	rBV	204293	360702	5.47%	0.492%
46	11.282	1538	1541	1544	rBV5	43338	69150	1.05%	0.094%
47	11.331	1545	1549	1553	rVV4	84139	147437	2.24%	0.201%
48	11.434	1562	1566	1574	rVB	179081	378360	5.74%	0.516%
49	11.507	1575	1578	1582	rVV3	45945	66650	1.01%	0.091%
50	11.629	1592	1598	1608	rBV	1401773	2399704	36.40%	3.274%
51	11.763	1617	1620	1623	rVB	62872	77857	1.18%	0.106%
52	11.812	1623	1628	1631	rBV4	68645	138627	2.10%	0.189%
53	11.873	1634	1638	1641	rBV	87314	134754	2.04%	0.184%
54	11.971	1650	1654	1663	rBV5	76182	181695	2.76%	0.248%
55	12.135	1674	1681	1692	rBV4	270522	816772	12.39%	1.114%
56	12.245	1692	1699	1704	rVB2	229854	473090	7.18%	0.645%
57	12.361	1704	1718	1724	rBV2	575722	1551767	23.54%	2.117%
58	12.458	1730	1734	1738	rBV4	114005	207944	3.15%	0.284%
59	12.690	1767	1772	1778	rBV	551847	917381	13.92%	1.251%
60	12.775	1782	1786	1793	rVB3	294569	544528	8.26%	0.743%
61	12.855	1793	1799	1802	rBV4	197027	426732	6.47%	0.582%
62	12.897	1802	1806	1809	rBV	295823	477600	7.24%	0.652%
63	13.099	1831	1839	1845	rBV	548605	1278871	19.40%	1.745%
64	13.160	1845	1849	1857	rVB	548277	880629	13.36%	1.201%
65	13.251	1859	1864	1867	rVV	357344	594156	9.01%	0.811%
66	13.288	1867	1870	1875	rVV3	215660	348687	5.29%	0.476%
67	13.342	1875	1879	1882	rVV	198734	275409	4.18%	0.376%
68	13.434	1887	1894	1899	rBV5	277282	647968	9.83%	0.884%
69	13.477	1899	1901	1909	rVB4	201399	308444	4.68%	0.421%
70	13.556	1909	1914	1925	rBV2	886045	1688711	25.62%	2.304%
71	13.641	1925	1928	1932	rVB	175488	226135	3.43%	0.308%
72	13.714	1933	1940	1943	rBV2	320153	762368	11.56%	1.040%
73	13.757	1943	1947	1950	rBV	503228	690790	10.48%	0.942%
74	13.855	1957	1963	1971	rBV2	689417	1934476	29.34%	2.639%
75	14.031	1985	1992	1997	rBV5	403979	1110809	16.85%	1.515%
76	14.092	1998	2002	2006	rVB	1036665	1453599	22.05%	1.983%

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 Title : SFAM01.0

77	14.202	2014	2020	2026	rBV	976013	2134498	32.38%	2.912%
78	14.342	2035	2043	2045	rBV6	229348	631874	9.58%	0.862%
79	14.379	2046	2049	2053	rVV3	509560	798364	12.11%	1.089%
80	14.415	2053	2055	2058	rVV3	222093	333559	5.06%	0.455%
81	14.452	2058	2061	2064	rVV	331672	444630	6.74%	0.607%
82	14.489	2065	2067	2071	rVV3	134058	171935	2.61%	0.235%
83	14.543	2072	2076	2082	rVB3	374432	732338	11.11%	0.999%
84	14.684	2095	2099	2103	rVB	688283	1024120	15.53%	1.397%
85	14.732	2103	2107	2111	rBV3	195362	278044	4.22%	0.379%
86	14.799	2111	2118	2121	rBV4	1406044	3168800	48.07%	4.323%
87	14.830	2121	2123	2127	rVB	491160	612917	9.30%	0.836%
88	14.946	2139	2142	2149	rVB3	634461	1186994	18.00%	1.619%
89	15.056	2154	2160	2165	rVB2	719564	1379943	20.93%	1.883%
90	15.165	2174	2178	2185	rBV5	269033	663698	10.07%	0.905%
91	15.318	2198	2203	2206	rBV	1059785	1724986	26.17%	2.353%
92	15.360	2206	2210	2219	rVB	939594	1778114	26.97%	2.426%
93	15.574	2239	2245	2249	rBV6	279527	670113	10.16%	0.914%
94	15.653	2250	2258	2262	rVV7	453269	1523123	23.10%	2.078%
95	15.720	2266	2269	2277	rVB4	761989	1454912	22.07%	1.985%
96	16.208	2345	2349	2355	rBV4	237926	533384	8.09%	0.728%
97	16.275	2355	2360	2368	rVB	994736	1863291	28.26%	2.542%
98	16.433	2379	2386	2395	rVB	1955668	4319064	65.51%	5.892%
99	16.531	2398	2402	2407	rVV2	281834	568264	8.62%	0.775%
100	16.634	2411	2419	2429	rVB	2649359	6592602	100.00%	8.994%

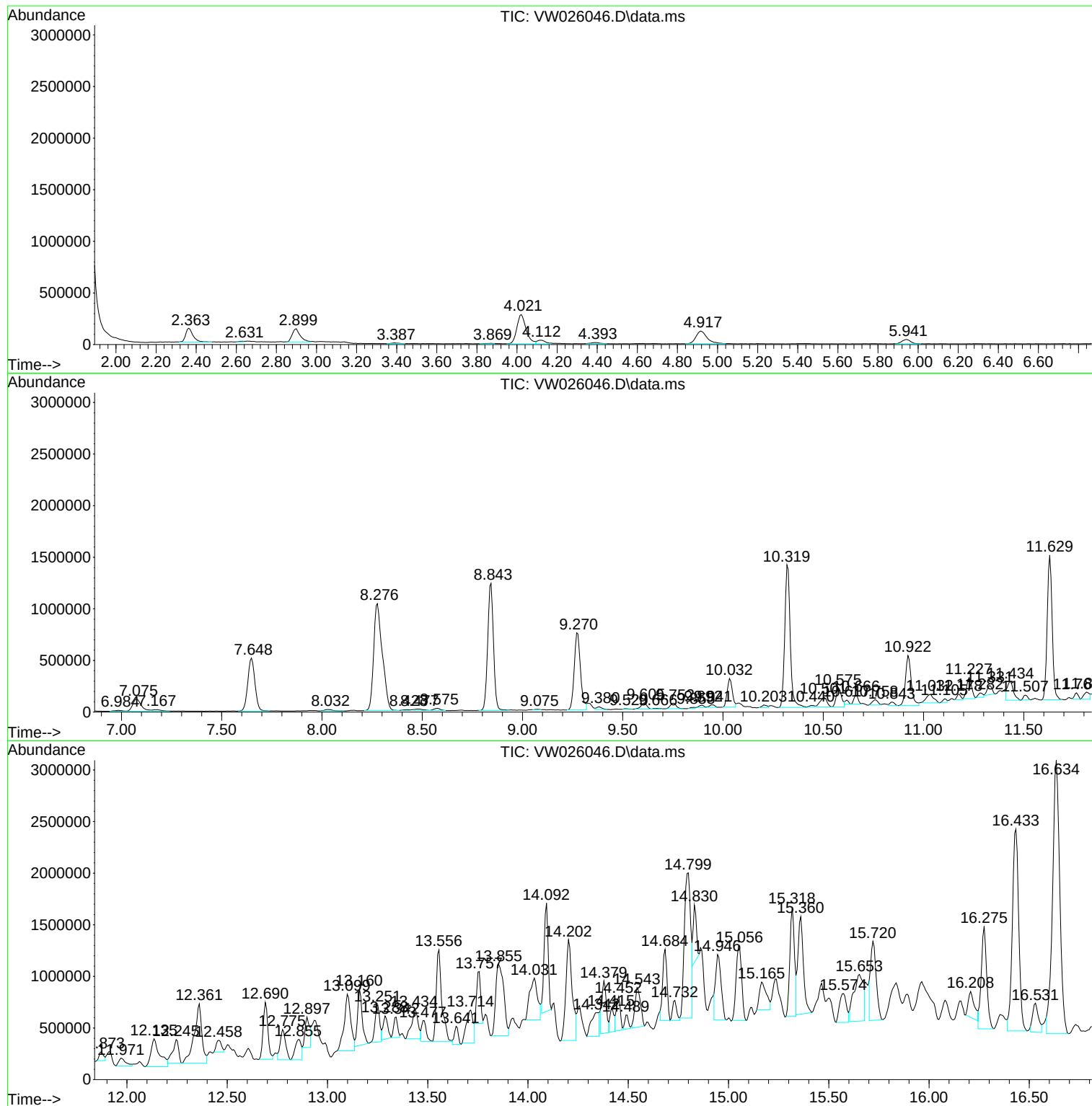
Sum of corrected areas: 73302998

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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



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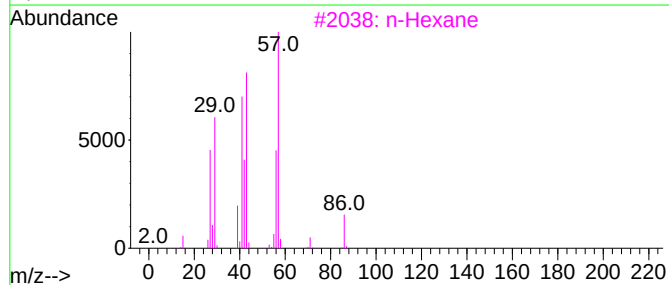
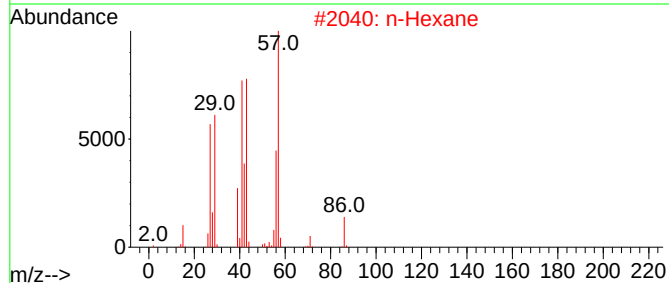
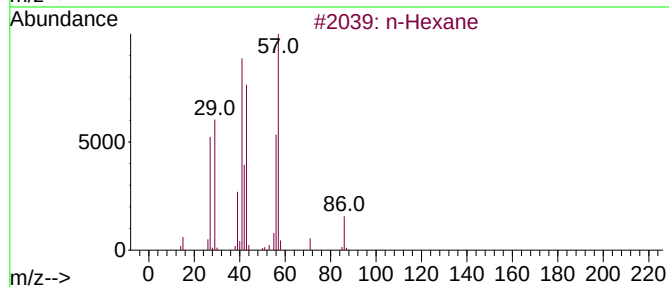
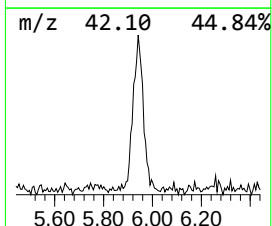
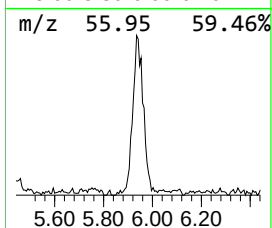
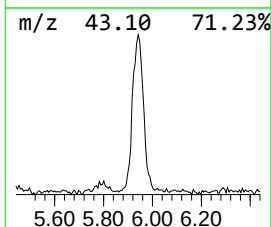
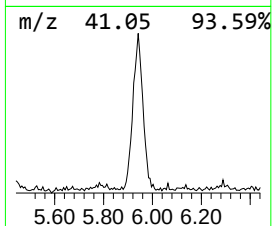
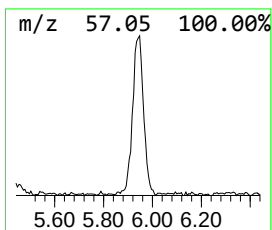
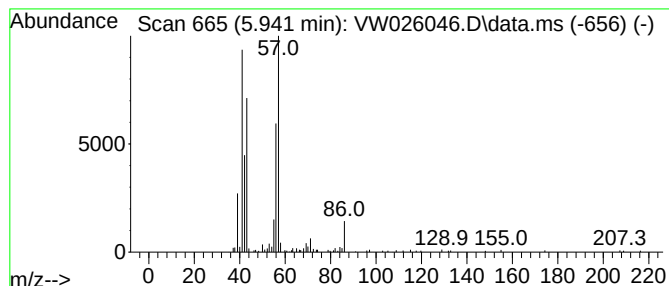
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.29 ug/L	127193	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane			86	C6H14	000110-54-3	90
2	n-Hexane			86	C6H14	000110-54-3	90
3	n-Hexane			86	C6H14	000110-54-3	80
4	2-Ethyl-oxetane			86	C5H10O	1010386-40-2	78
5	Hydroperoxide, hexyl			118	C6H14O2	004312-76-9	53



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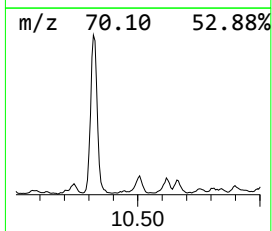
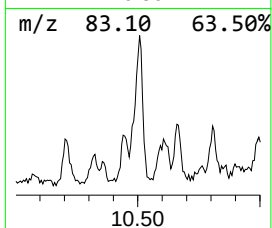
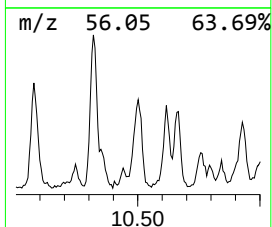
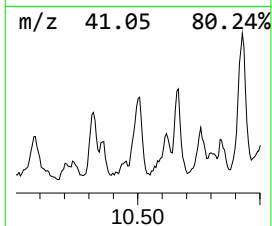
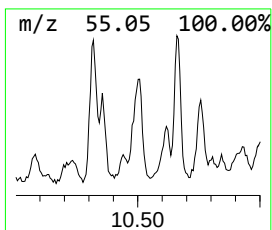
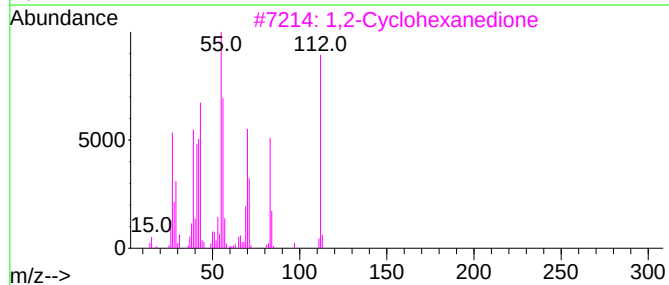
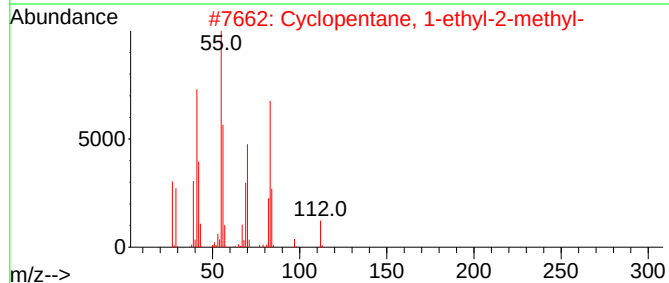
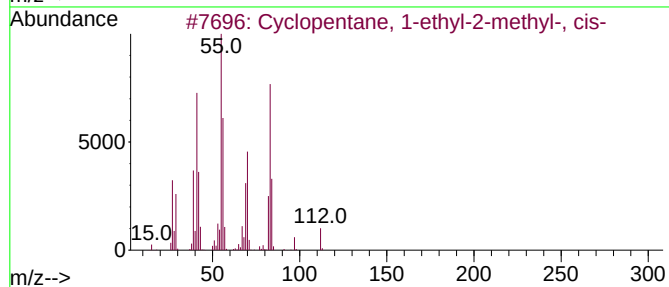
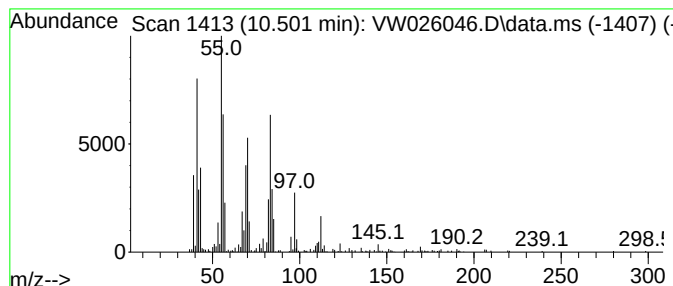
Instrument :
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic10.502 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.502	2.18 ug/L	209557	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...		112	C8H16	000930-89-2	93
2	Cyclopentane, 1-ethyl-2-methyl-		112	C8H16	003726-46-3	81
3	1,2-Cyclohexanedione		112	C6H8O2	000765-87-7	68
4	1,2-Cyclohexanedione		112	C6H8O2	000765-87-7	64
5	2-Heptenal, (Z)-		112	C7H12O	057266-86-1	64



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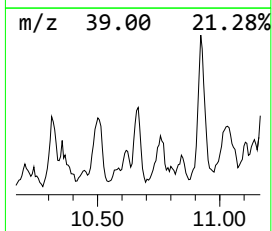
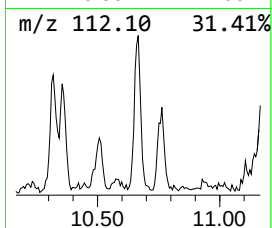
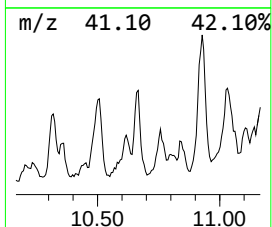
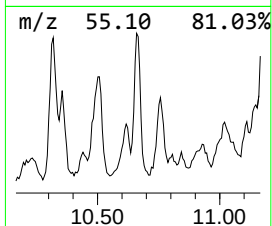
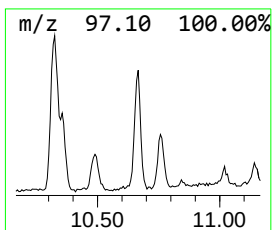
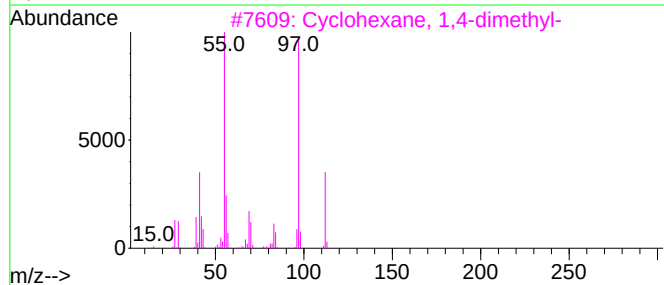
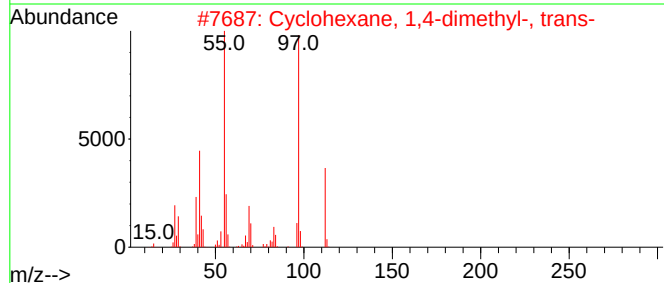
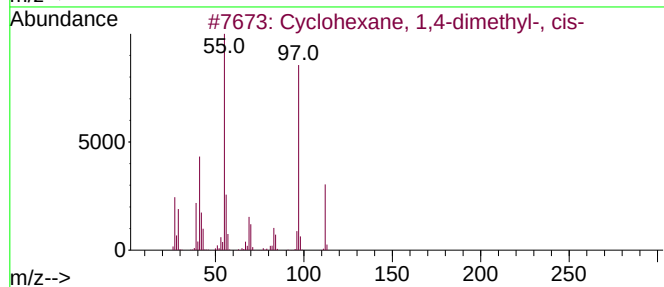
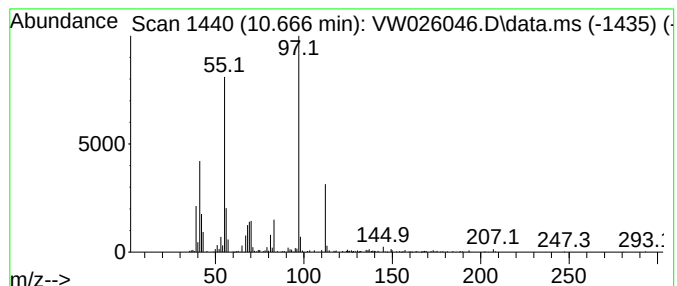
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic10.666 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.32 ug/L	127020	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

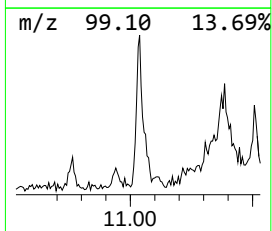
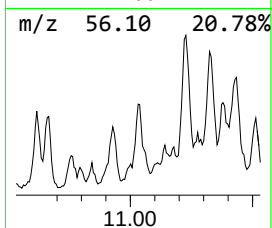
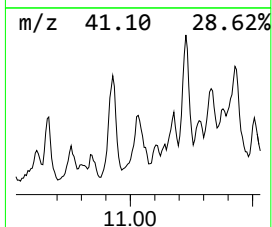
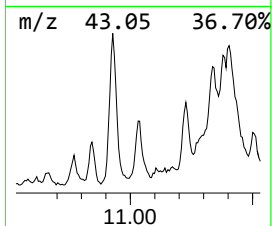
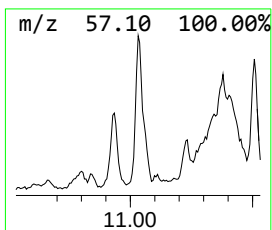
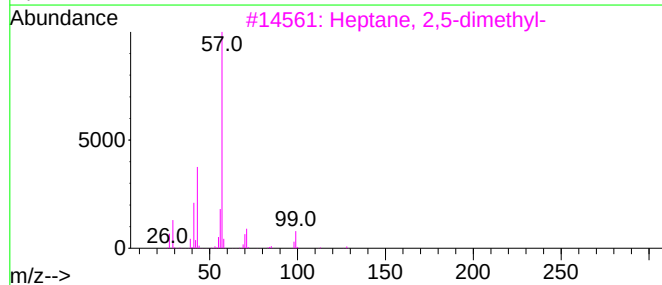
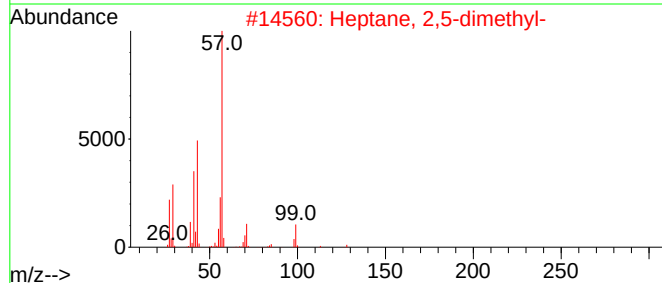
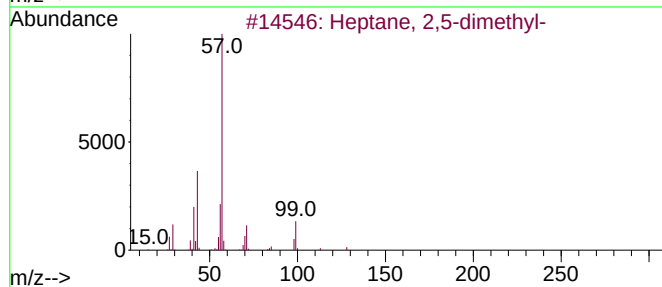
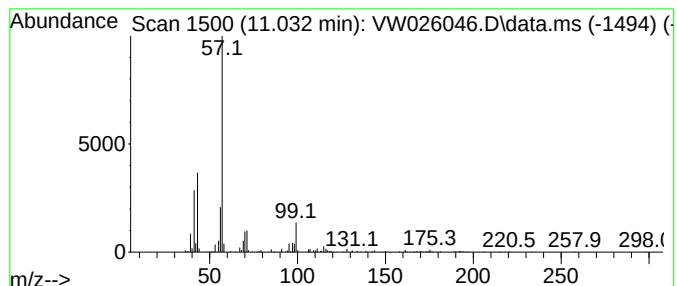
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ClientSampleId :
EW998

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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 42

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.032	2.20 ug/L	210697	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	81
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	74
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	72
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	62
5	Heptyl tetradecyl ether		312	C21H44O	1000406-39-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

