

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
 Data File : VW030176.D
 Acq On : 20 Sep 2024 15:38
 Operator : SY/MD
 Sample : P4024-05
 Misc : 10.14g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DDC36

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\SFAMWLM091624SMA.M
 Title : SFAM01.0

Signal : TIC: VW030176.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.996	336	346	359	rBV2	368808	1286256	1.47%	0.139%
2	4.124	359	367	380	rVB	237821	665412	0.76%	0.072%
3	5.782	624	639	655	rBV	2314413	7451722	8.54%	0.804%
4	6.898	807	822	832	rBV	5861871	16916567	19.38%	1.826%
5	7.172	859	867	884	rVB	145096	407727	0.47%	0.044%
6	7.648	935	945	965	rVB	231103	578578	0.66%	0.062%
7	7.928	979	991	1002	rBV3	132636	536370	0.61%	0.058%
8	8.276	1035	1048	1065	rVB2	956290	2632802	3.02%	0.284%
9	8.483	1076	1082	1091	rVV	117415	413522	0.47%	0.045%
10	8.697	1108	1117	1126	rBV	309760	645517	0.74%	0.070%
11	8.843	1133	1141	1161	rVB	601915	1260435	1.44%	0.136%
12	9.026	1162	1171	1177	rBV	726925	1484211	1.70%	0.160%
13	9.093	1177	1182	1189	rVB	327842	657390	0.75%	0.071%
14	9.276	1203	1212	1216	rBV2	313031	676087	0.77%	0.073%
15	9.337	1216	1222	1228	rVB	411510	838085	0.96%	0.090%
16	9.898	1302	1314	1319	rBV	161885	390175	0.45%	0.042%
17	10.093	1341	1346	1359	rVB	255099	541020	0.62%	0.058%
18	10.318	1377	1383	1388	rBV	720803	1363737	1.56%	0.147%