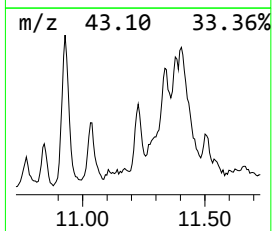
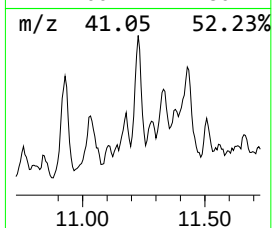
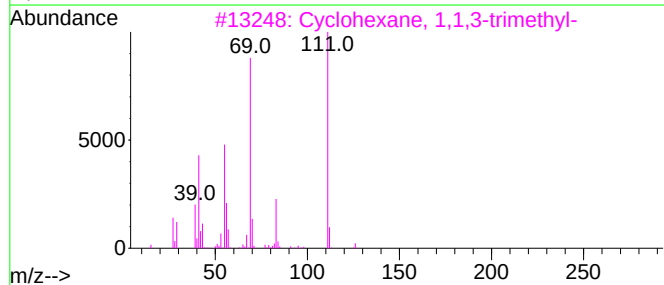
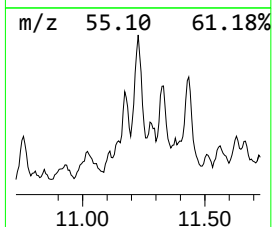
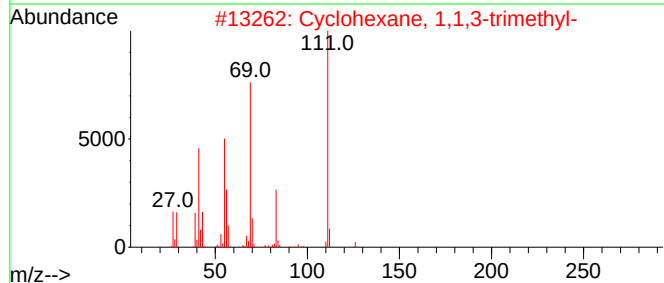
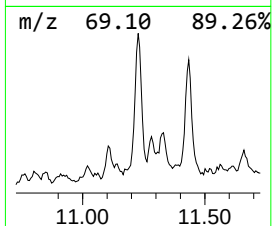
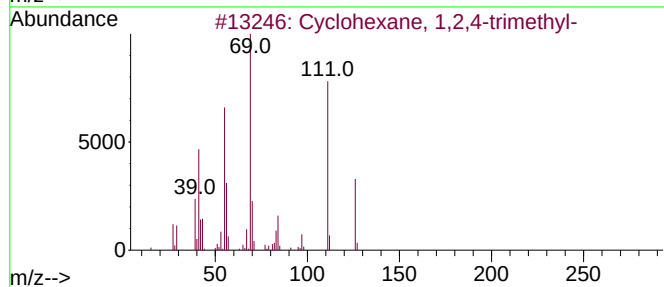
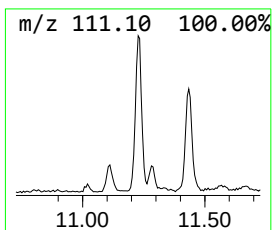
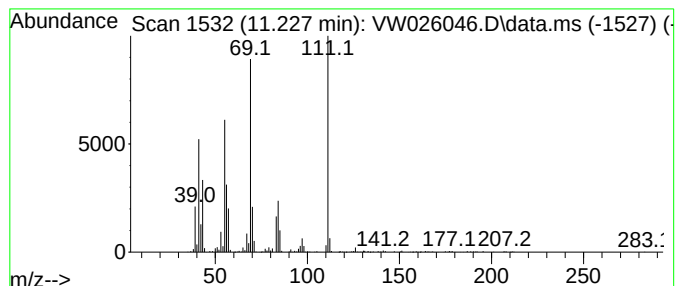
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.227 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	3.76 ug/L	360702	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4			2-Hepten-4-one, 6-methyl-	126	C8H14O	049852-35-9	46
5			3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

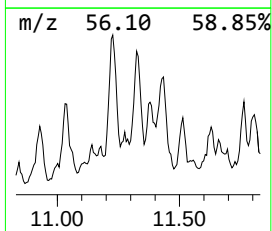
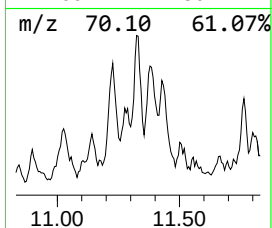
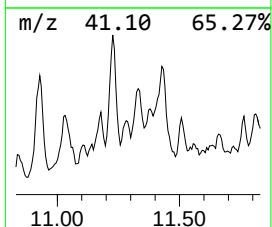
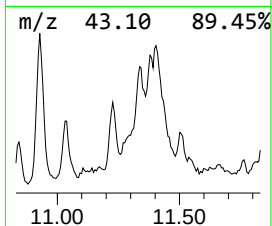
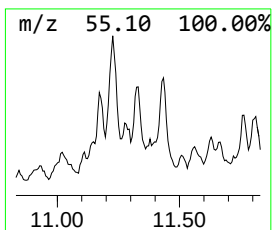
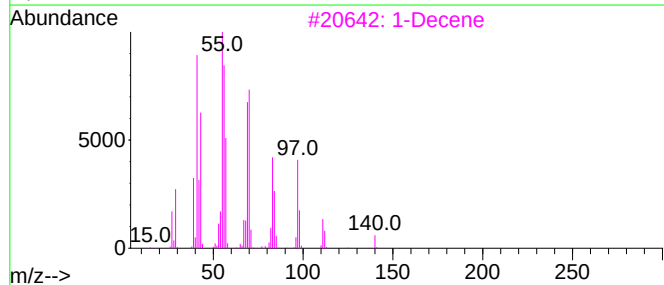
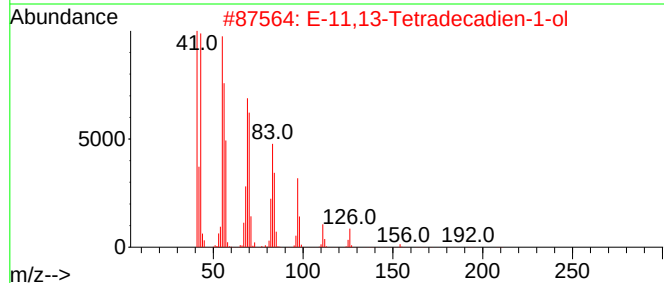
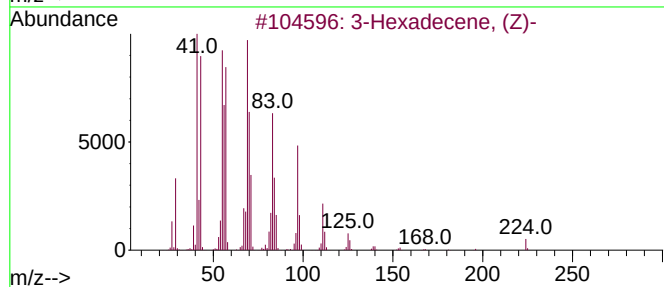
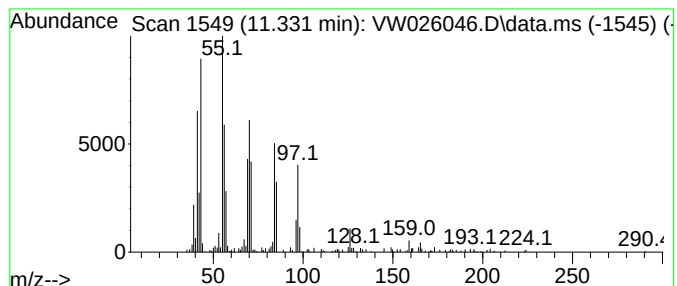
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MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.331	1.54 ug/L	147437	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	72
2	E-11,13-Tetradecadien-1-ol	210	C14H26O	1000131-00-3	47
3	1-Decene	140	C10H20	000872-05-9	43
4	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	27
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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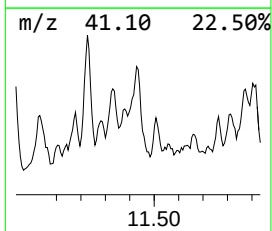
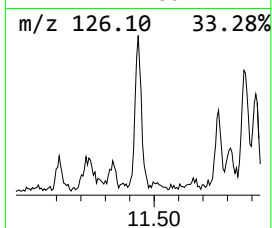
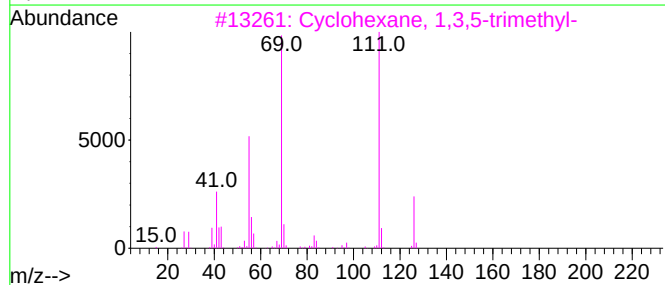
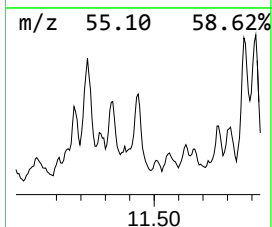
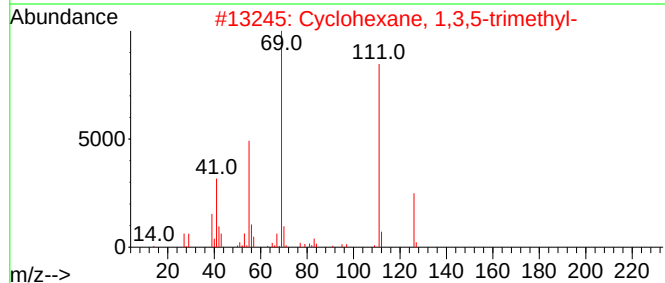
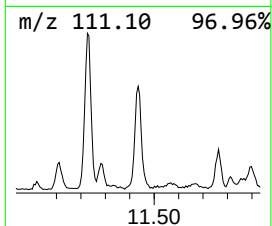
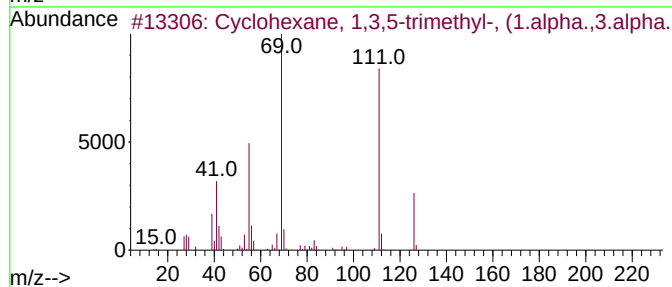
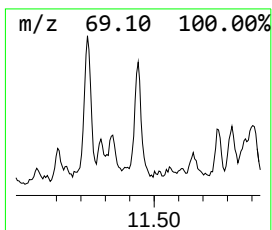
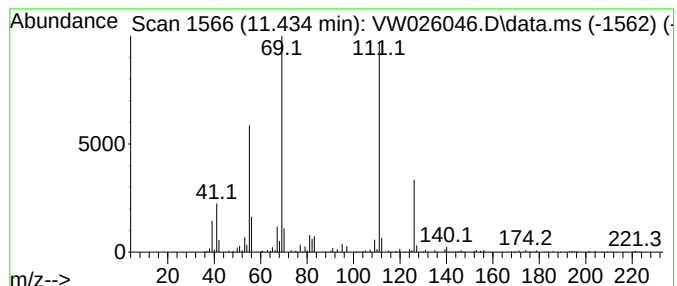
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.434 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	3.94 ug/L	378360	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

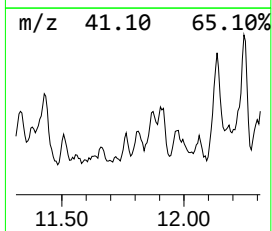
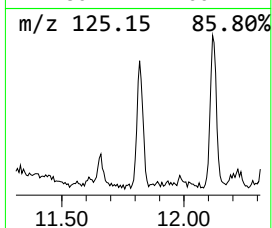
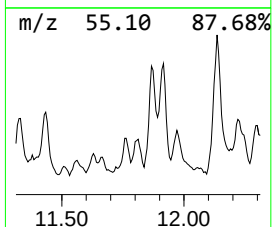
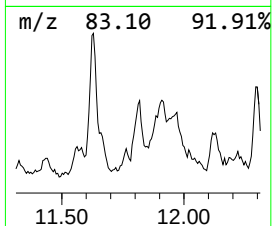
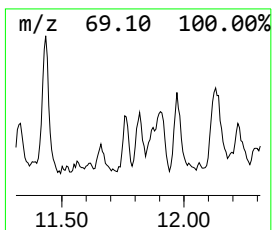
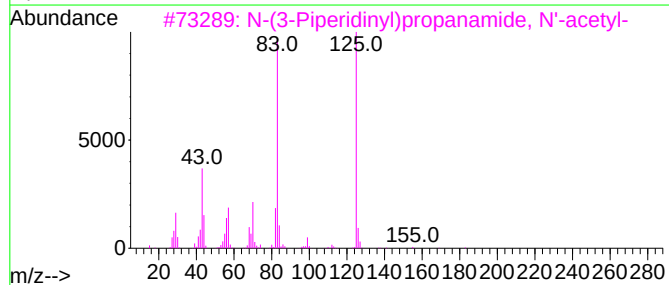
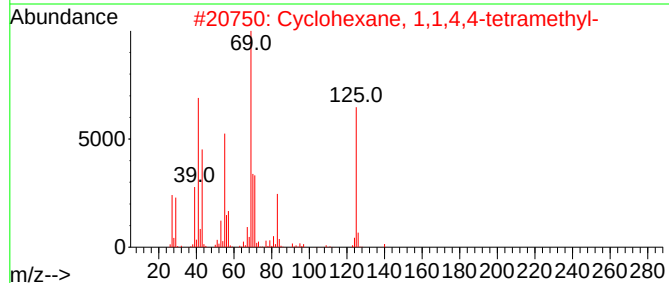
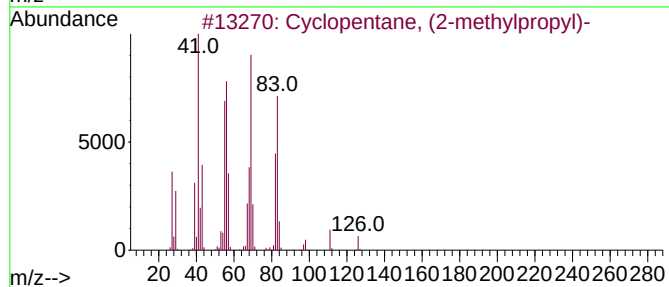
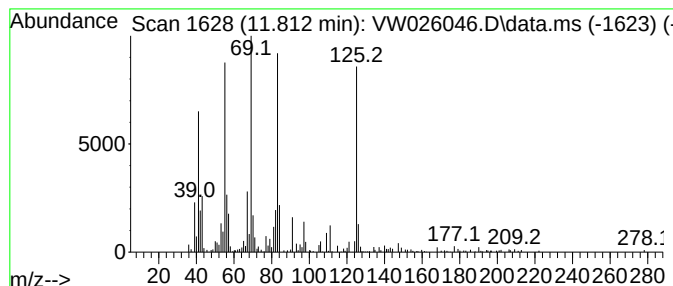
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.812 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.812	1.44 ug/L	138627	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	49
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	49
3	N-(3-Piperidiny)propanamide, N'	198	C10H18N2O2	1016538-74-1	43
4	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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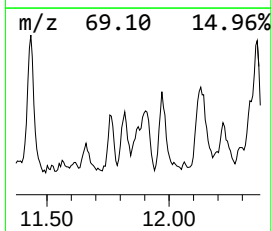
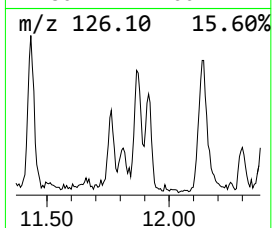
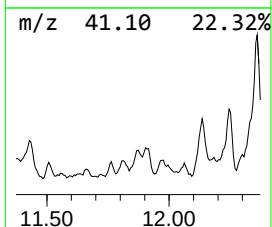
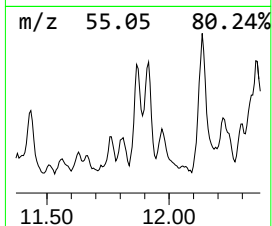
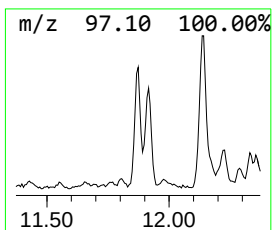
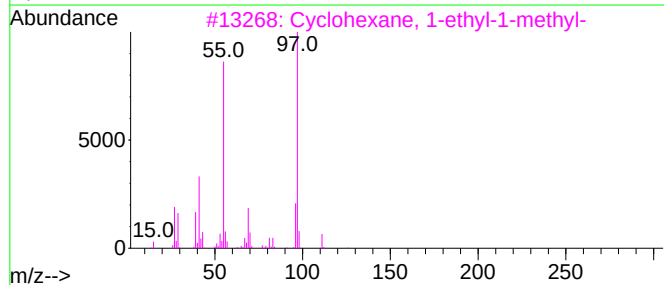
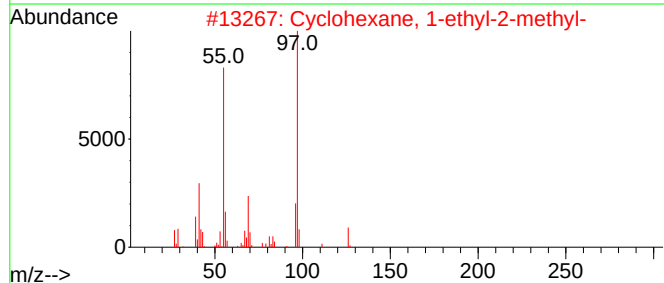
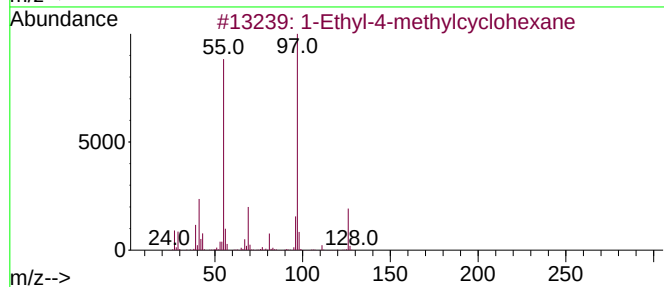
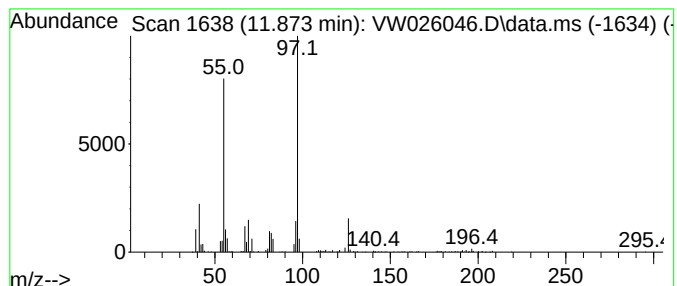
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic11.873 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	1.40 ug/L	134754	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
4			Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64
5			Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

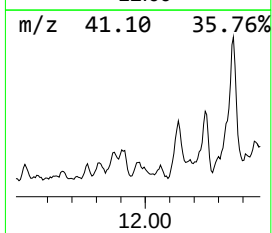
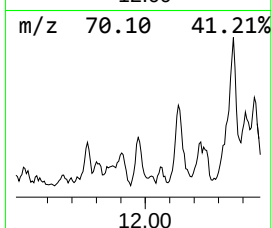
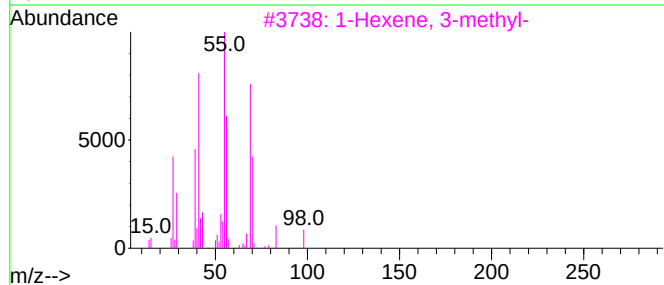
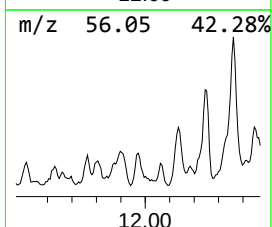
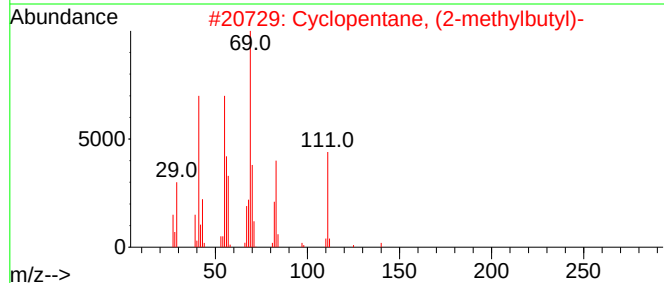
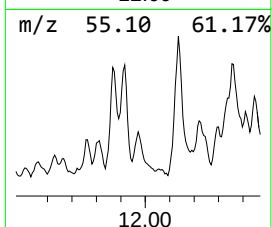
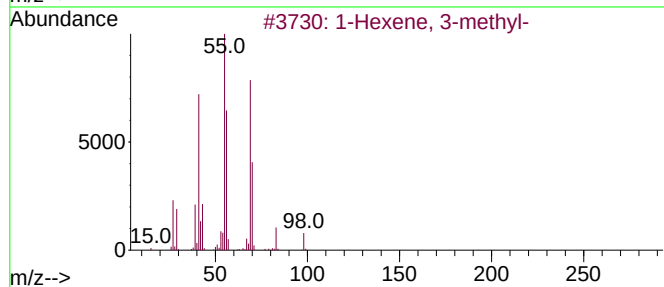
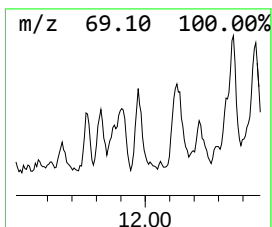
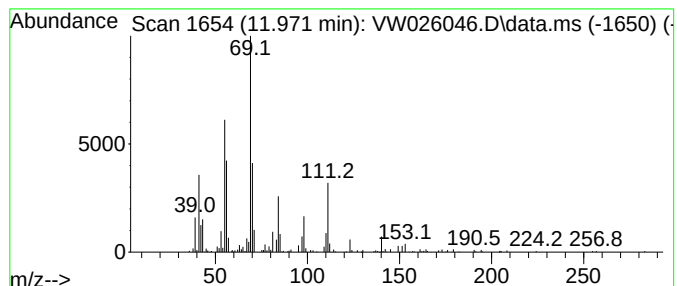
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.971	1.89 ug/L	181695	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
2			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
3			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	59
4			Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	50
5			Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

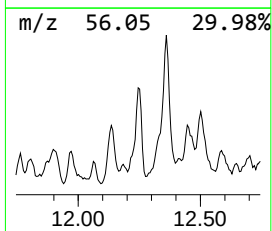
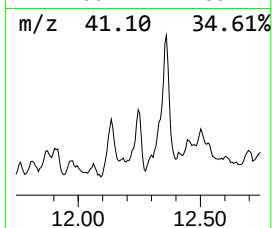
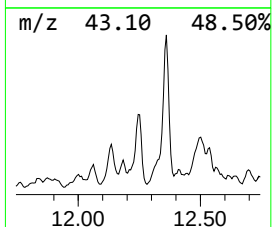
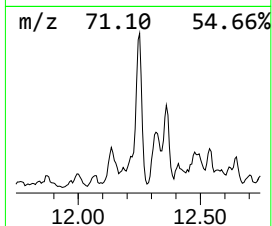
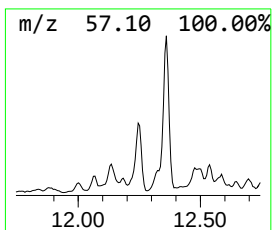
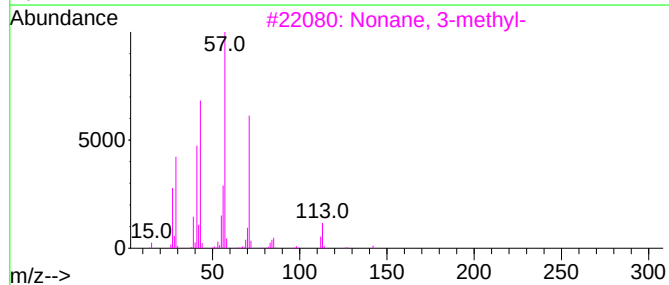
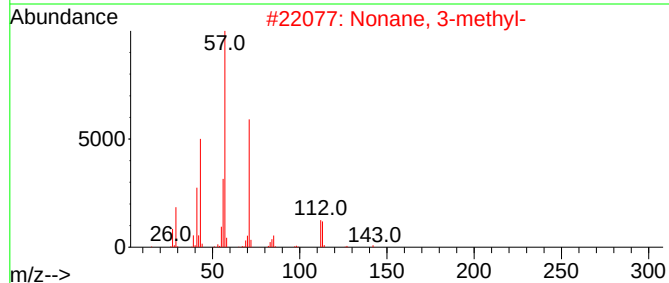
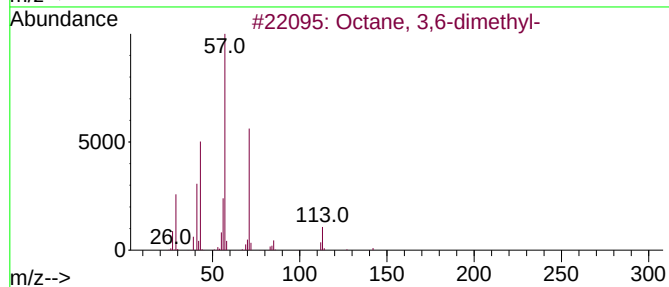
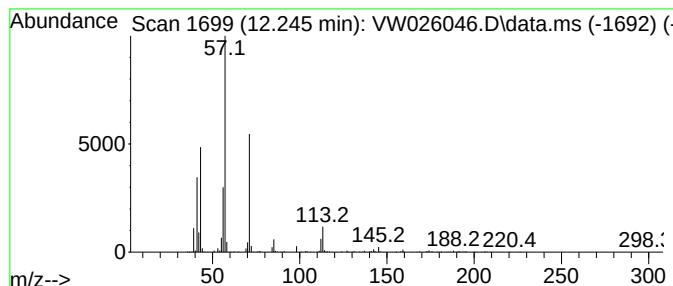
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	4.93 ug/L	473090	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	90
2	Nonane, 3-methyl-			142	C10H22	005911-04-6	90
3	Nonane, 3-methyl-			142	C10H22	005911-04-6	90
4	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	80
5	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

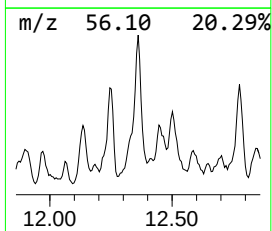
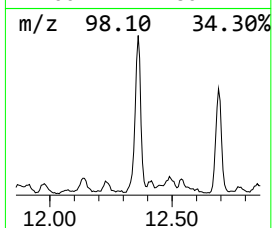
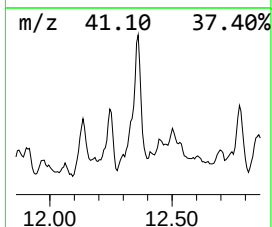
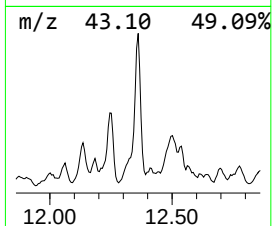
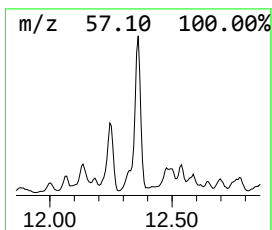
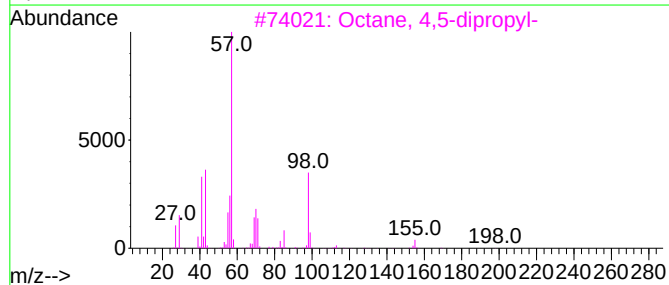
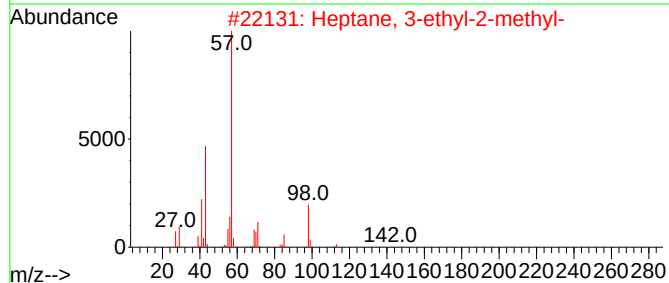
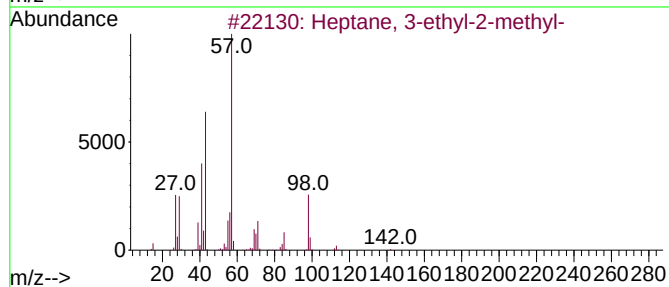
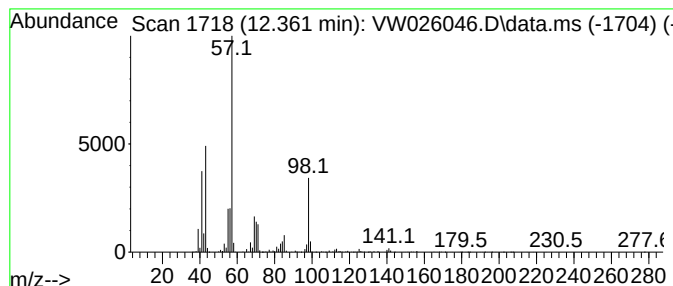
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	16.17 ug/L	1551770	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
3		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	78
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	76
5		2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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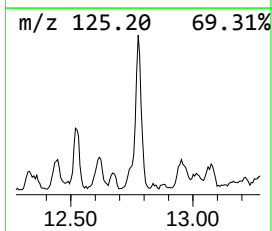
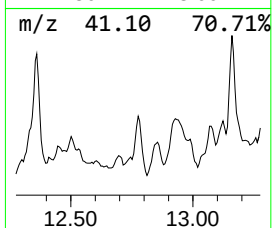
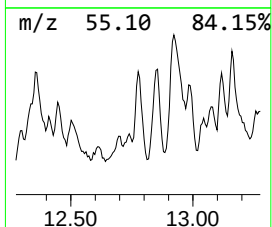
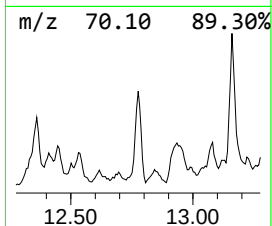
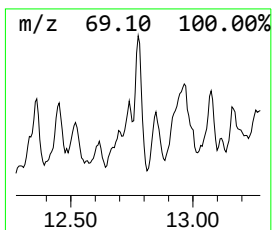
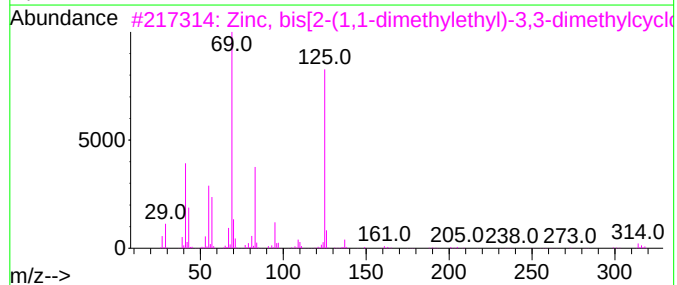
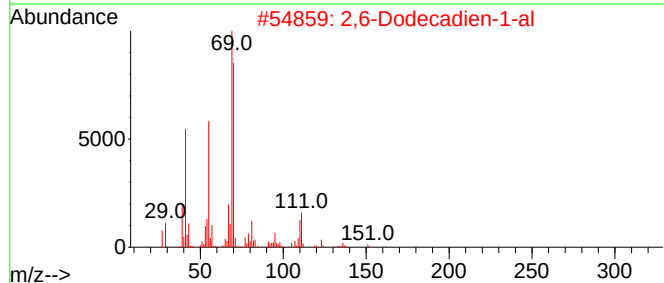
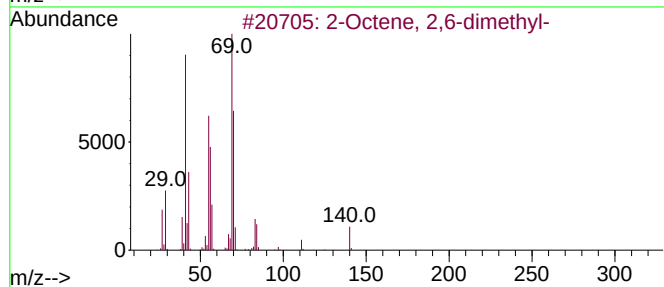
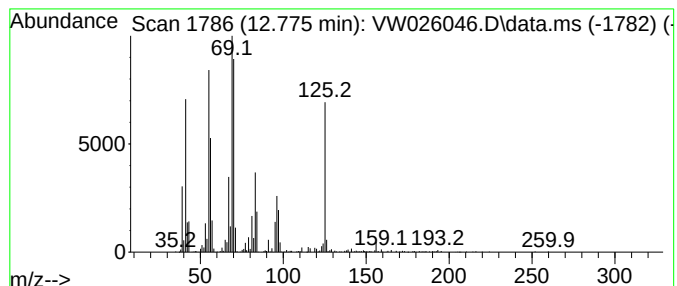
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	8.06 ug/L	544528	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-			140	C10H20	004057-42-5	50
2	2,6-Dodecadien-1-al			180	C12H20O	021662-13-5	38
3	Zinc, bis[2-(1,1-dimethylethyl)-...			314	C18H34Zn	074793-36-5	38
4	cis-3-Nonene			126	C9H18	020237-46-1	38
5	Cyclopentane, 1,2,3-trimethyl-, ...			112	C8H16	015890-40-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

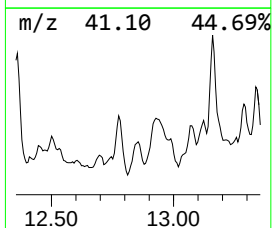
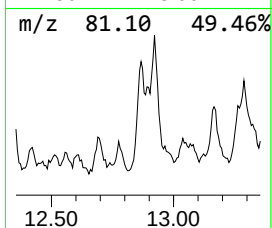
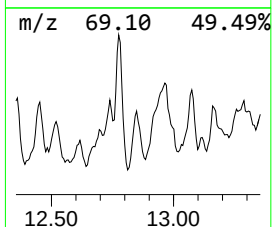
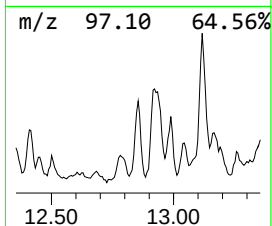
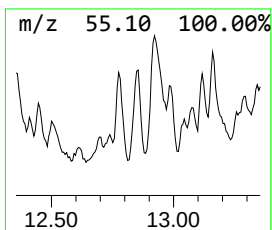
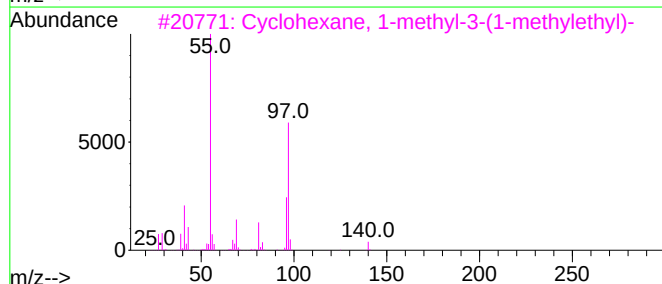
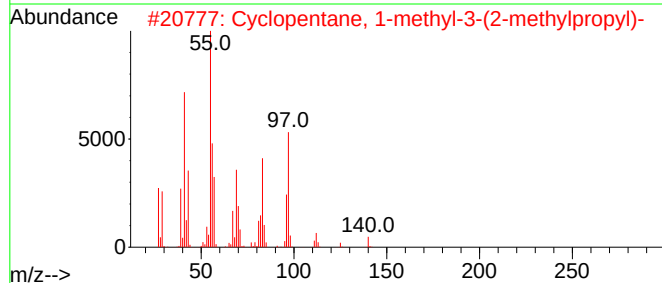
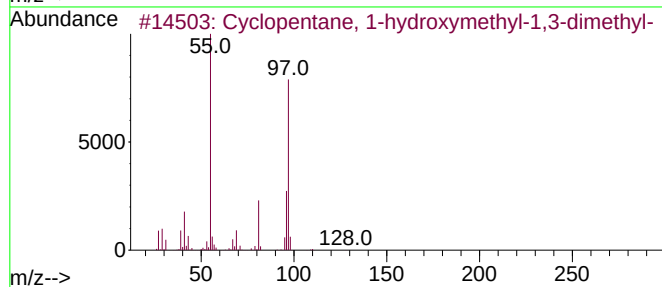
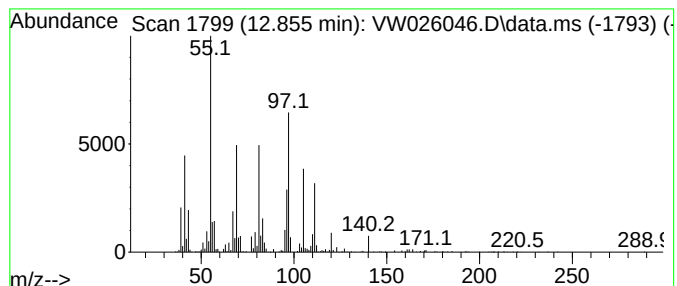
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Quant Title : SFAM01.0

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

Peak Number 15 Cyclopentane, 1-hydroxymeth... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	6.32 ug/L	426732	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	50
2			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	49
3			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	49
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	49
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

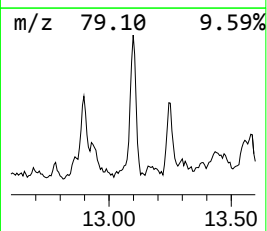
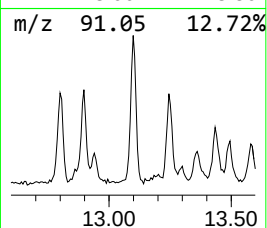
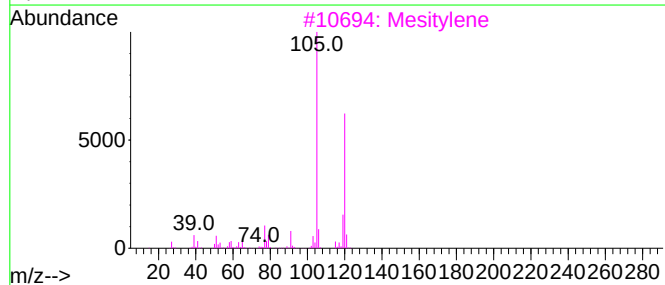
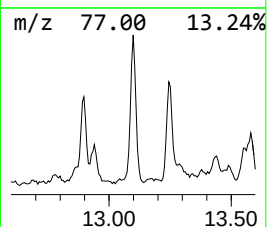
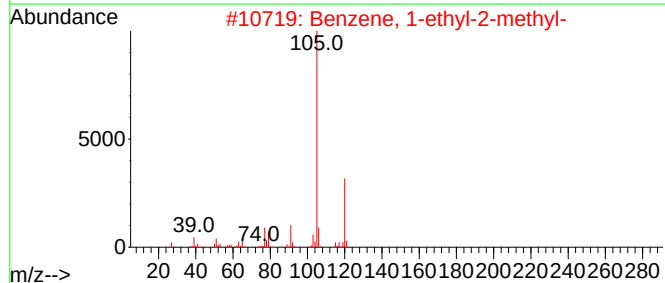
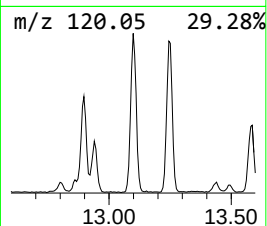
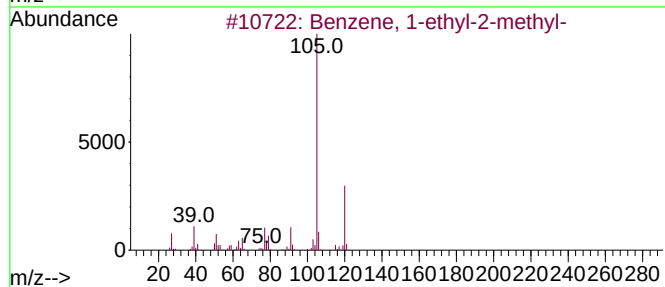
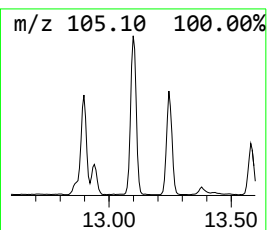
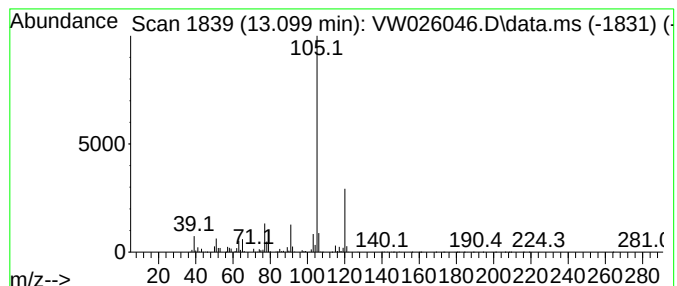
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Quant Title : SFAM01.0

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

Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	18.93 ug/L	1278870	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

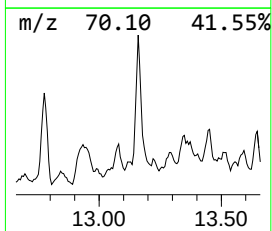
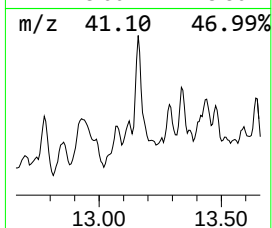
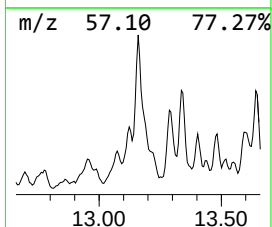
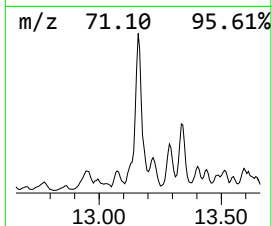
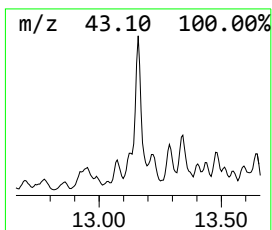
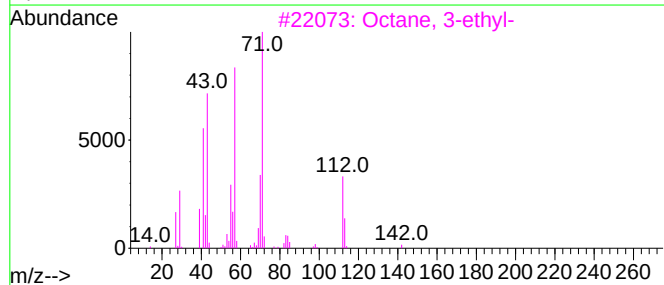
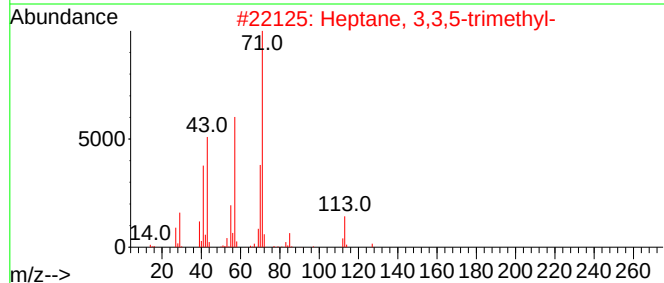
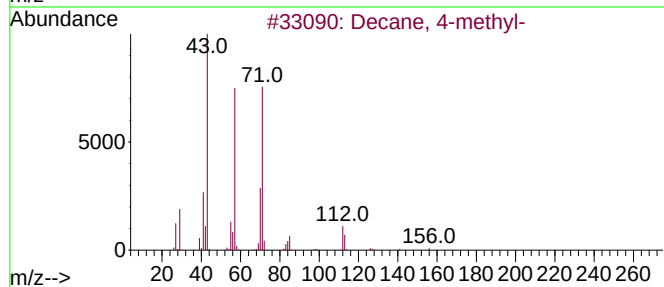
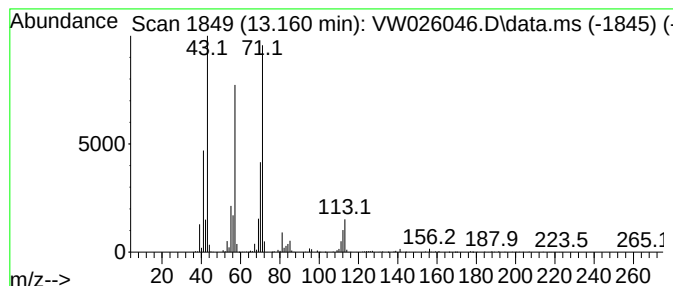
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	13.04 ug/L	880629	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	80
2		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3		Octane, 3-ethyl-	142	C10H22	005881-17-4	72
4		Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	72
5		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

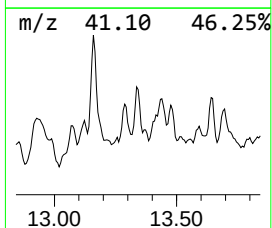
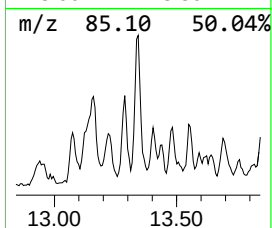
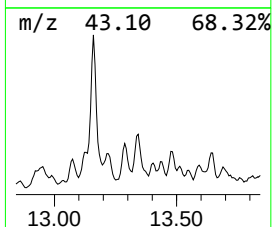
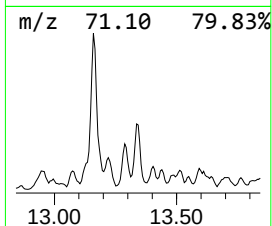
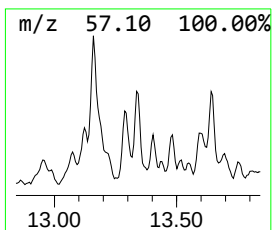
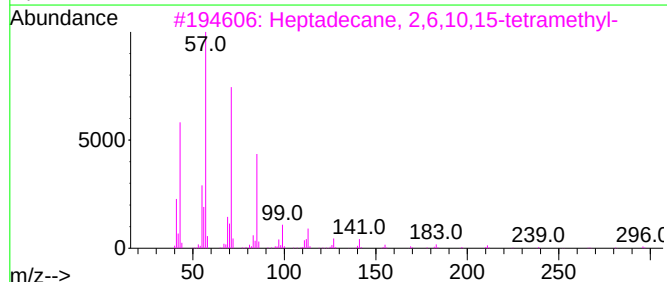
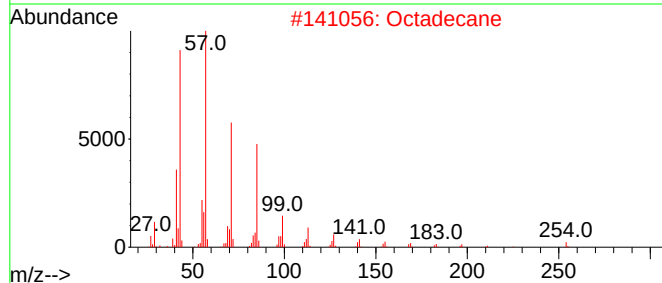
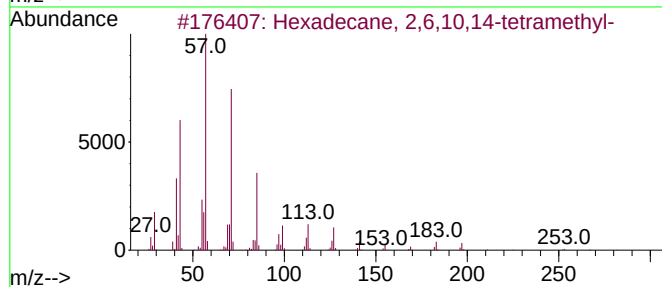
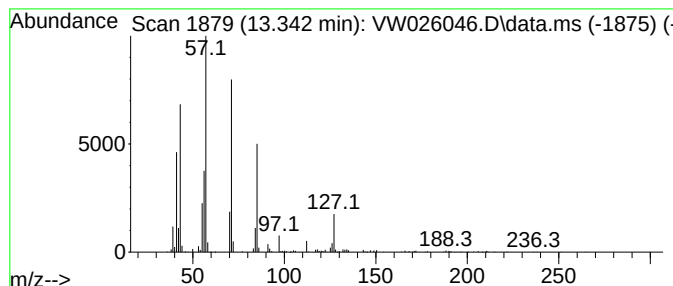
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.342	4.08 ug/L	275409	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
2		Octadecane	254	C18H38	000593-45-3	78
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
5		Nonadecane	268	C19H40	000629-92-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