19	10.385	1388	1394	1400	rVB	851567	1553543	1.78%	0.168%
20	10.501	1405	1413	1420	rVB3	737682	1705477	1.95%	0.184%
21	10.861	1465	1472	1478	rBV	3046863	5363523	6.14%	0.579%
22	10.934	1478	1484	1493	rVB2	801675	1502362	1.72%	0.162%
23	11.038	1495	1501	1503	rBV	289846	506818	0.58%	0.055%
24	11.111	1509	1513	1518	rBV4	272365	490035	0.56%	0.053%
25	11.178	1518	1524	1528	rVV	928665	1480058	1.70%	0.160%
26	11.233	1528	1533	1538	rVB	914025	1691210	1.94%	0.183%
27	11.336	1545	1550	1555	rBV3	1074580	1823726	2.09%	0.197%
28	11.409	1555	1562	1573	rVB3	2976439	6745539	7.73%	0.728%
29	11.513	1573	1579	1584	rBV	2761214	4627364	5.30%	0.499%
30	11.629	1594	1598	1600	rBV	344208	520869	0.60%	0.056%
31	11.726	1607	1614	1619	rBV	4508074	7835919	8.98%	0.846%
32	11.775	1619	1622	1623	rVV2	362168	440919	0.51%	0.048%
33	11.836	1623	1632	1641	rVV2	22103391	44961684	51.51%	4.853%
34	11.915	1641	1645	1650	rVB3	1788658	3291566	3.77%	0.355%
35	11.976	1650	1655	1661	rBV4	241478	530396	0.61%	0.057%
36	12.056	1661	1668	1673	rBV4	669183	1456834	1.67%	0.157%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Title : SFAM01.0

37	12.159	1673	1685	1693	rBV2	6086695	16364205	18.75%	1.766%
38	12.251	1693	1700	1704	rVB2	2380596	4175105	4.78%	0.451%
39	12.300	1704	1708	1710	rBV2	771665	1262857	1.45%	0.136%
40	12.336	1710	1714	1716	rBV3	1827017	2908360	3.33%	0.314%
41	12.458	1729	1734	1739	rBV	6647033	10487672	12.02%	1.132%