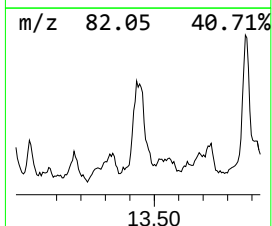
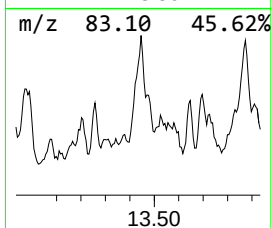
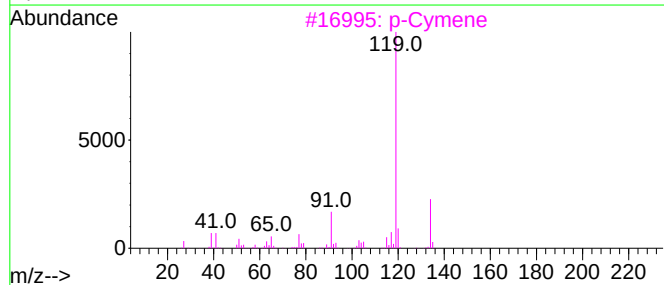
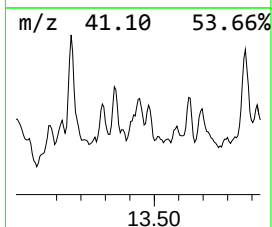
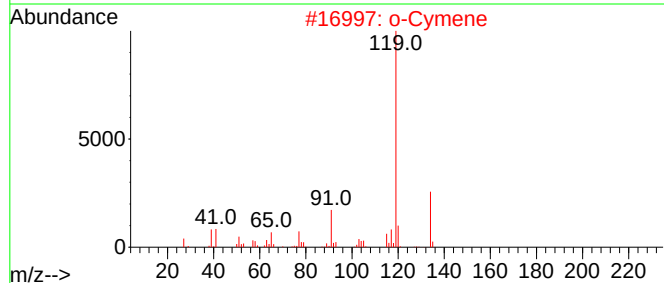
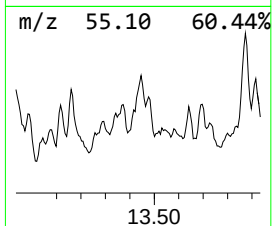
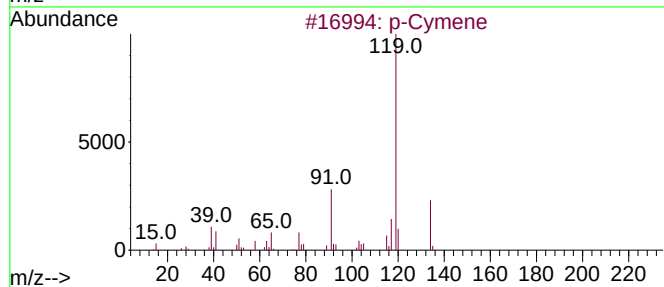
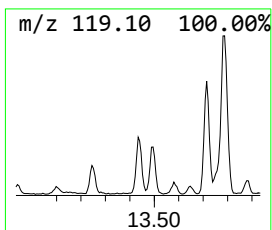
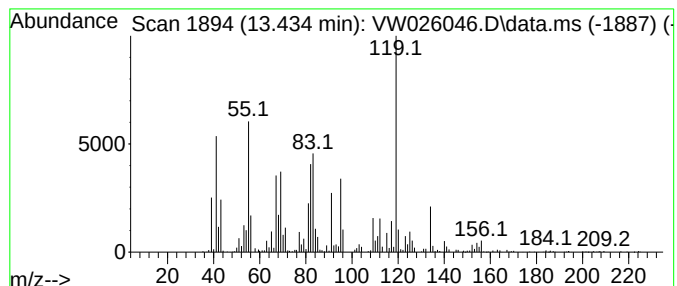
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Quant Title : SFAM01.0

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

Peak Number 19 p-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.434	9.59 ug/L	647968	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene			134	C10H14	000099-87-6	89
2	o-Cymene			134	C10H14	000527-84-4	83
3	p-Cymene			134	C10H14	000099-87-6	83
4	o-Cymene			134	C10H14	000527-84-4	64
5	o-Cymene			134	C10H14	000527-84-4	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

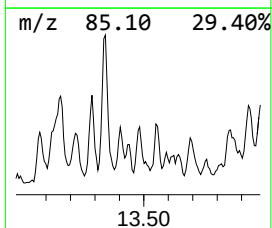
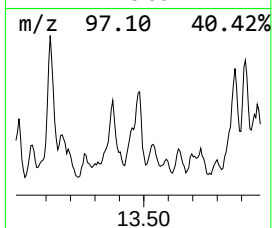
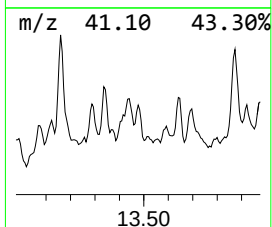
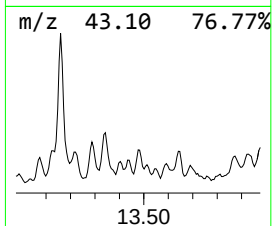
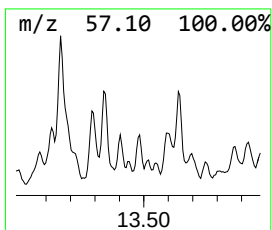
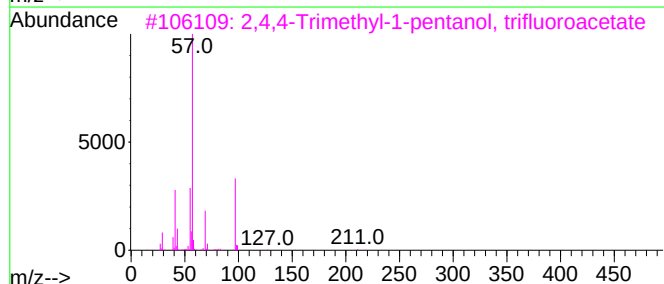
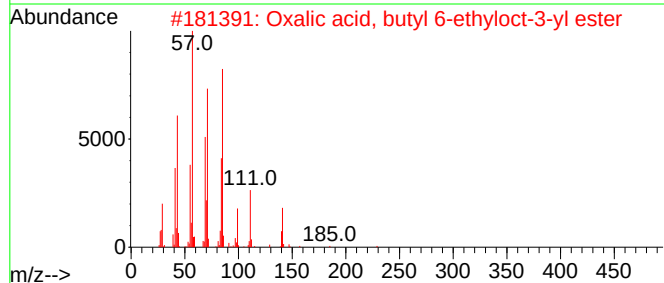
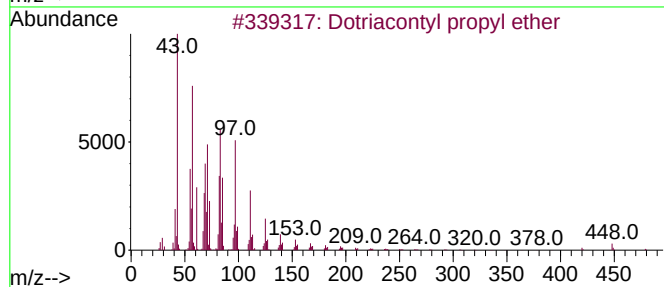
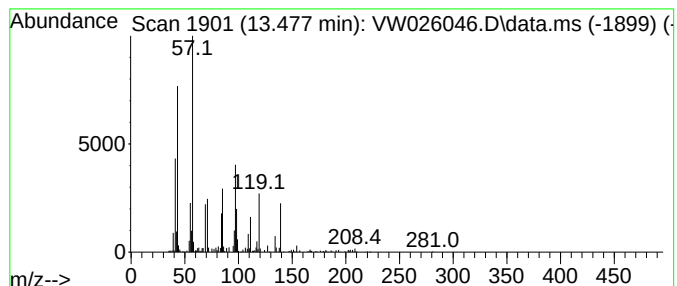
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Quant Title : SFAM01.0

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

Peak Number 20 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	4.57 ug/L	308444	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dotriacontyl propyl ether	509	C35H72O	1000406-28-7	35
2			Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	22
3			2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	22
4			Nonane	128	C9H20	000111-84-2	22
5			Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

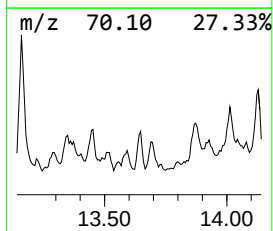
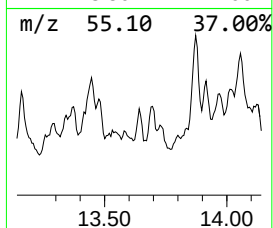
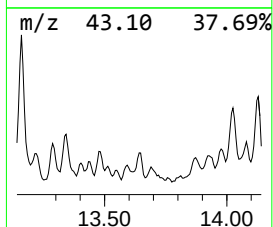
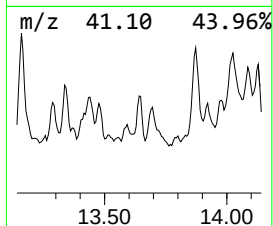
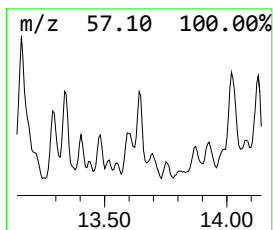
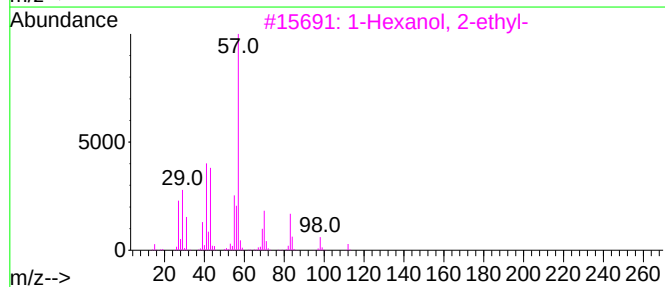
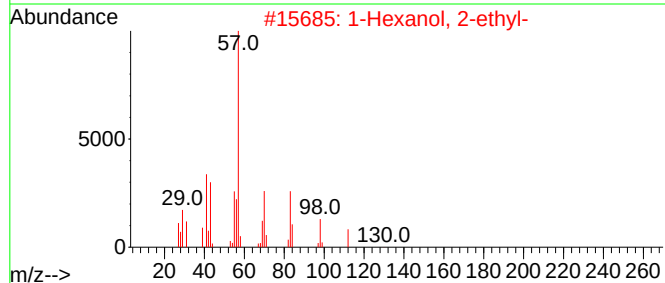
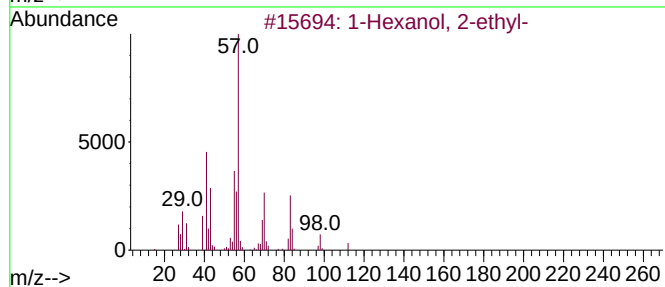
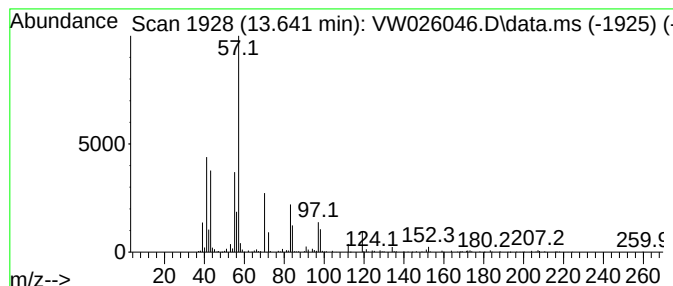
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 21 1-Hexanol, 2-ethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.641	3.35 ug/L	226135	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-		130	C8H18O	000104-76-7	64
2	1-Hexanol, 2-ethyl-		130	C8H18O	000104-76-7	59
3	1-Hexanol, 2-ethyl-		130	C8H18O	000104-76-7	59
4	2-Propyl-1-pentanol		130	C8H18O	058175-57-8	53
5	Isobutyl tridecyl carbonate		300	C18H36O3	959275-44-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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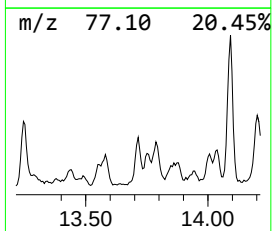
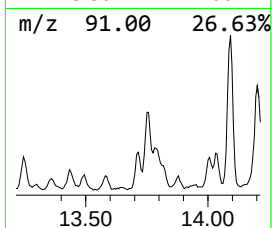
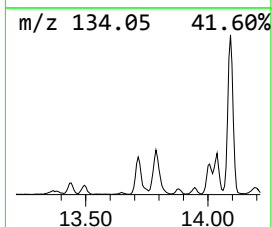
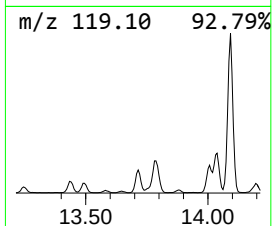
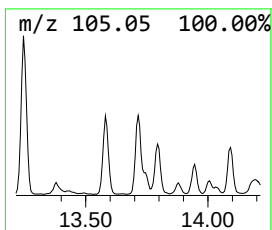
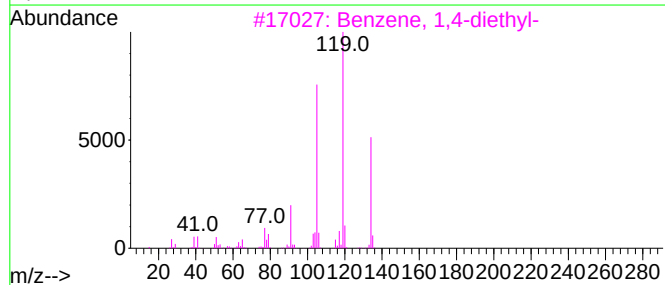
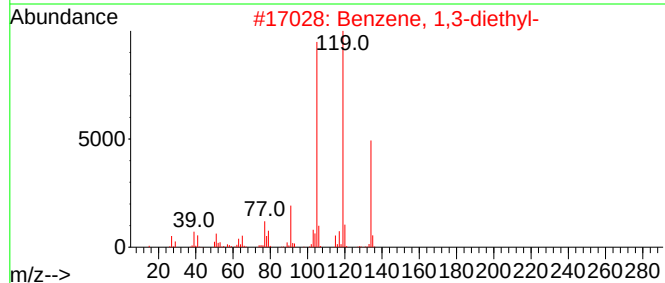
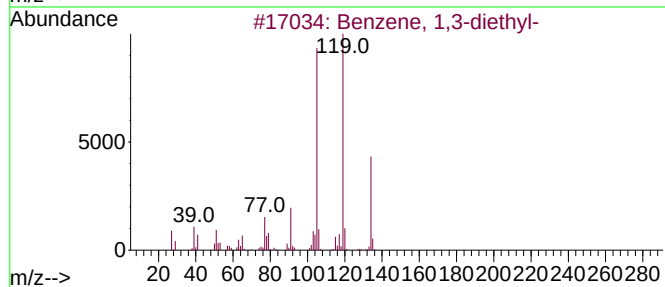
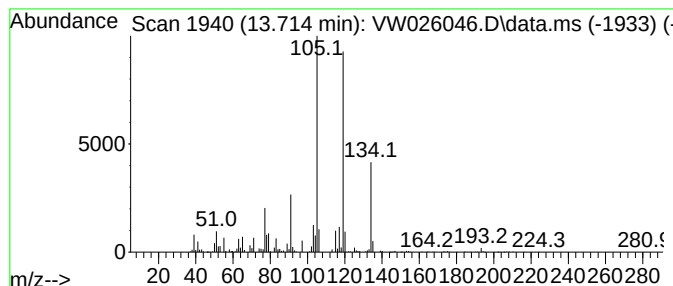
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Quant Title : SFAM01.0

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

Peak Number 22 Benzene, 1,3-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	11.29 ug/L	762368	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
5			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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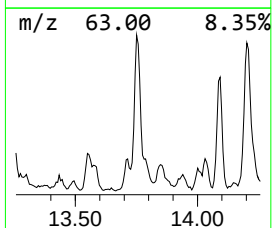
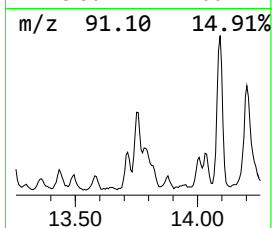
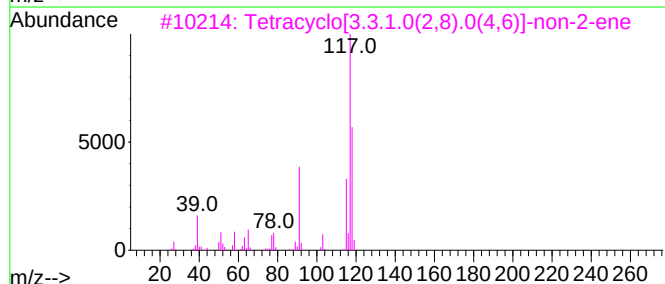
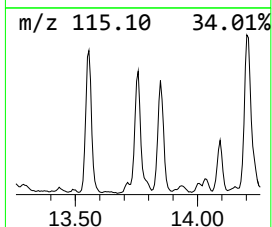
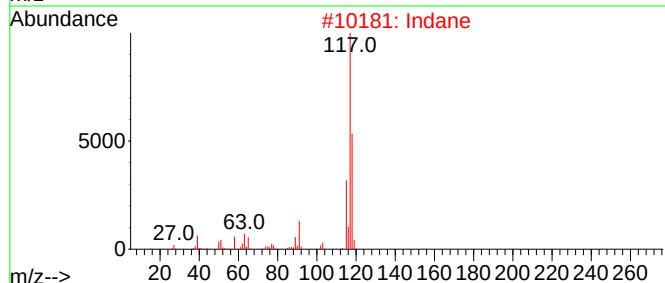
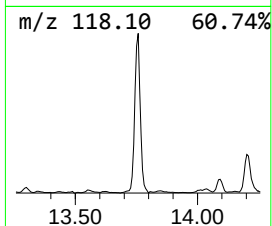
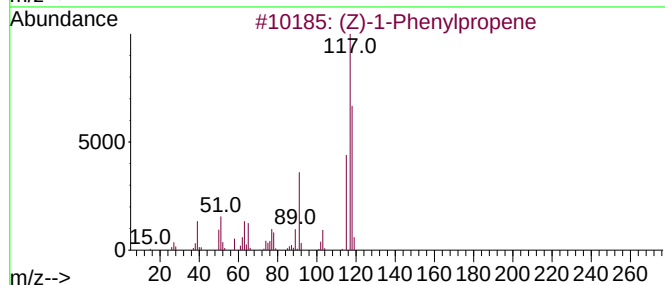
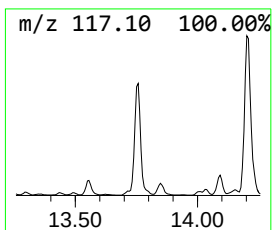
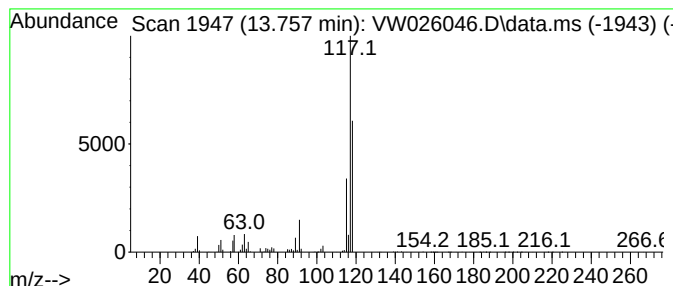
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Quant Title : SFAM01.0

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

Peak Number 23 (Z)-1-Phenylpropene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	10.23 ug/L	690790	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(Z)-1-Phenylpropene	118	C9H10	000766-90-5	72
2			Indane	118	C9H10	000496-11-7	72
3			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5			Indane	118	C9H10	000496-11-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

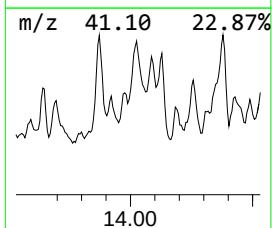
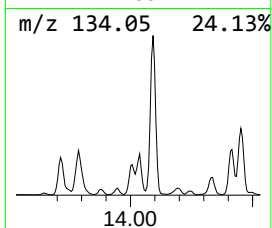
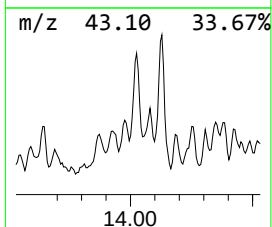
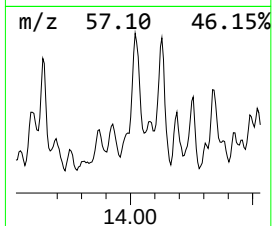
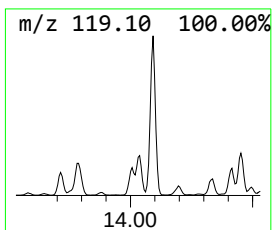
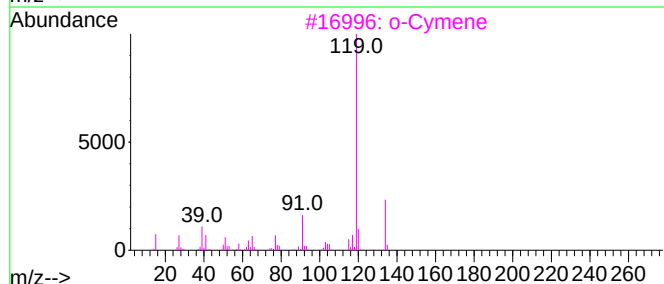
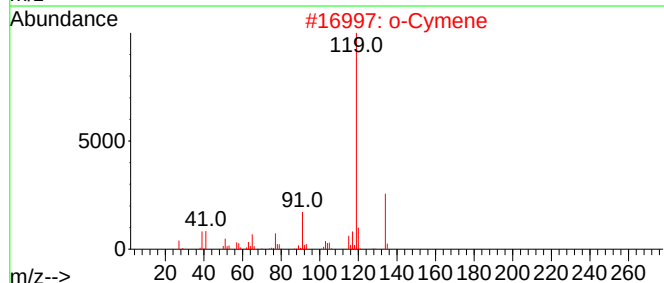
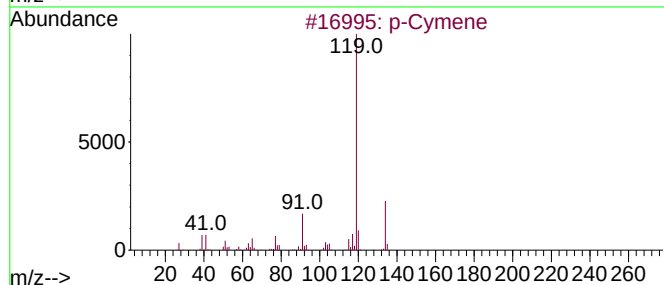
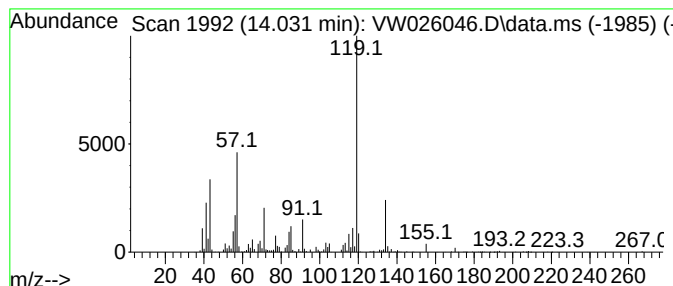
Instrument :
MSVOA_W
ClientSampleId :
EW998

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1-methyl-3-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.031	16.44 ug/L	1110810	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	p-Cymene		134	C10H14	000099-87-6	93
2	o-Cymene		134	C10H14	000527-84-4	93
3	o-Cymene		134	C10H14	000527-84-4	92
4	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	92
5	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

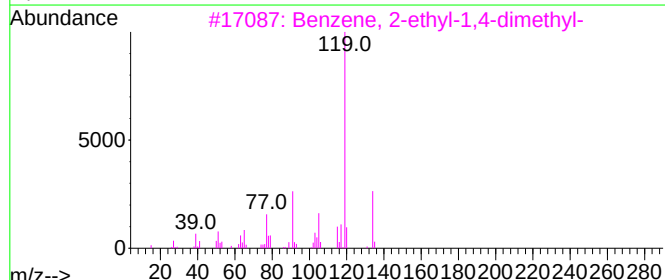
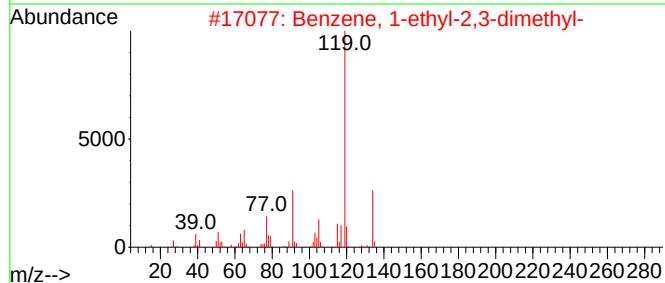
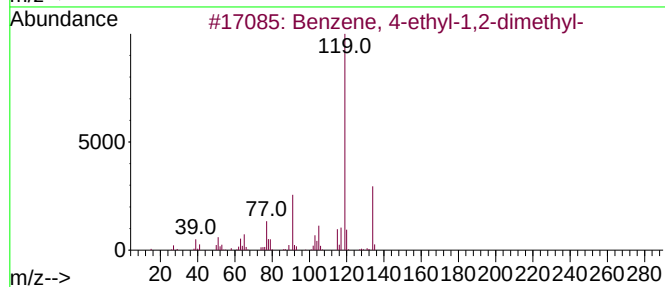
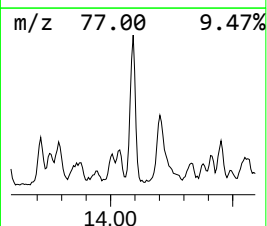
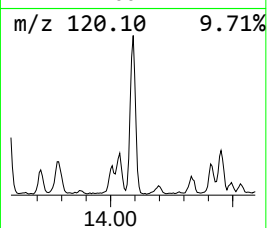
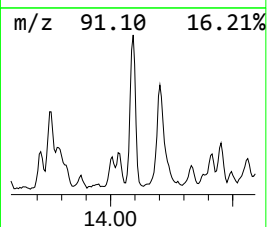
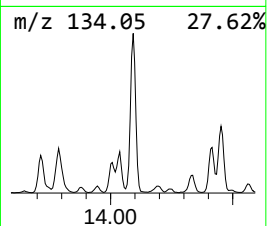
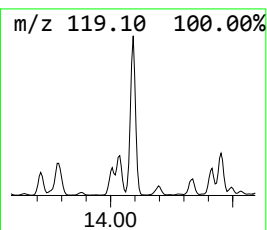
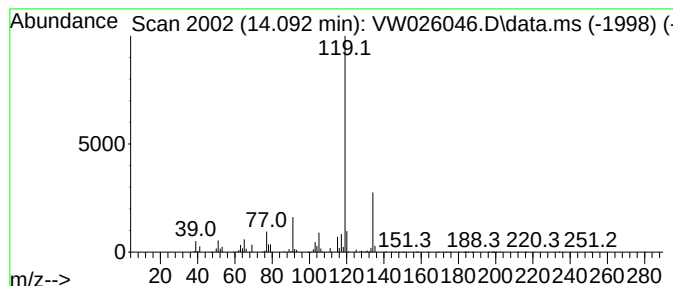
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	21.52 ug/L	1453600	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

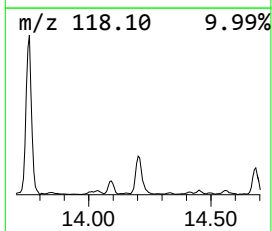
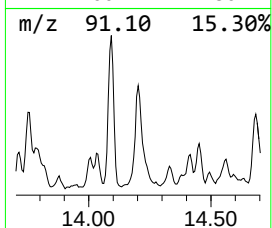
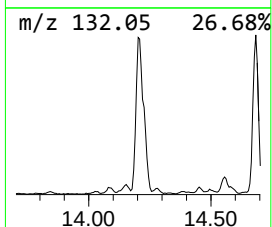
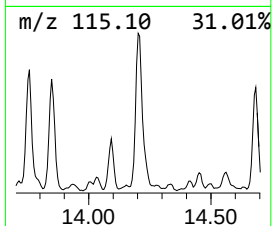
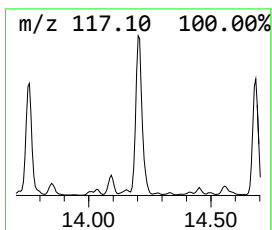
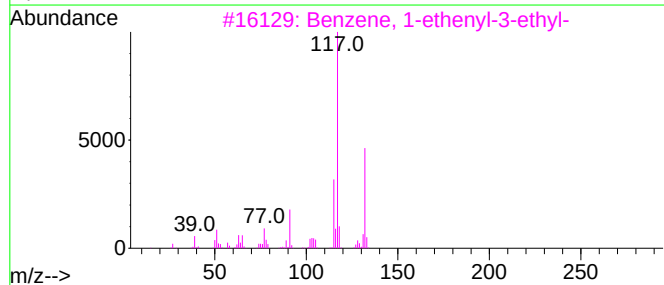
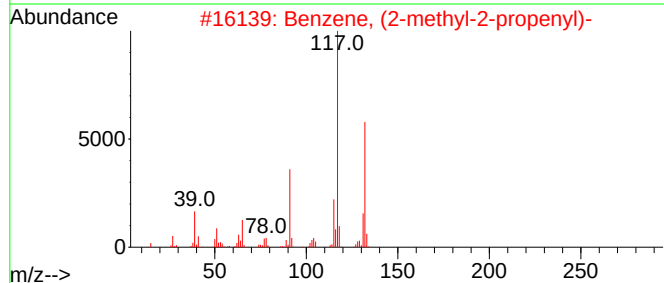
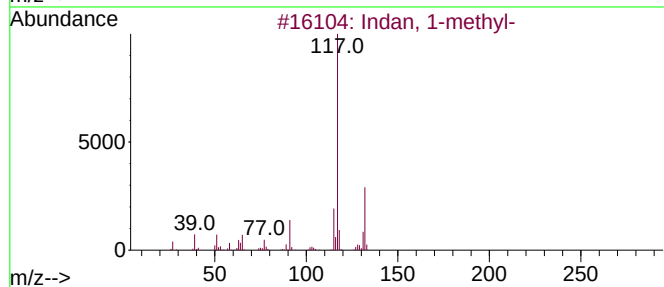
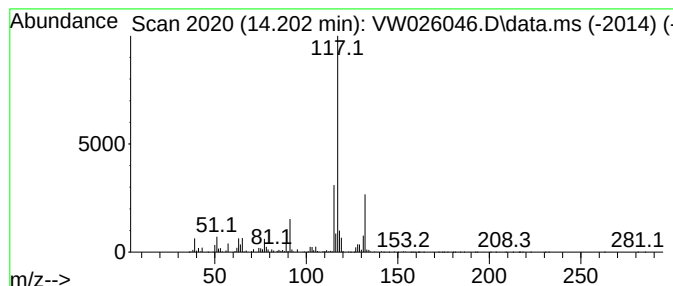
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Quant Title : SFAM01.0

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

Peak Number 26 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	31.60 ug/L	2134500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	87
2			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

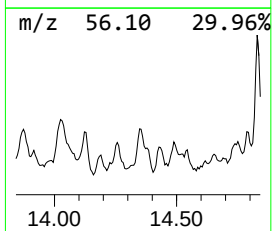
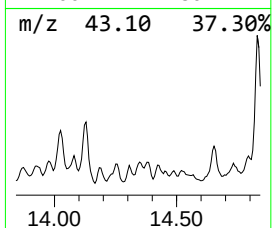
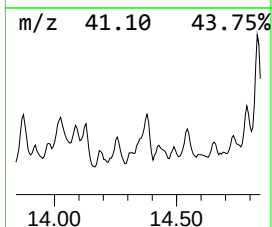
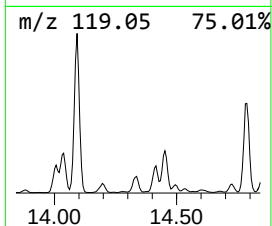
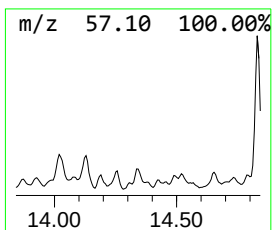
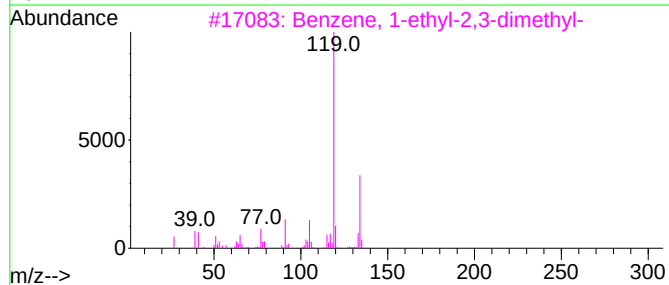
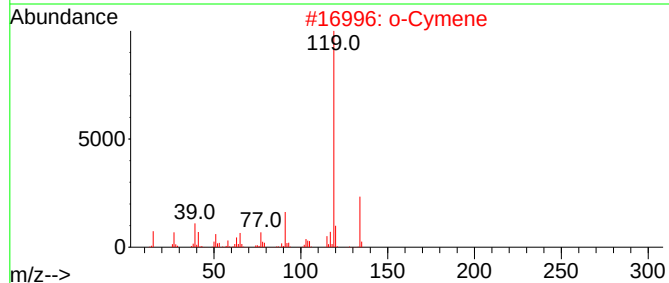
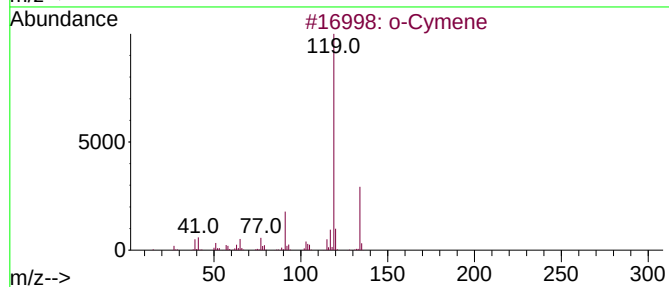
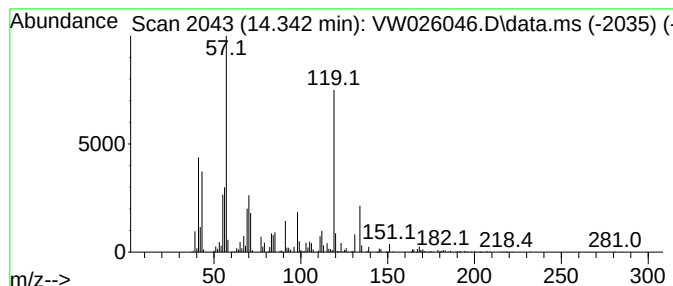
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Quant Title : SFAM01.0

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

Peak Number 27 o-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.342	9.35 ug/L	631874	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	64
2			o-Cymene	134	C10H14	000527-84-4	50
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	50
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

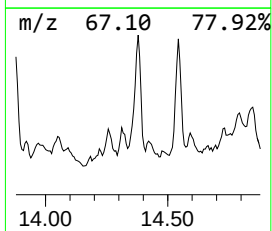
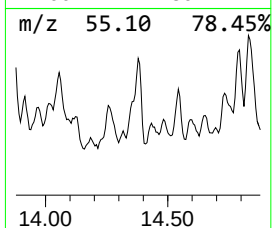
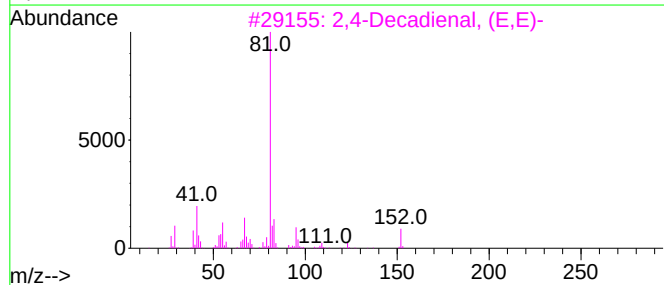
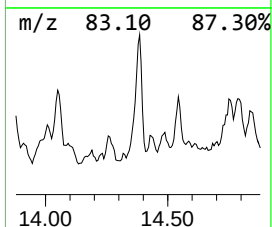
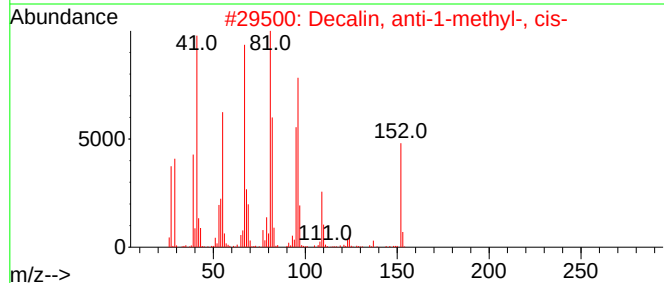
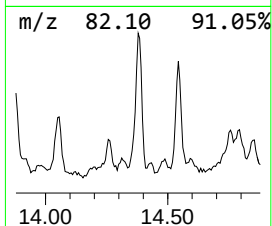
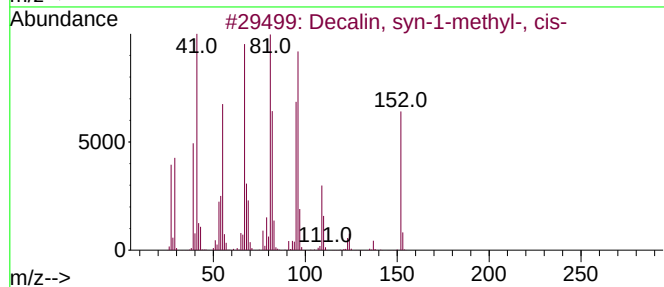
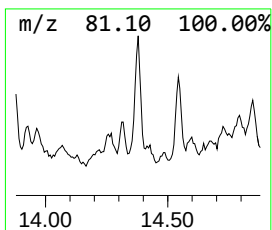
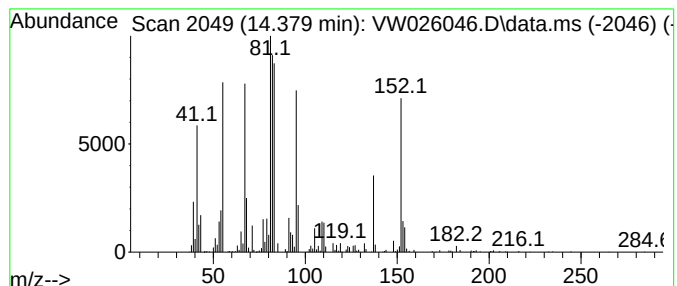
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Quant Title : SFAM01.0

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

Peak Number 28 Decalin, syn-1-methyl-, cis- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	11.82 ug/L	798364	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	60
2			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	53
3			2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	52
4			Pulegone	152	C10H16O	000089-82-7	49
5			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

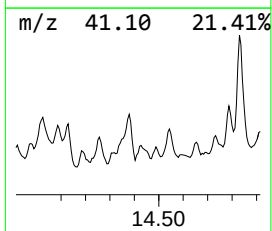
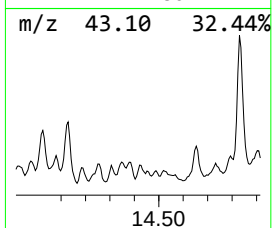
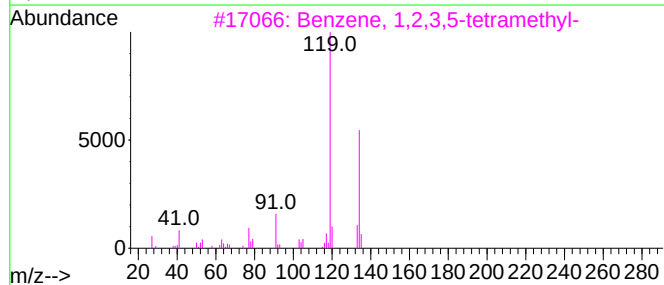
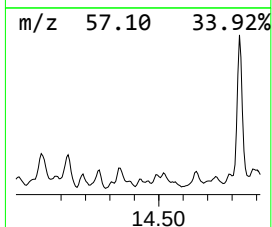
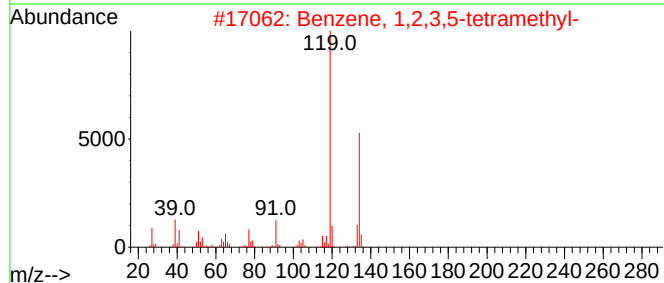
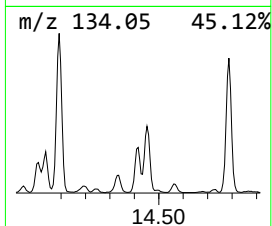
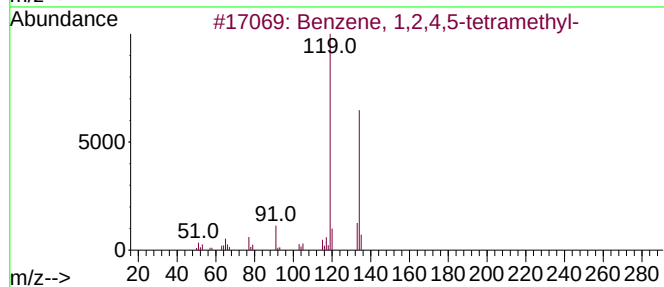
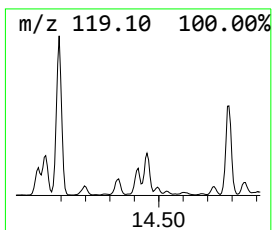
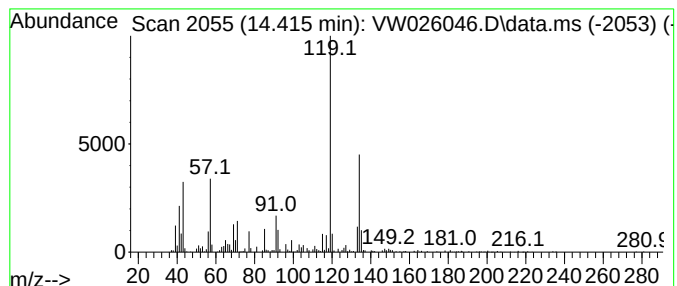
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Quant Title : SFAM01.0

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

Peak Number 29 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	4.94 ug/L	333559	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

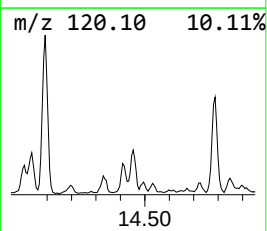
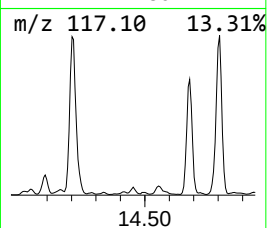
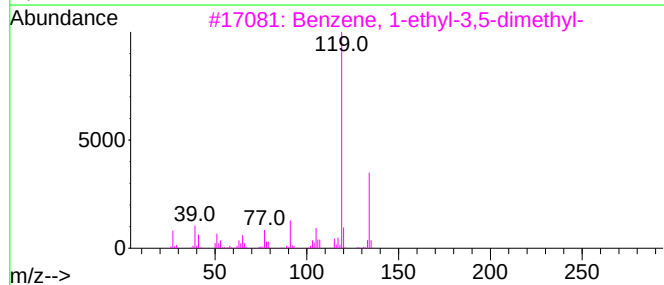
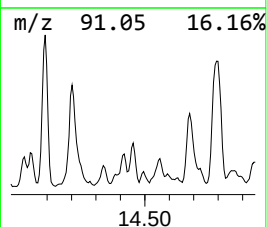
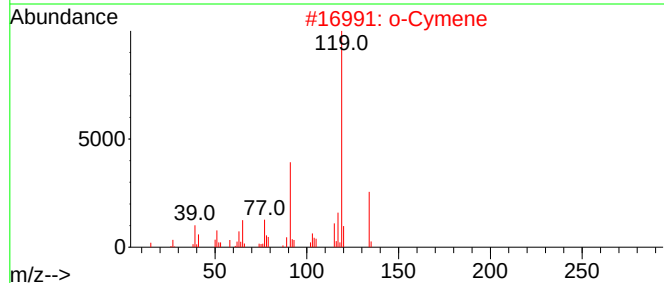
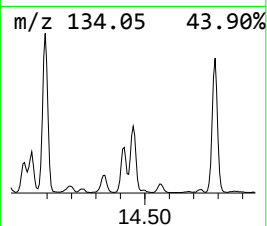
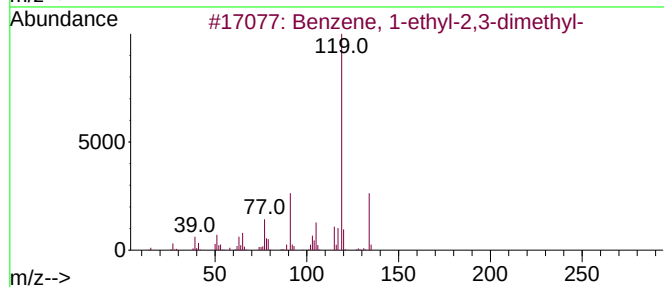
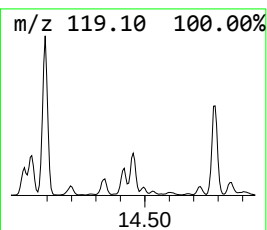
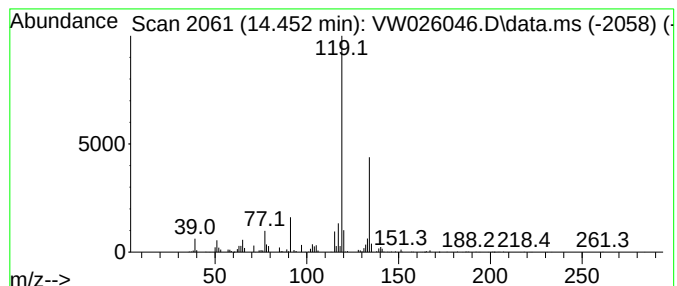
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Quant Title : SFAM01.0

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

Peak Number 30 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	6.58 ug/L	444630	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2			o-Cymene	134	C10H14	000527-84-4	91
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4			p-Cymene	134	C10H14	000099-87-6	91
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