42	12.537	1740	1747	1749	rBV4	1349779	2368433	2.71%	0.256%
43	12.568	1749	1752	1756	rVB	2829338	4112088	4.71%	0.444%
44	12.617	1756	1760	1762	rBV2	439740	647631	0.74%	0.070%
45	12.653	1762	1766	1770	rBV	1975588	2632166	3.02%	0.284%
46	12.702	1770	1774	1779	rVB3	1467863	2283758	2.62%	0.246%
47	12.799	1779	1790	1795	rBV	13377977	24895682	28.52%	2.687%
48	12.867	1795	1801	1805	rBV2	35130908	73680127	84.41%	7.952%
49	12.903	1805	1807	1810	rVV	22591767	31186078	35.73%	3.366%
50	12.946	1810	1814	1820	rVB	31306338	56649811	64.90%	6.114%
51	12.995	1820	1822	1825	rVB2	894921	945517	1.08%	0.102%
52	13.037	1825	1829	1832	rVB	905479	1155192	1.32%	0.125%
53	13.104	1832	1840	1846	rBV	12170681	21577495	24.72%	2.329%
54	13.165	1846	1850	1854	rBV2	1761950	2577712	2.95%	0.278%
55	13.257	1858	1865	1875	rVB2	41369989	87285539	100.00%	9.420%
56	13.379	1875	1885	1889	rBV3	3358475	7832238	8.97%	0.845%
57	13.446	1889	1896	1902	rBV3	8483089	21840654	25.02%	2.357%
58	13.586	1910	1919	1924	rBV	23392463	39996803	45.82%	4.317%
59	13.647	1924	1929	1934	rVB2	6634518	10373234	11.88%	1.120%
60	13.714	1934	1940	1942	rBV	8142856	12083637	13.84%	1.304%
61	13.751	1942	1946	1949	rVV2	11442015	19254390	22.06%	2.078%
62	13.787	1949	1952	1962	rVB3	14832942	30092786	34.48%	3.248%
63	13.879	1962	1967	1973	rBV2	6583510	11409877	13.07%	1.231%
64	13.946	1973	1978	1983	rBV	11232778	16729014	19.17%	1.806%
65	14.007	1983	1988	1991	rBV	12645624	21623690	24.77%	2.334%
66	14.037	1991	1993	1997	rVB	10780118	13260967	15.19%	1.431%
67	14.092	1997	2002	2009	rVB	11947595	18861073	21.61%	2.036%
68	14.202	2009	2020	2025	rBV3	6365184	12660804	14.51%	1.366%
69	14.250	2025	2028	2036	rVB6	1075489	2984891	3.42%	0.322%
70	14.336	2036	2042	2046	rBV2	6039893	10170078	11.65%	1.098%
71	14.391	2046	2051	2053	rBV2	4040469	6778614	7.77%	0.732%
72	14.452	2058	2061	2066	rBV2	4910968	8143028	9.33%	0.879%
73	14.531	2071	2074	2077	rBV2	632572	715217	0.82%	0.077%
74	14.561	2077	2079	2083	rVB	1026897	1147829	1.32%	0.124%
75	14.622	2083	2089	2094	rBV2	1588890	3440632	3.94%	0.371%
76	14.683	2094	2099	2102	rBV4	2091388	4068370	4.66%	0.439%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Title : SFAM01.0

77	14.720	2102	2105	2108	rVB	1713878	2203389	2.52%	0.238%
78	14.787	2108	2116	2124	rVB5	6430899	18731505	21.46%	2.022%
79	14.848	2124	2126	2130	rVB2	326199	374888	0.43%	0.040%
80	14.897	2130	2134	2137	rBV2	773377	1067566	1.22%	0.115%
81	14.945	2137	2142	2149	rVB2	4704471	8573491	9.82%	0.925%
82	15.031	2149	2156	2160	rBV4	3063884	6649725	7.62%	0.718%
83	15.128	2165	2172	2185	rVB4	24006975	64171663	73.52%	6.926%
84	15.226	2185	2188	2192	rBV2	477468	701475	0.80%	0.076%
85	15.360	2198	2210	2216	rBV2	5154848	15116124	17.32%	1.631%
86	15.470	2216	2228	2234	rVV7	2295477	6847825	7.85%	0.739%