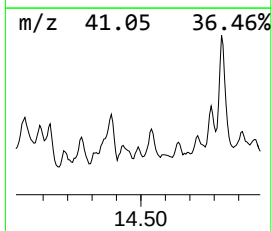
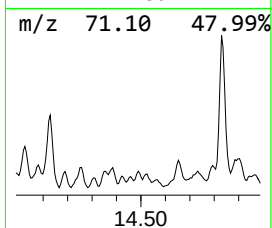
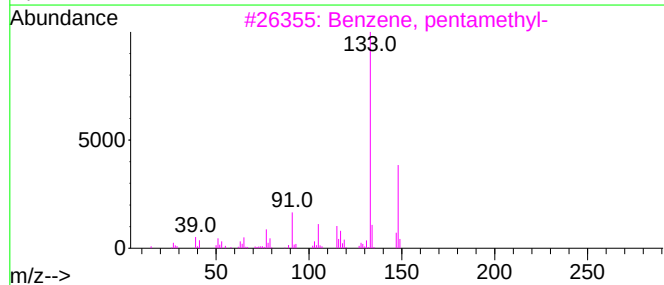
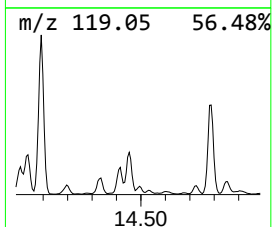
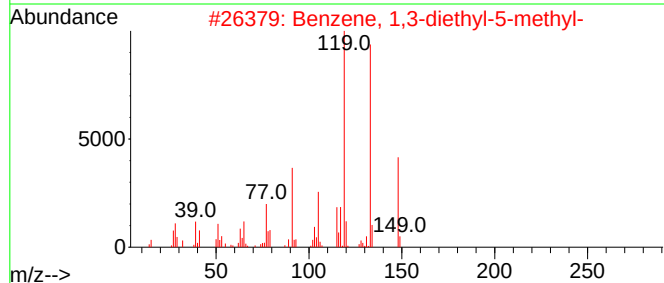
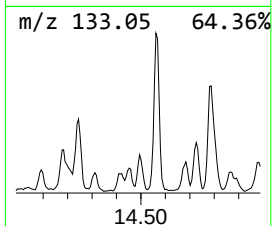
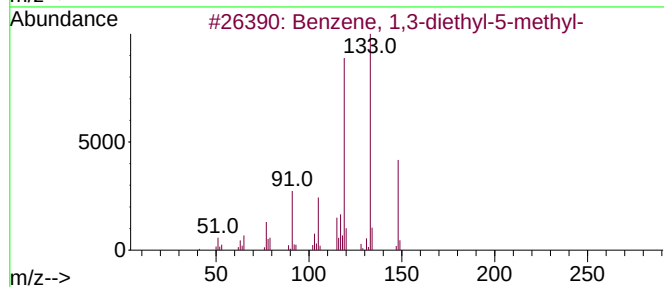
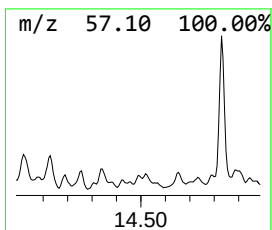
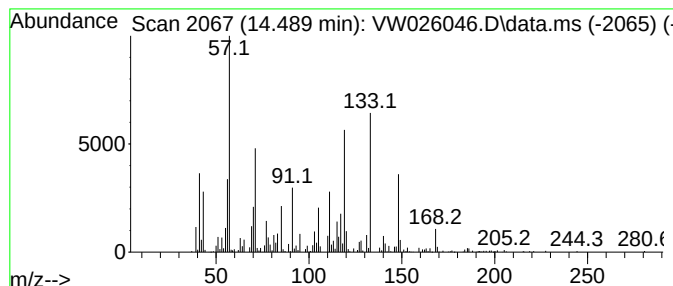
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.489	2.55 ug/L	171935	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	90
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	30
4			3,4-Dimethylcumene	148	C11H16	1000370-34-1	30
5			Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

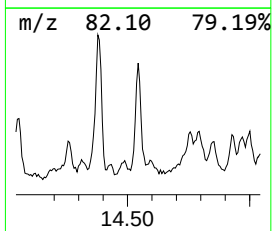
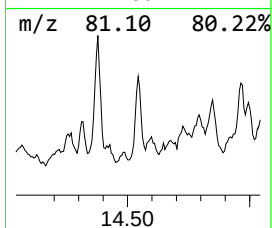
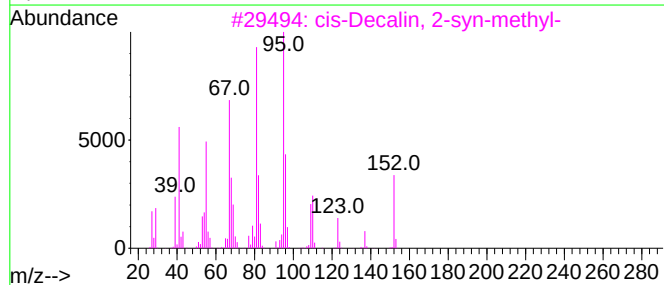
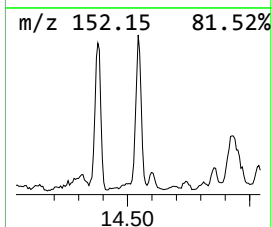
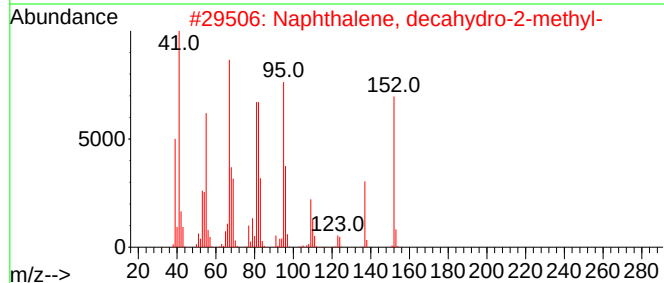
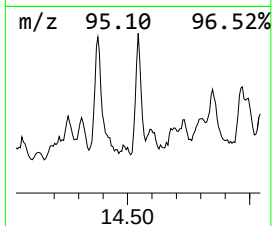
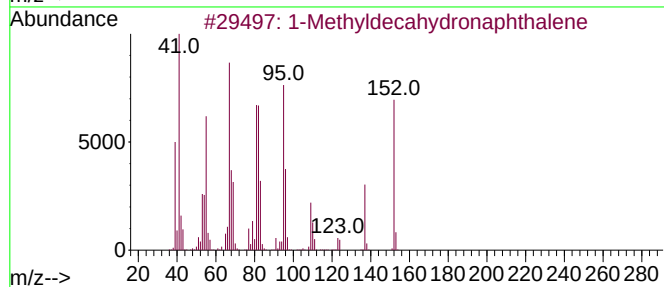
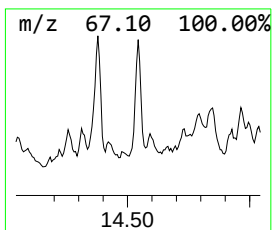
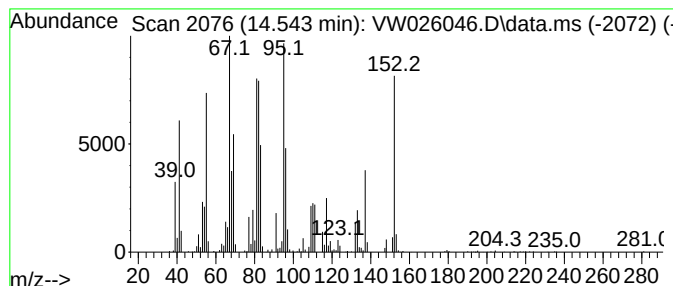
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Quant Title : SFAM01.0

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

Peak Number 32 1-Methyldecahydronaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	10.84 ug/L	732338	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	92
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	89
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

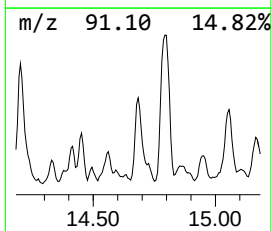
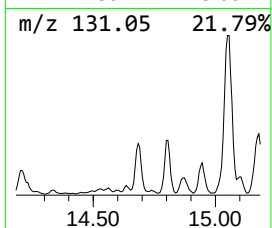
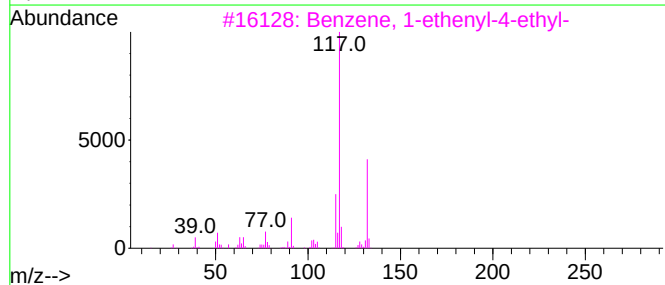
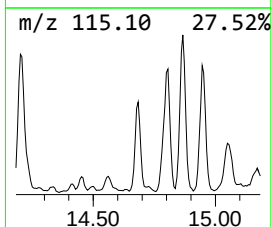
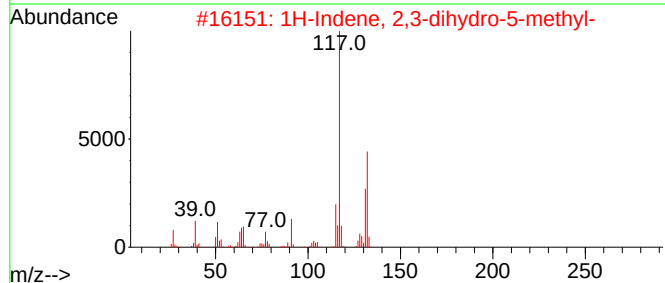
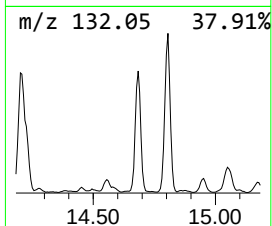
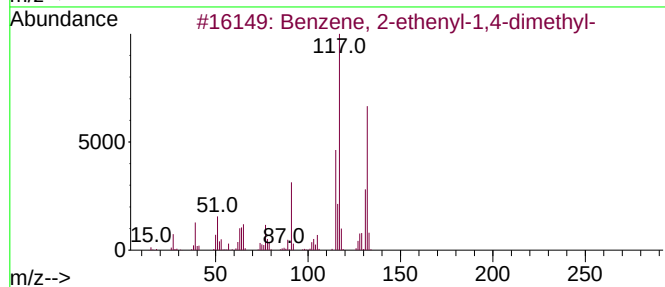
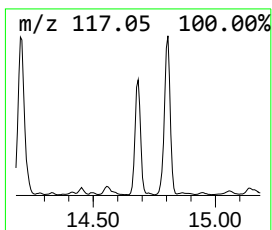
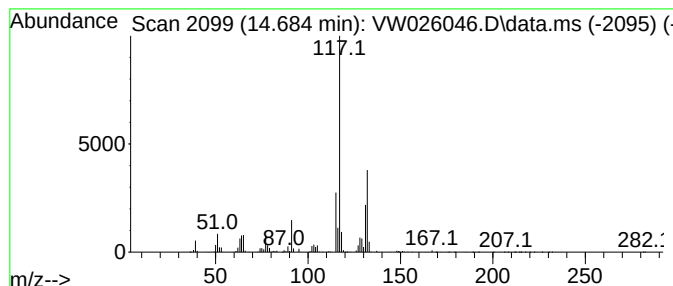
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	15.16 ug/L	1024120	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
3			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5			Indan, 1-methyl-	132	C10H12	000767-58-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

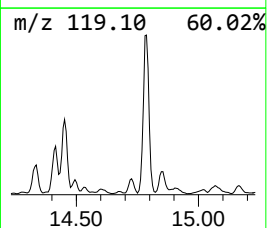
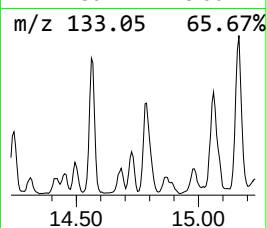
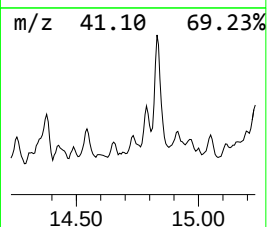
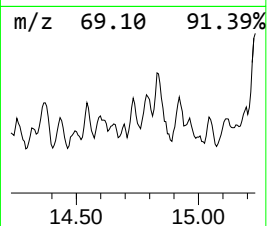
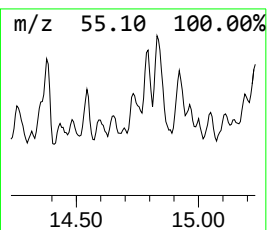
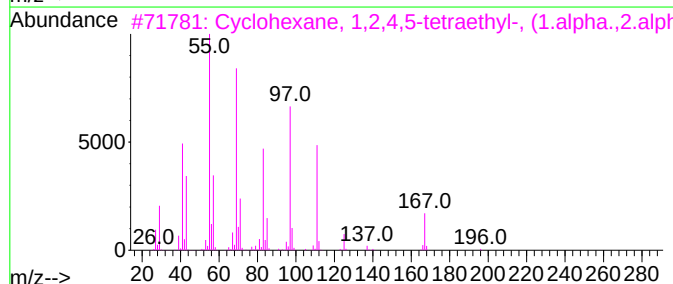
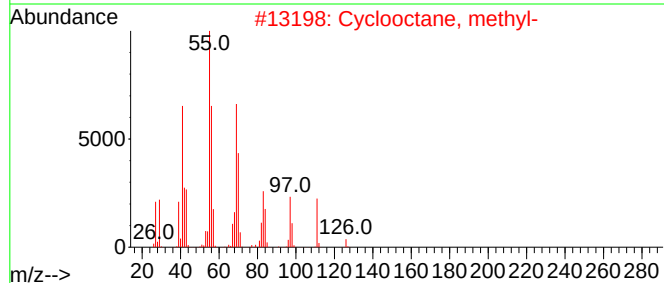
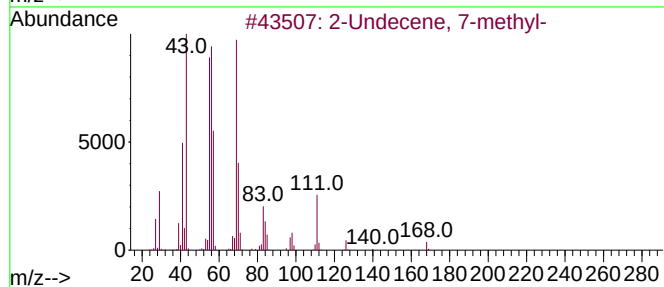
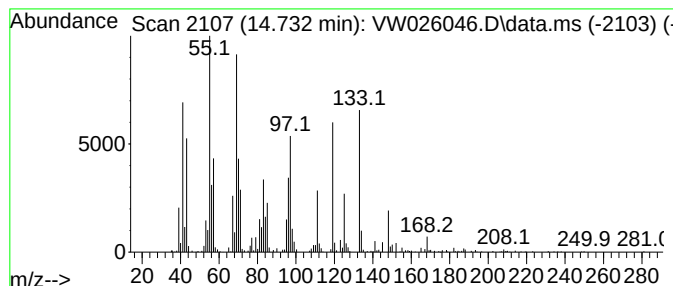
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	4.12 ug/L	278044	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 7-methyl-			168	C12H24	1000061-83-0	41
2	Cyclooctane, methyl-			126	C9H18	001502-38-1	38
3	Cyclohexane, 1,2,4,5-tetraethyl-...			196	C14H28	061142-24-3	35
4	Cyclohexane, (1,3-dimethylbutyl)-			168	C12H24	061142-19-6	25
5	1-Hexene, 3-methyl-			98	C7H14	003404-61-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

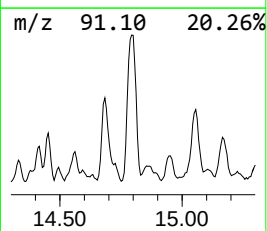
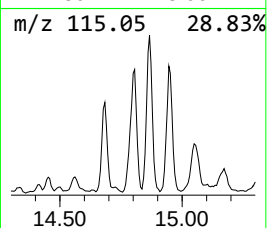
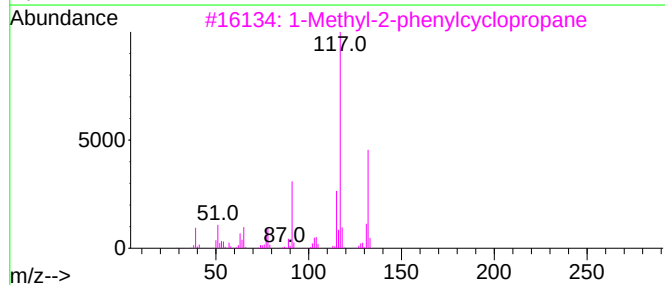
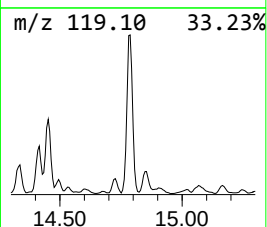
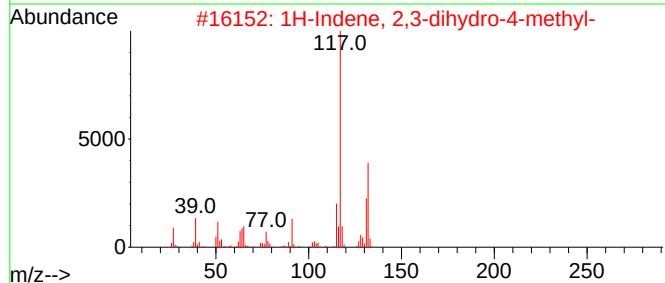
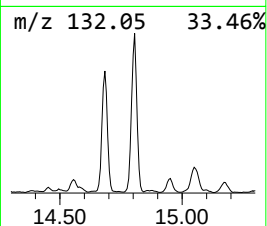
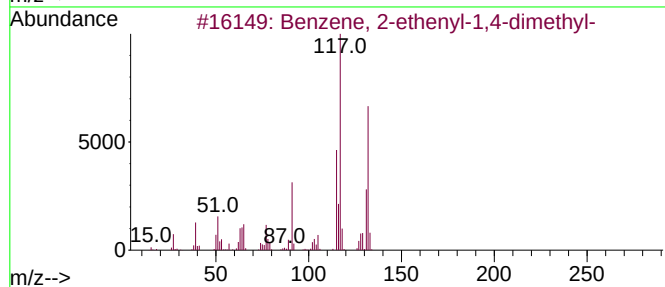
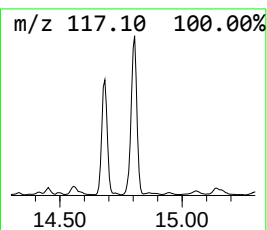
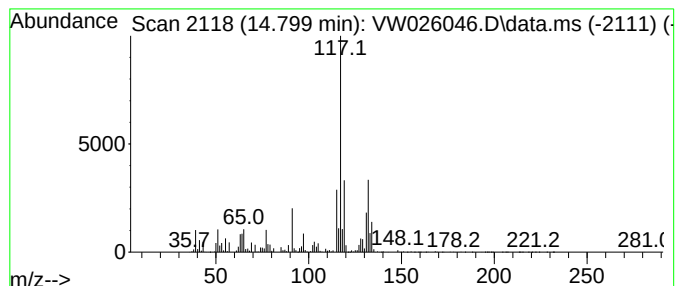
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Quant Title : SFAM01.0

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

Peak Number 35 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.800	46.91 ug/L	3168800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
5			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

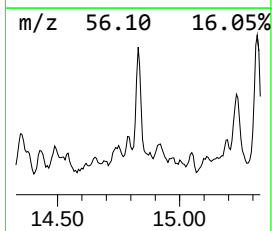
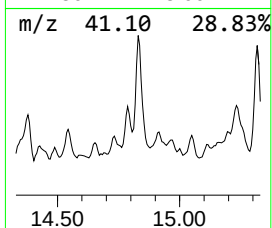
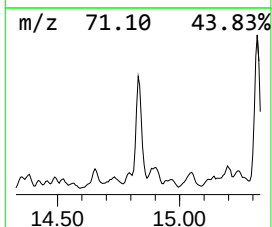
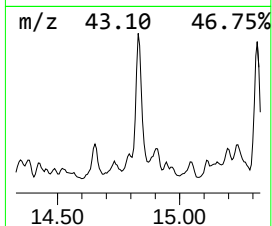
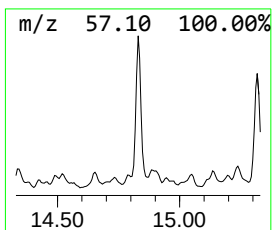
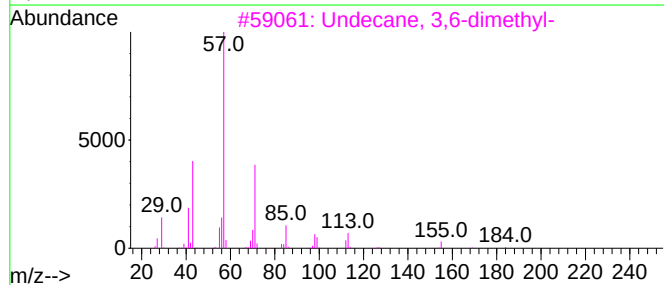
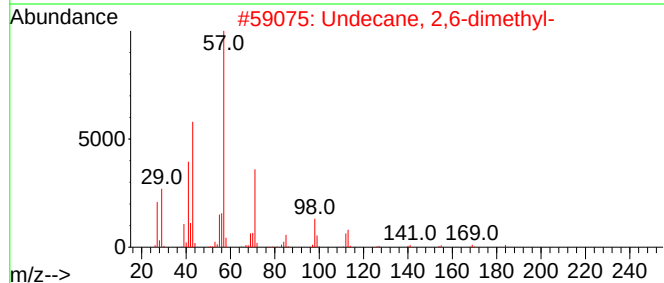
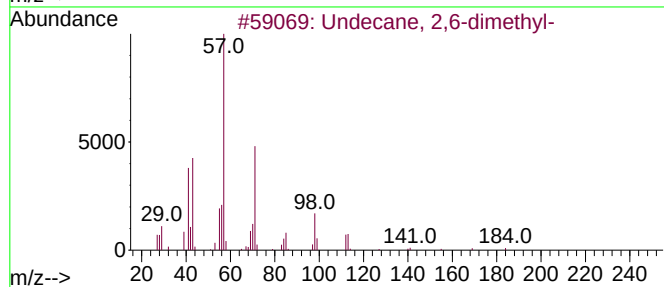
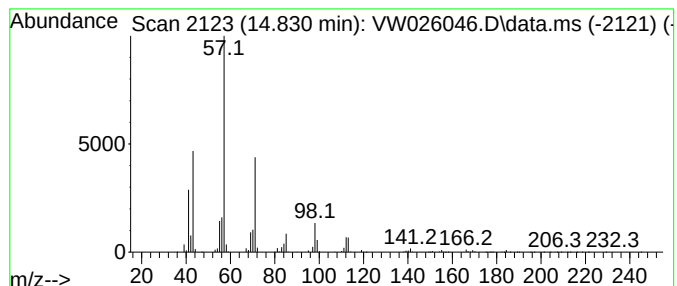
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	9.07 ug/L	612917	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5			Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

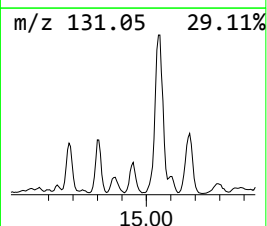
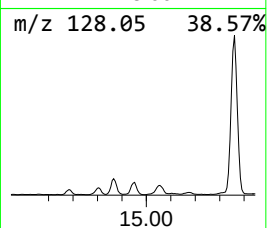
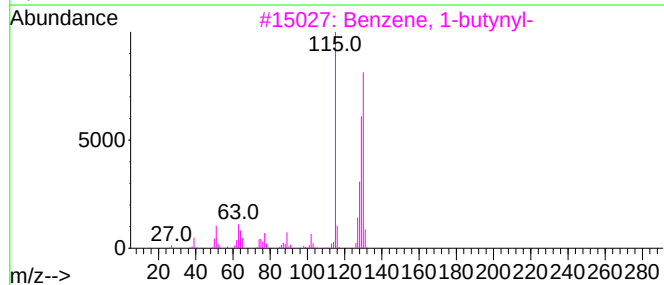
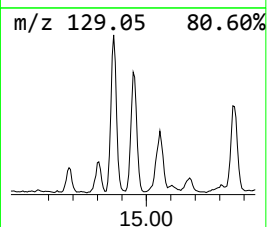
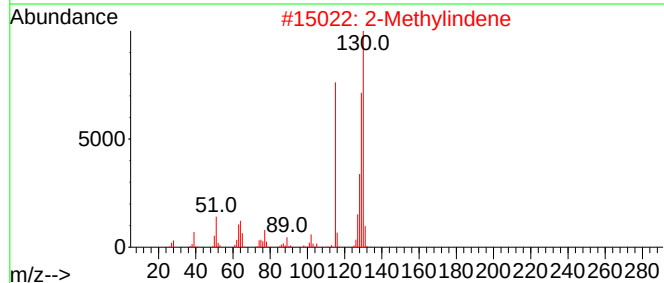
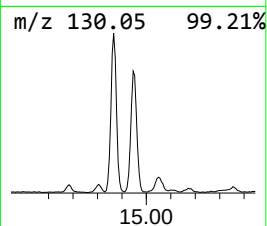
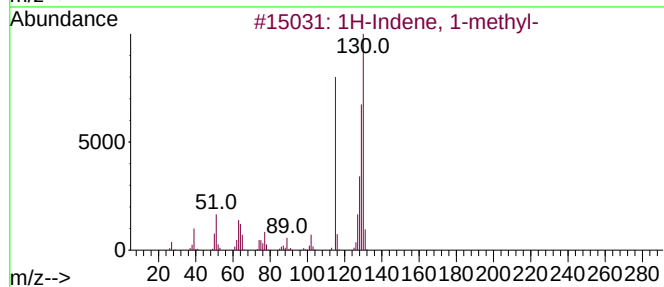
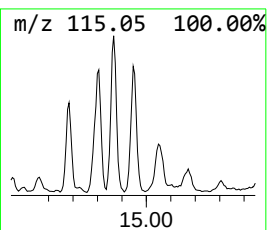
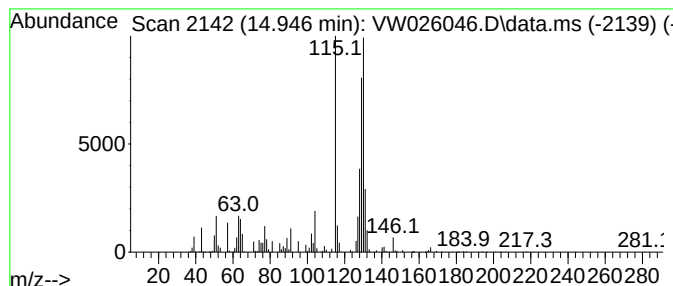
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Quant Title : SFAM01.0