87	15.537	2234	2239	2244	rVV6	1315206	3016674	3.46%	0.326%
88	15.579	2244	2246	2249	rVV2	595555	771050	0.88%	0.083%
89	15.634	2249	2255	2263	rVB2	11742406	22489317	25.77%	2.427%
90	15.695	2263	2265	2271	rVB3	325202	497815	0.57%	0.054%
91	15.756	2271	2275	2278	rBV3	586067	947057	1.09%	0.102%
92	15.811	2278	2284	2289	rBV3	4566055	7597127	8.70%	0.820%
93	15.945	2300	2306	2310	rBV2	1476848	2954664	3.39%	0.319%
94	15.994	2311	2314	2321	rVV3	656511	1450194	1.66%	0.157%
95	16.067	2322	2326	2334	rVB2	784541	1551800	1.78%	0.167%
96	16.165	2335	2342	2357	rBV5	465525	1154806	1.32%	0.125%
97	16.317	2358	2367	2371	rBV5	652713	1621402	1.86%	0.175%
98	16.433	2379	2386	2396	rVB	3381677	7205647	8.26%	0.778%
99	16.524	2396	2401	2410	rVV3	337531	789105	0.90%	0.085%
100	16.634	2411	2419	2434	rVB	1770399	4135541	4.74%	0.446%

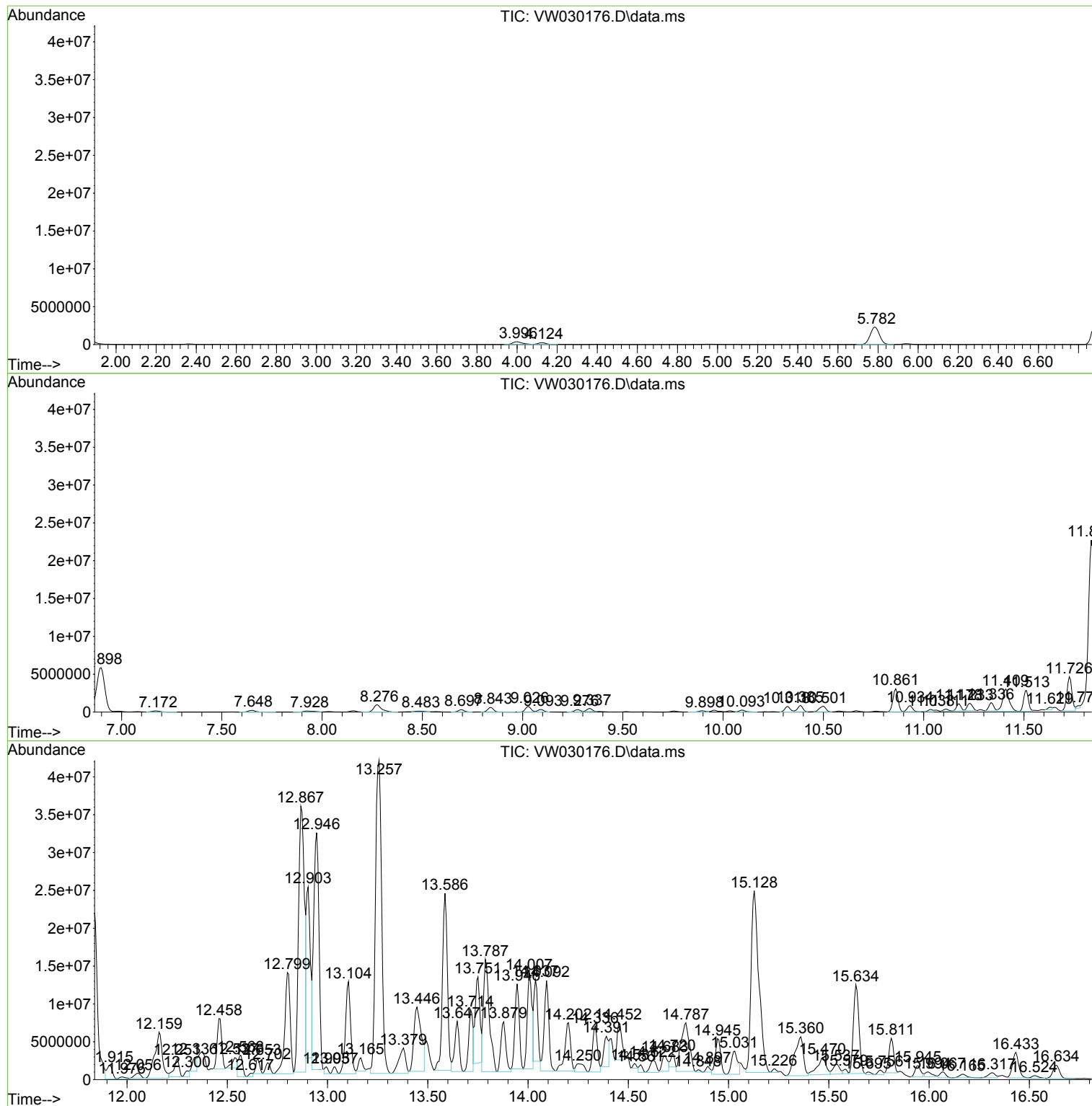
Sum of corrected areas: 926556559

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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DDC36

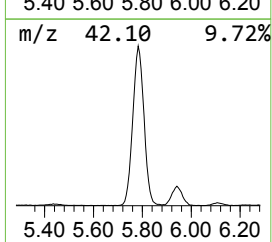
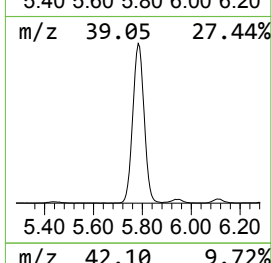
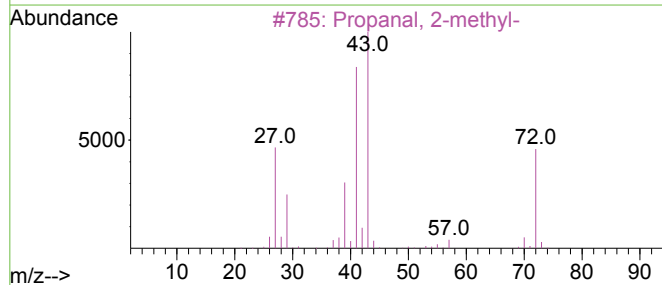
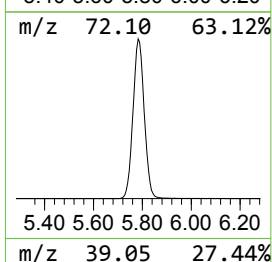
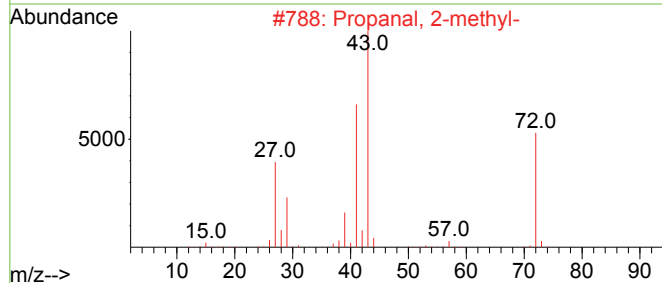
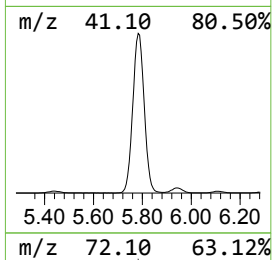
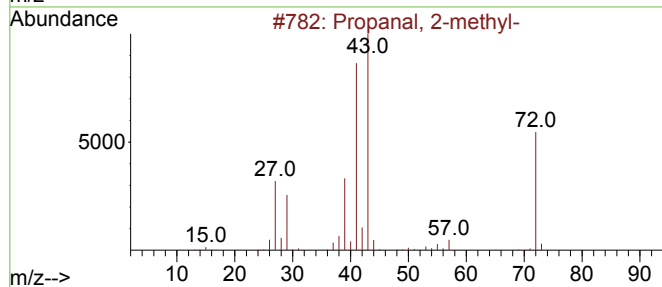
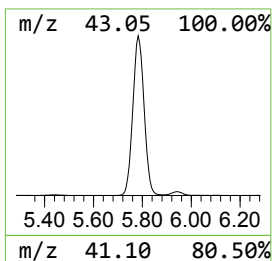
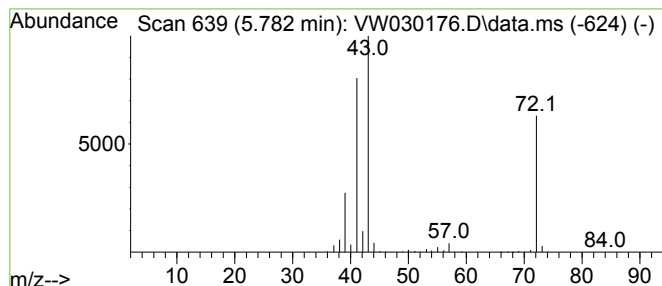