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

Peak Number 37 1H-Indene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	17.57 ug/L	1186990	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2		2-Methylindene	130	C10H10	002177-47-1	94
3		Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
5		Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

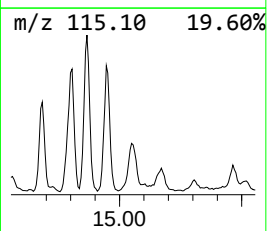
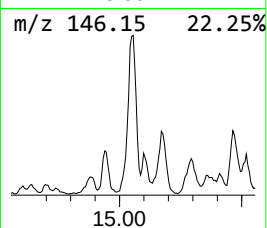
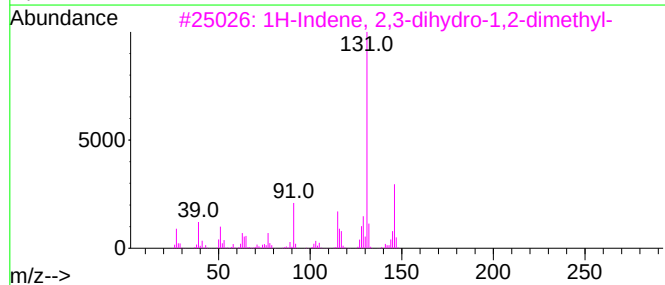
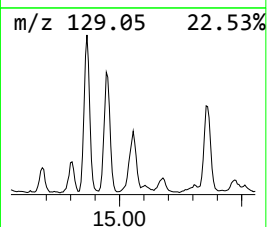
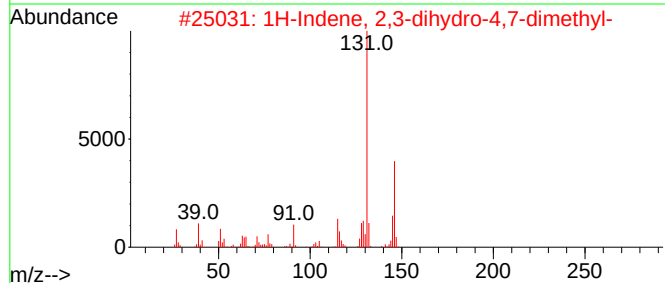
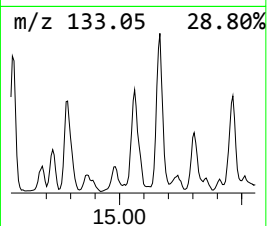
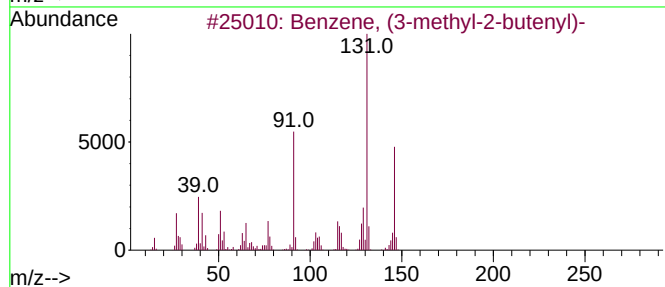
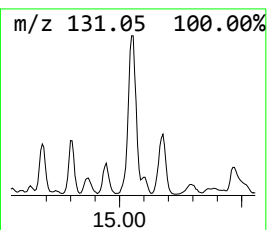
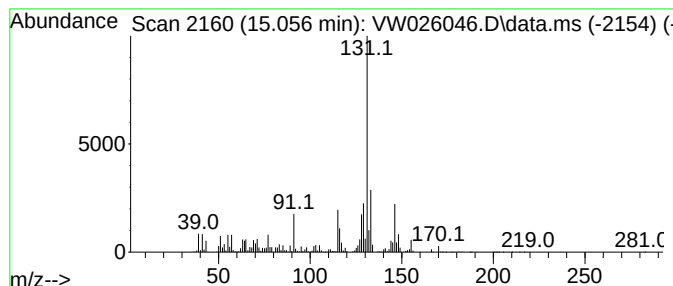
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Quant Title : SFAM01.0

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

Peak Number 38 Benzene, (3-methyl-2-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	20.43 ug/L	1379940	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

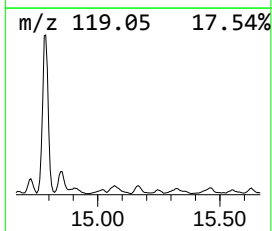
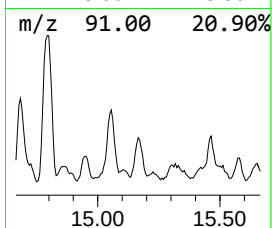
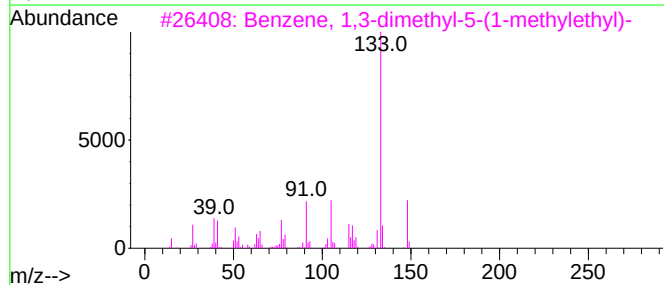
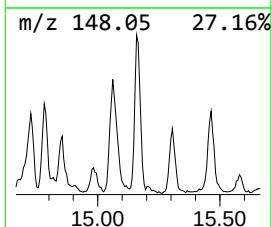
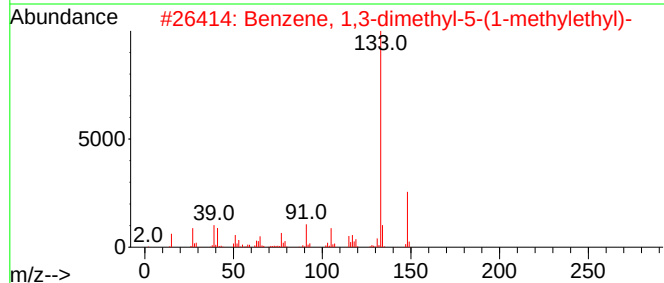
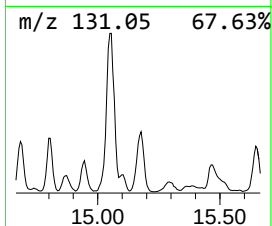
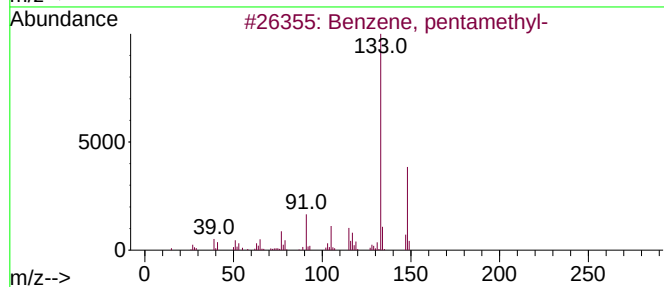
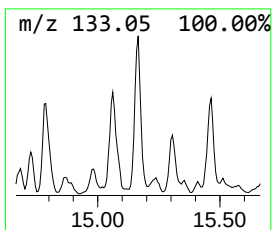
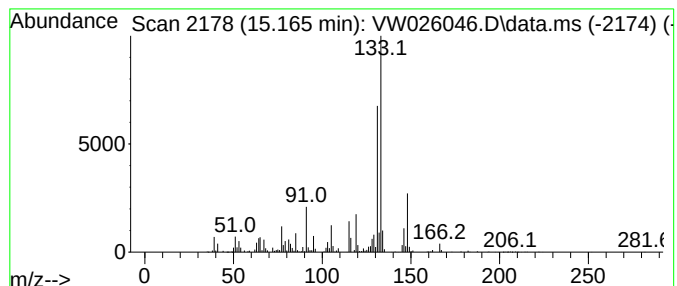
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Quant Title : SFAM01.0

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

Peak Number 39 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	9.83 ug/L	663698	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	49
2			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
3			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

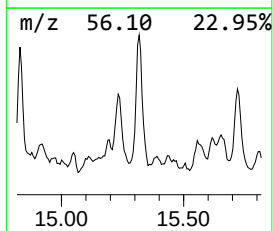
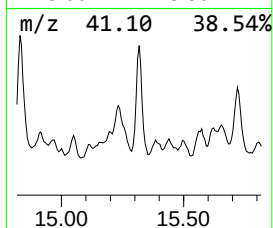
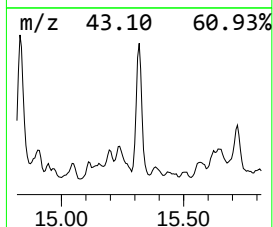
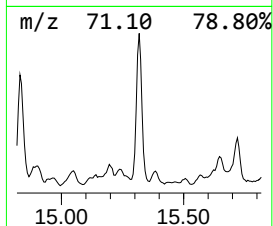
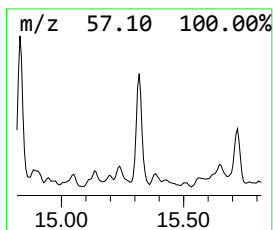
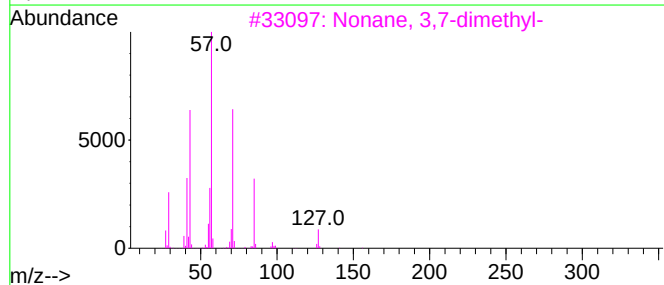
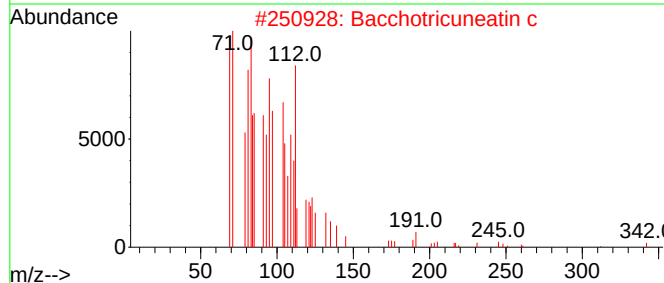
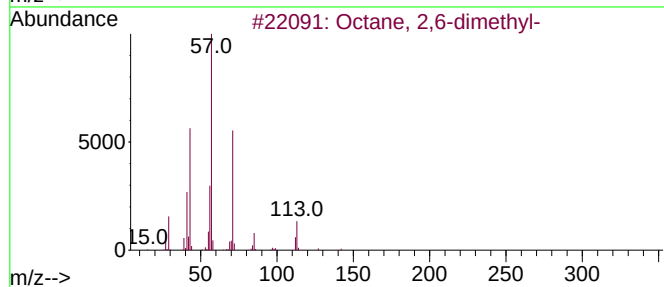
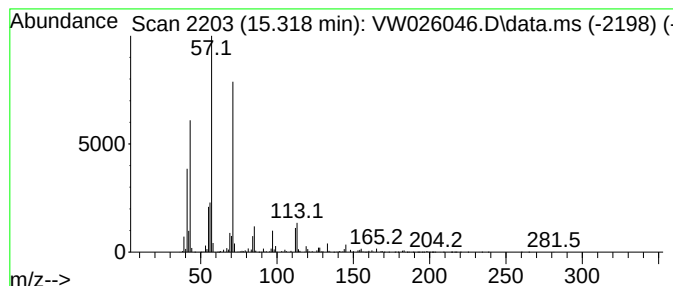
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	25.54 ug/L	1724990	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
4		2,4-Dimethyl-heptane-3,5-dione	156	C9H16O2	037484-68-7	53
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

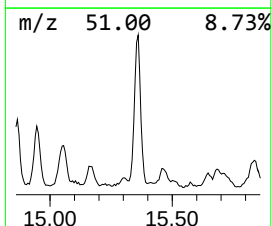
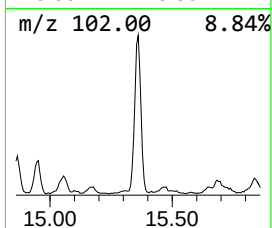
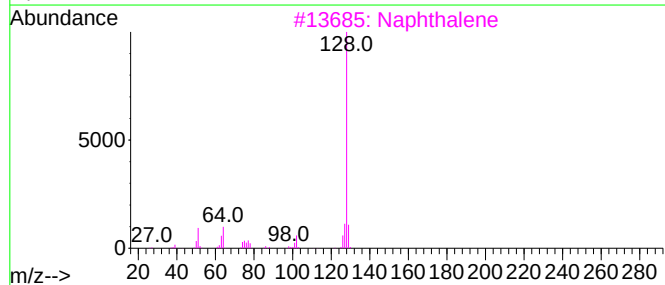
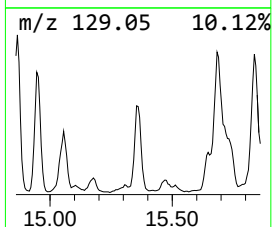
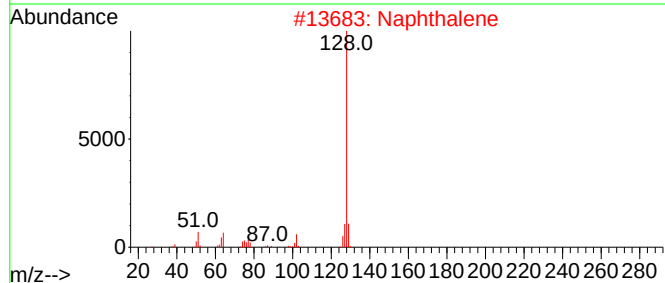
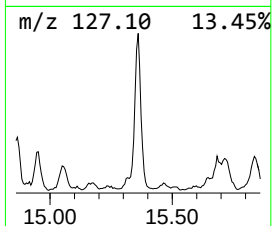
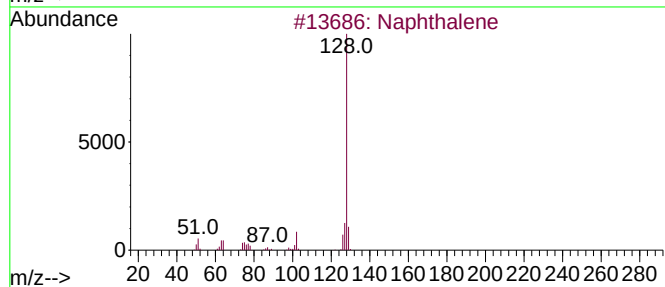
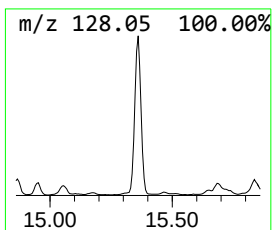
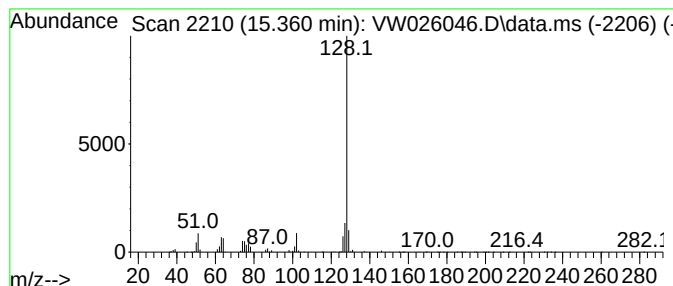
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Quant Title : SFAM01.0

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

Peak Number 41 Azulene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	26.32 ug/L	1778110	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	93
3			Naphthalene	128	C10H8	000091-20-3	93
4			Naphthalene	128	C10H8	000091-20-3	91
5			Azulene	128	C10H8	000275-51-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

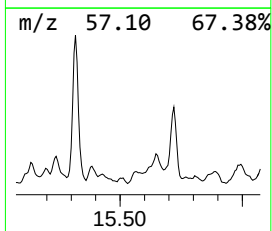
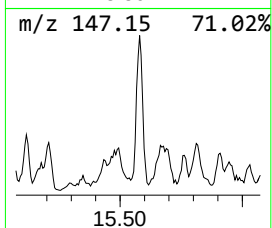
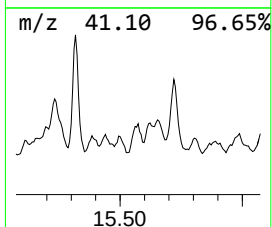
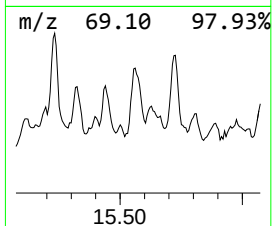
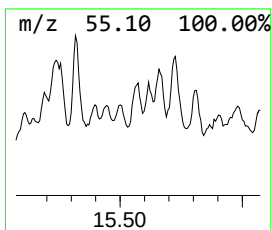
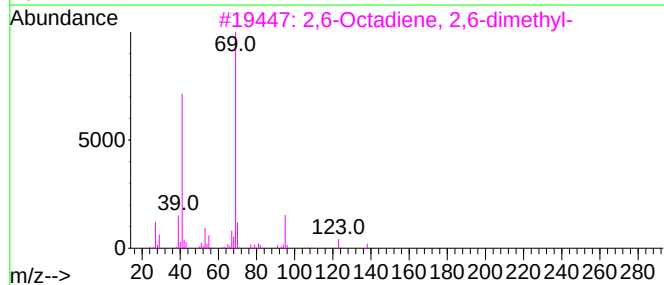
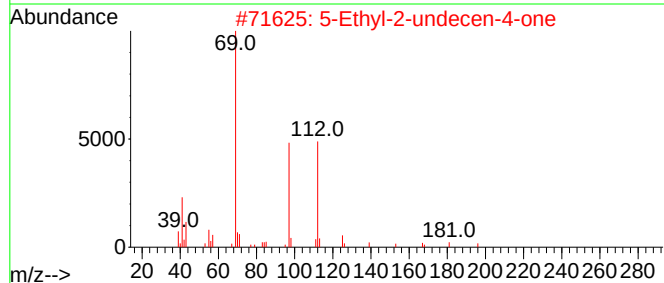
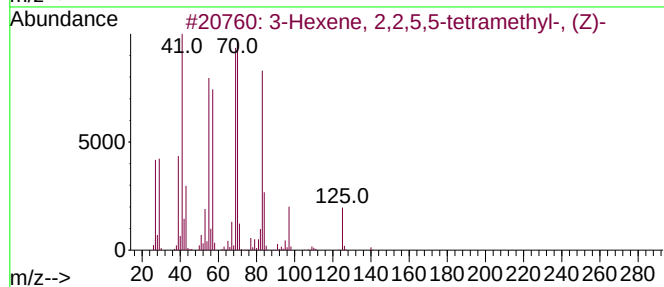
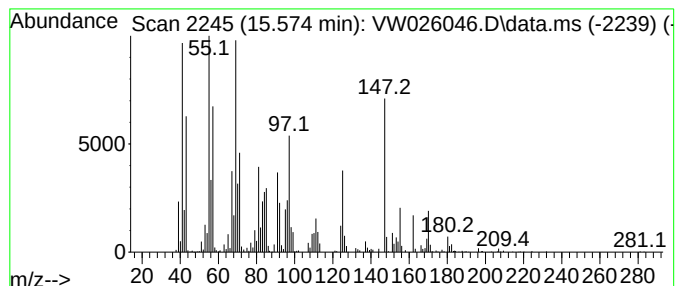
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.574	9.92 ug/L	670113	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	25		
2	5-Ethyl-2-undecen-4-one	196	C13H24O	1000374-14-1	22		
3	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	22		
4	Ethyl 2-(3-hydroxy-1H-pyrazol-4-...	170	C7H10N2O3	1000459-05-8	14		
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	11		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

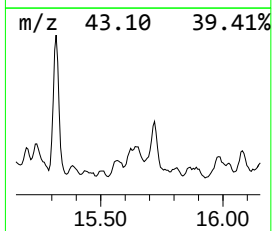
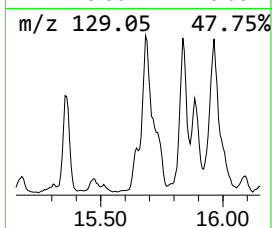
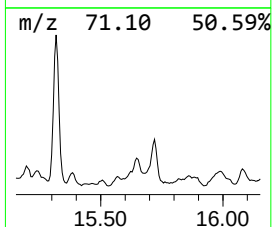
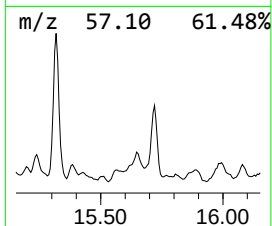
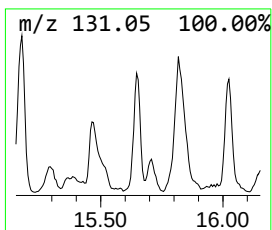
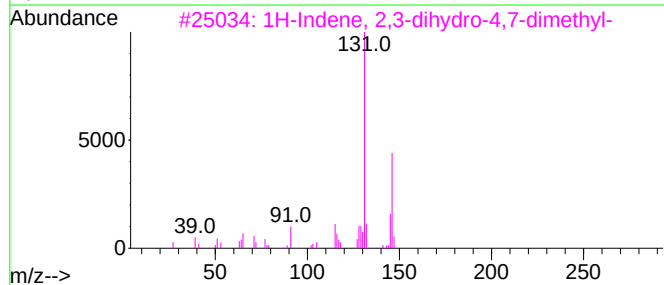
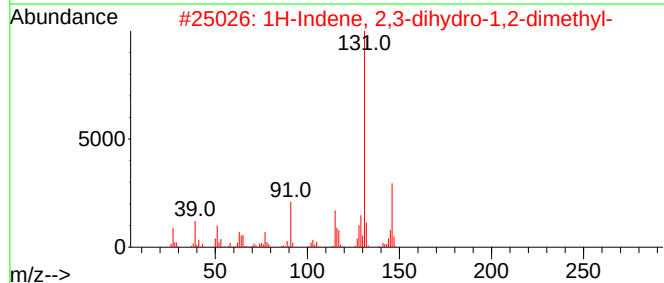
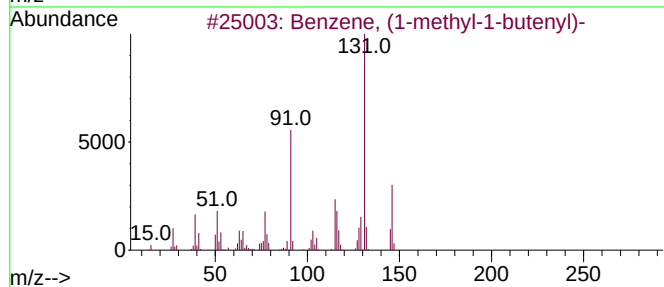
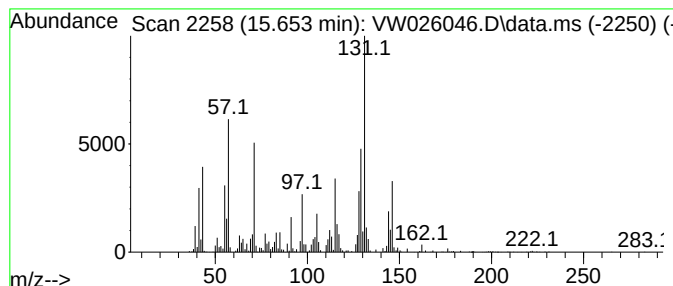
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, (1-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.653	22.55 ug/L	1523120	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

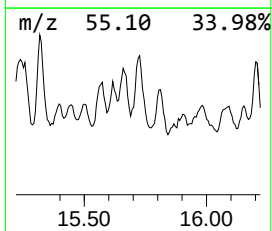
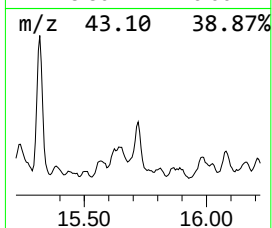
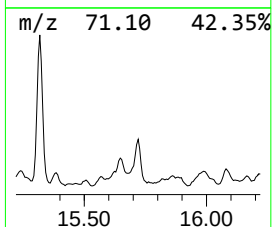
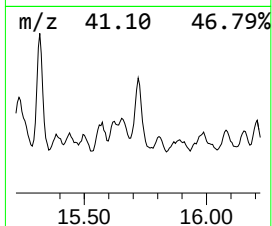
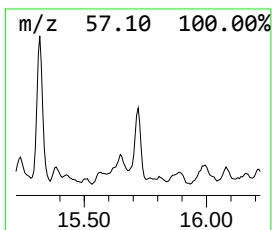
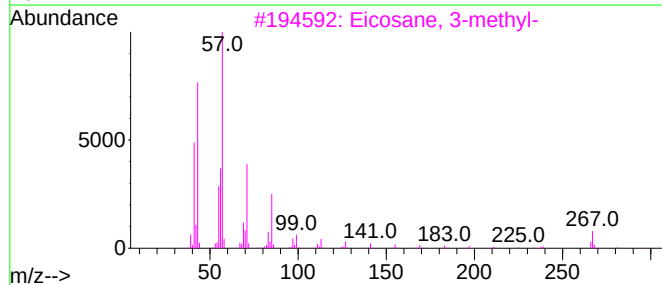
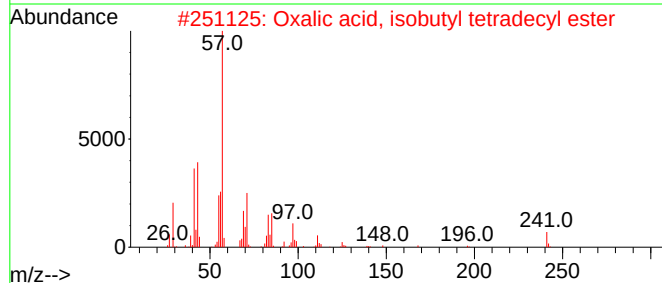
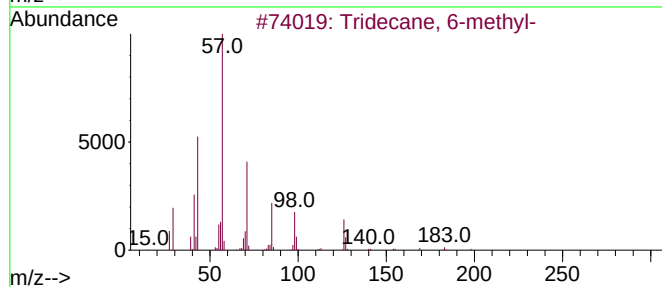
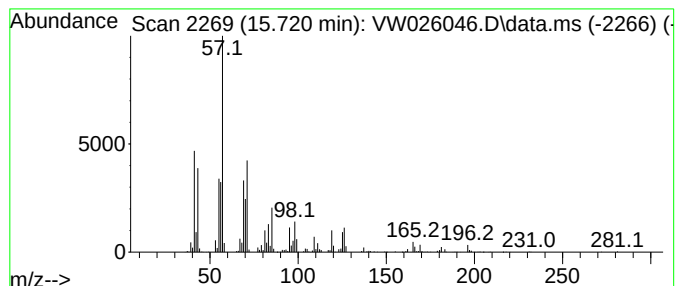
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	21.54 ug/L	1454910	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
2			Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	53
3			Eicosane, 3-methyl-	296	C21H44	006418-46-8	47
4			Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	43
5			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

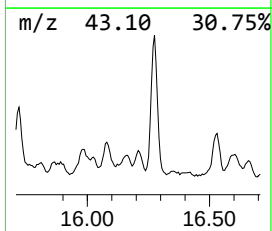
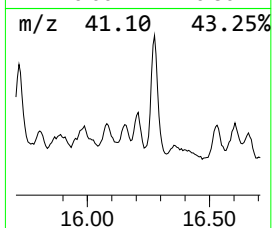
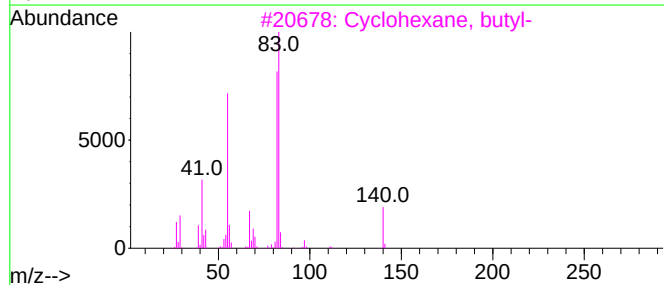
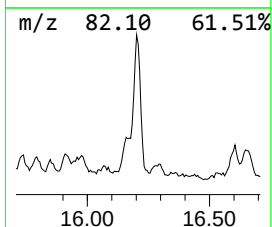
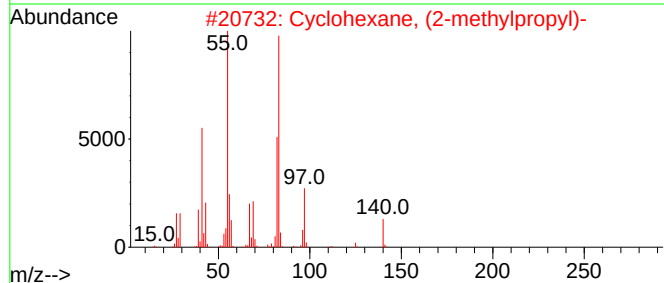
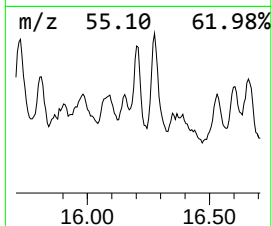
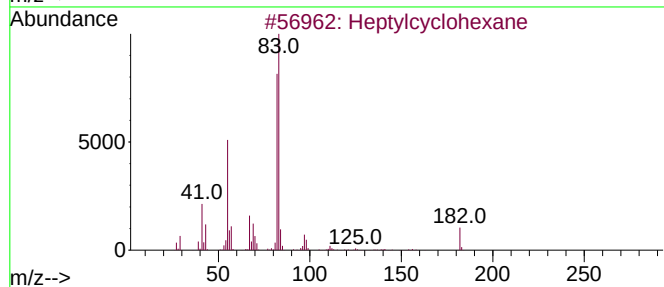
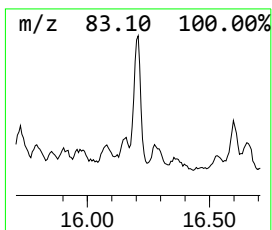
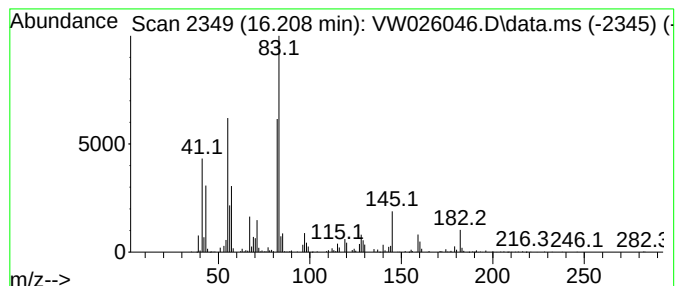
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Cyclic16.208 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.208	7.90 ug/L	533384	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	64
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	58
4			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	53
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

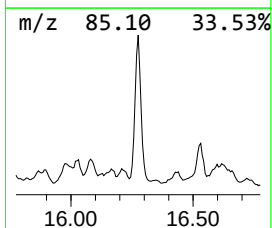
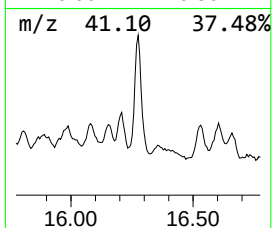
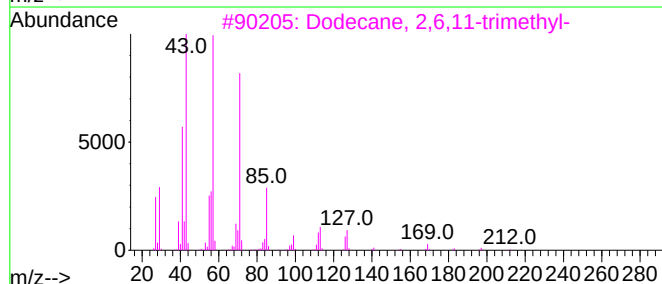
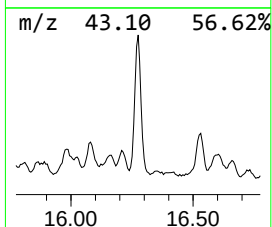
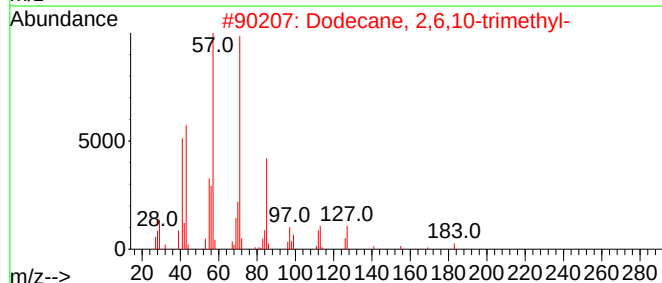
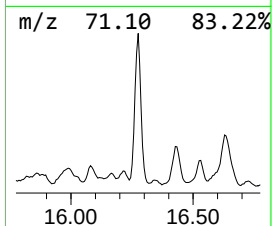
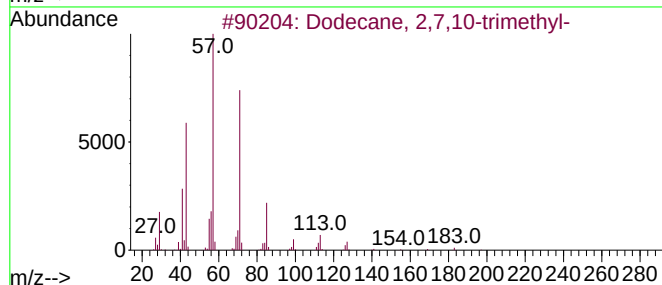
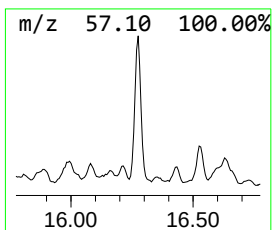
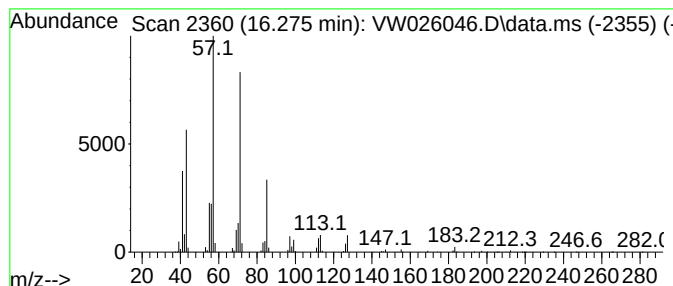
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	27.58 ug/L	1863290	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

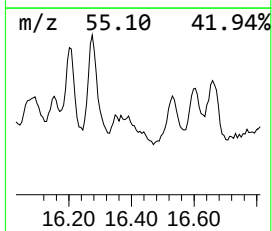
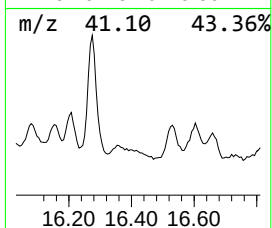
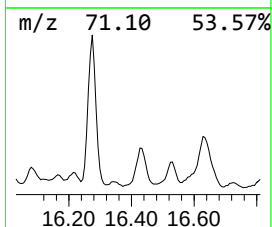
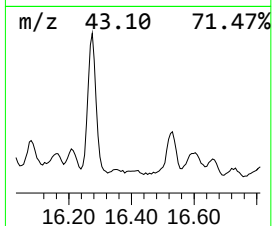
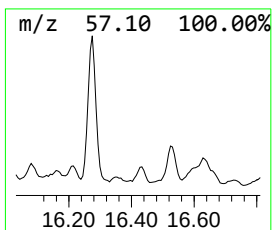
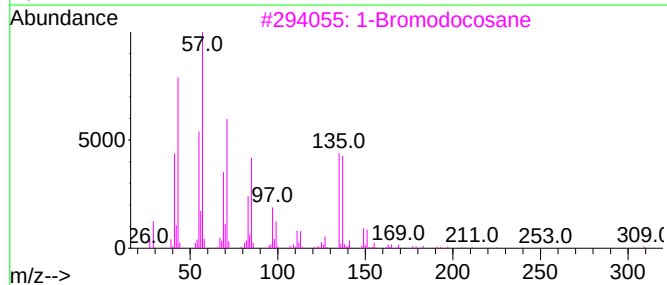
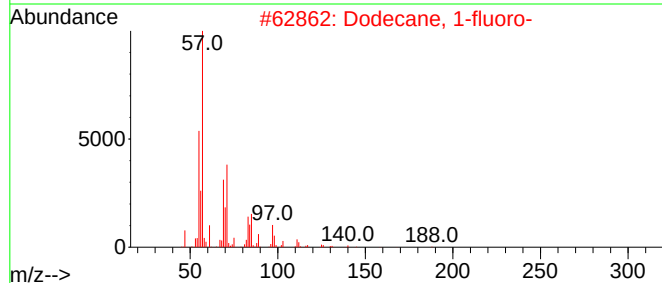
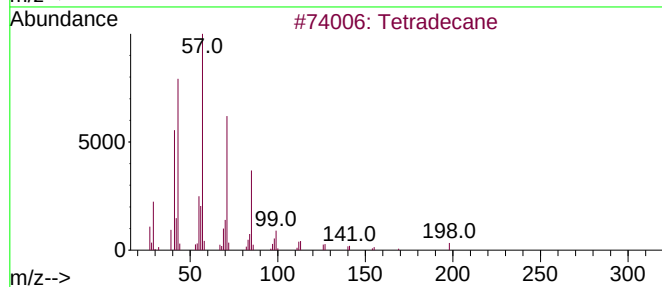
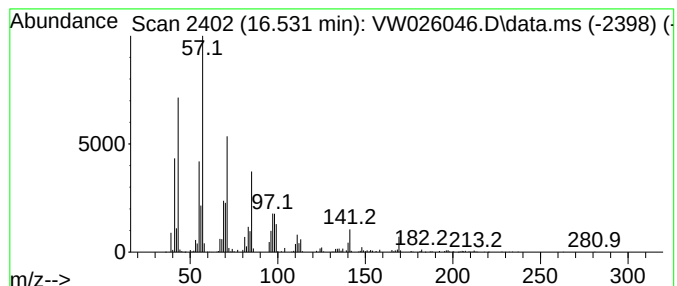
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.531	8.41 ug/L	568264	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	70
2		Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	68
3		1-Bromodocosane	388	C22H45Br	006938-66-5	64
4		Tridecane	184	C13H28	000629-50-5	53
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026046.D
Acq On : 25 May 2023 17:26
Operator : SY/MD
Sample : 02950-22
Misc : 3.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW998

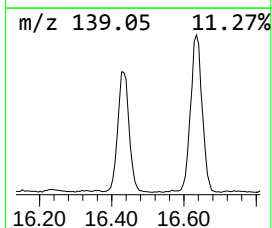
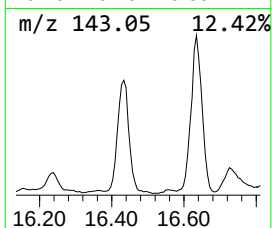
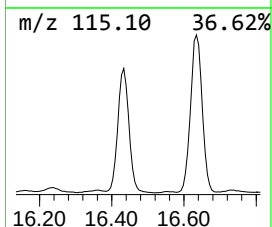
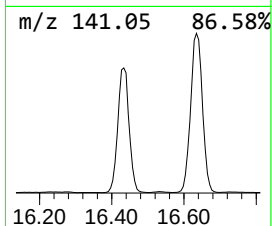
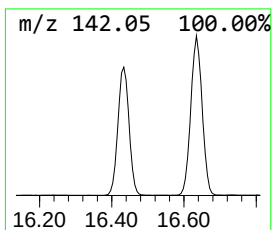
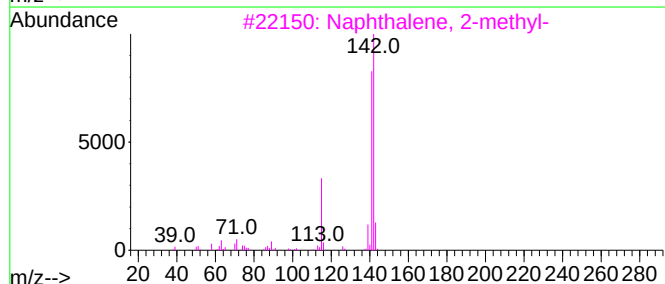
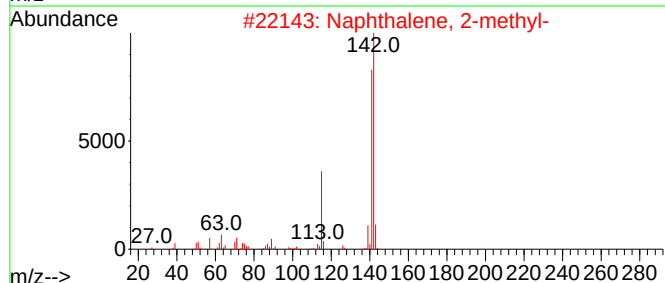
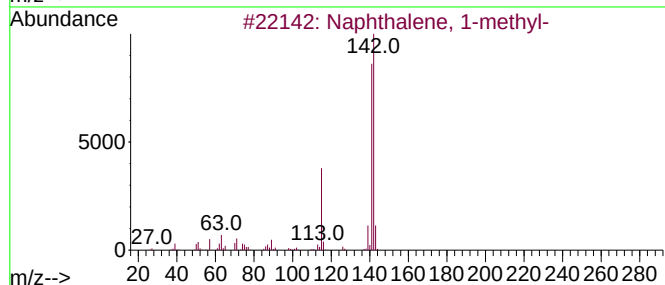
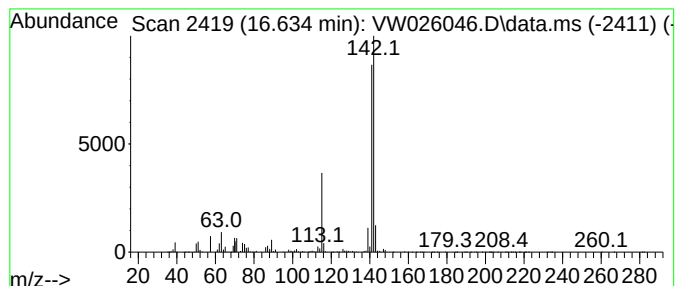
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Quant Title : SFAM01.0

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

Peak Number 49 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	97.60 ug/L	6592600	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026046.D
 Acq On : 25 May 2023 17:26
 Operator : SY/MD
 Sample : 02950-22
 Misc : 3.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW998

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.941	1.3	ug/L	127193	1	8.843	2461770	25.0
(DEL) Alkane: C...	10.502	2.2	ug/L	209557	2	11.629	2399700	25.0
(DEL) Alkane: C...	10.666	1.3	ug/L	127020	2	11.629	2399700	25.0
(DEL) Alkane: S...	11.032	2.2	ug/L	210697	2	11.629	2399700	25.0
(DEL) Alkane: C...	11.227	3.8	ug/L	360702	2	11.629	2399700	25.0
(DEL) Alkane: S...	11.331	1.5	ug/L	147437	2	11.629	2399700	25.0
(DEL) Alkane: C...	11.434	3.9	ug/L	378360	2	11.629	2399700	25.0
(DEL) Alkane: C...	11.812	1.4	ug/L	138627	2	11.629	2399700	25.0
(DEL) Alkane: C...	11.873	1.4	ug/L	134754	2	11.629	2399700	25.0
(DEL) Alkane: S...	11.971	1.9	ug/L	181695	2	11.629	2399700	25.0
(DEL) Alkane: S...	12.245	4.9	ug/L	473090	2	11.629	2399700	25.0
(DEL) Alkane: S...	12.361	16.2	ug/L	1551770	2	11.629	2399700	25.0
(DEL) Alkane: S...	12.775	8.1	ug/L	544528	3	13.556	1688710	25.0
Cyclopentane, 1...	12.855	6.3	ug/L	426732	3	13.556	1688710	25.0
Benzene, 1-ethy...	13.099	18.9	ug/L	1278870	3	13.556	1688710	25.0
(DEL) Alkane: S...	13.160	13.0	ug/L	880629	3	13.556	1688710	25.0
(DEL) Alkane: S...	13.342	4.1	ug/L	275409	3	13.556	1688710	25.0
p-Cymene	13.434	9.6	ug/L	647968	3	13.556	1688710	25.0
unknown-01	13.477	4.6	ug/L	308444	3	13.556	1688710	25.0
1-Hexanol, 2-et...	13.641	3.4	ug/L	226135	3	13.556	1688710	25.0
Benzene, 1,3-di...	13.714	11.3	ug/L	762368	3	13.556	1688710	25.0
(Z)-1-Phenylpro...	13.757	10.2	ug/L	690790	3	13.556	1688710	25.0
Benzene, 1-meth...	14.031	16.4	ug/L	1110810	3	13.556	1688710	25.0
Benzene, 4-ethy...	14.092	21.5	ug/L	1453600	3	13.556	1688710	25.0
Indan, 1-methyl-	14.202	31.6	ug/L	2134500	3	13.556	1688710	25.0
o-Cymene	14.342	9.3	ug/L	631874	3	13.556	1688710	25.0
Decalin, syn-1-...	14.379	11.8	ug/L	798364	3	13.556	1688710	25.0
Benzene, 1,2,4,...	14.415	4.9	ug/L	333559	3	13.556	1688710	25.0
Benzene, 1-ethy...	14.452	6.6	ug/L	444630	3	13.556	1688710	25.0
Benzene, 1,3-di...	14.489	2.5	ug/L	171935	3	13.556	1688710	25.0
1-Methyldecahyd...	14.543	10.8	ug/L	732338	3	13.556	1688710	25.0
Benzene, 2-ethe...	14.684	15.2	ug/L	1024120	3	13.556	1688710	25.0
(DEL) Alkane: S...	14.732	4.1	ug/L	278044	3	13.556	1688710	25.0
1H-Indene, 2,3-...	14.800	46.9	ug/L	3168800	3	13.556	1688710	25.0
(DEL) Alkane: S...	14.830	9.1	ug/L	612917	3	13.556	1688710	25.0
1H-Indene, 1-me...	14.946	17.6	ug/L	1186990	3	13.556	1688710	25.0
Benzene, (3-met...	15.056	20.4	ug/L	1379940	3	13.556	1688710	25.0
unknown-02	15.165	9.8	ug/L	663698	3	13.556	1688710	25.0
(DEL) Alkane: S...	15.318	25.5	ug/L	1724990	3	13.556	1688710	25.0
Azulene	15.360	26.3	ug/L	1778110	3	13.556	1688710	25.0
(DEL) Alkane: S...	15.574	9.9	ug/L	670113	3	13.556	1688710	25.0
Benzene, (1-met...	15.653	22.6	ug/L	1523120	3	13.556	1688710	25.0
(DEL) Alkane: S...	15.720	21.5	ug/L	1454910	3	13.556	1688710	25.0
(DEL) Alkane: C...	16.208	7.9	ug/L	533384	3	13.556	1688710	25.0
(DEL) Alkane: S...	16.275	27.6	ug/L	1863290	3	13.556	1688710	25.0
(DEL) Alkane: S...	16.531	8.4	ug/L	568264	3	13.556	1688710	25.0
1,4-Methanonaph...	16.634	97.6	ug/L	6592600	3	13.556	1688710	25.0