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Propanal, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.782	147.80 ug/L	7451720	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91		
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90		
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86		
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	72		
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	58		



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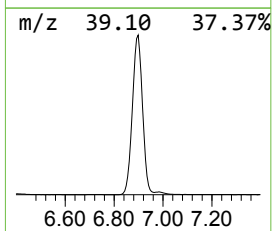
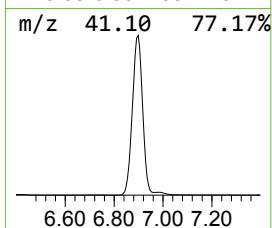
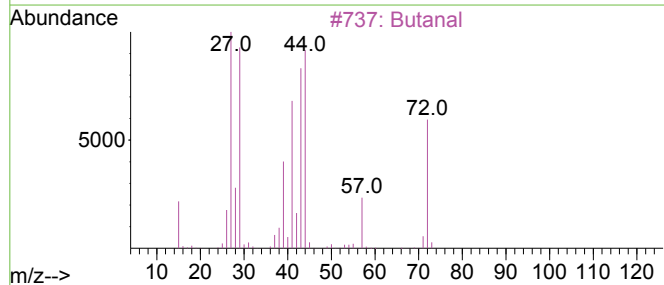
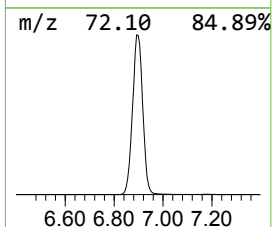
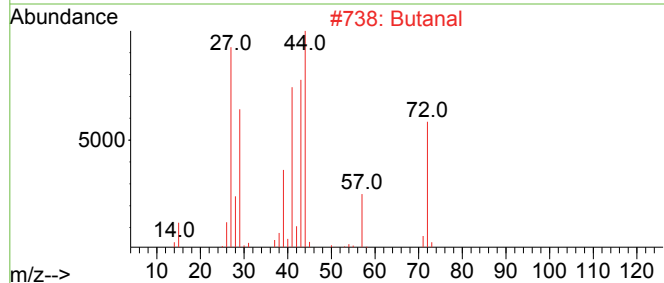
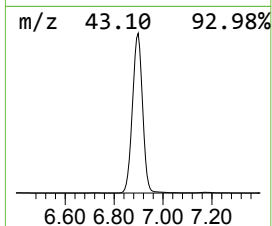
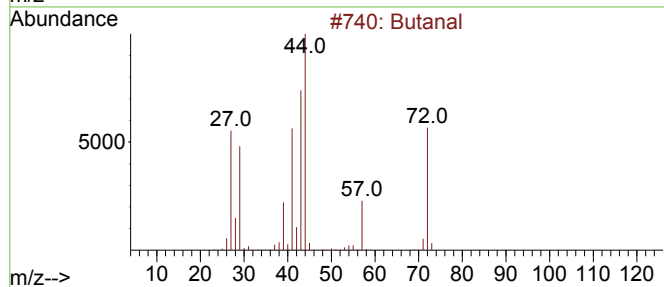
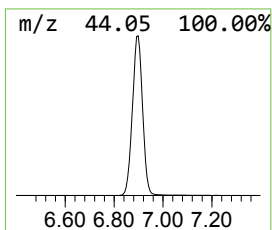
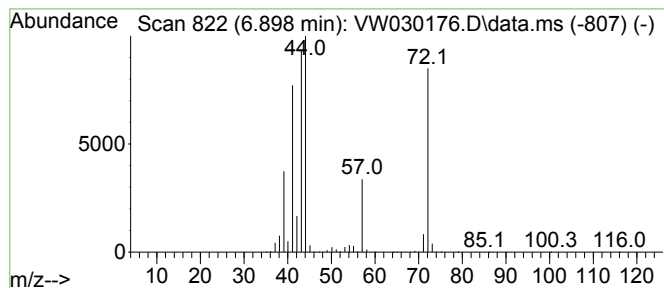
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.898	335.53 ug/L	16916600	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal			72	C4H8O	000123-72-8	91
2	Butanal			72	C4H8O	000123-72-8	91
3	Butanal			72	C4H8O	000123-72-8	91
4	Butanal			72	C4H8O	000123-72-8	91
5	Butanal			72	C4H8O	000123-72-8	90



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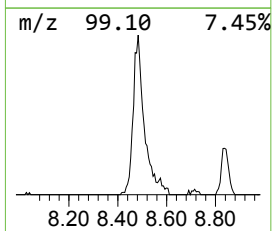
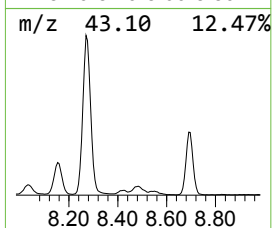
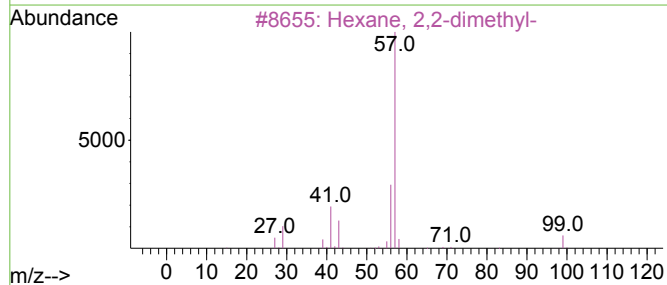
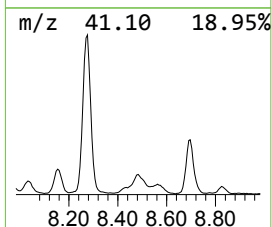
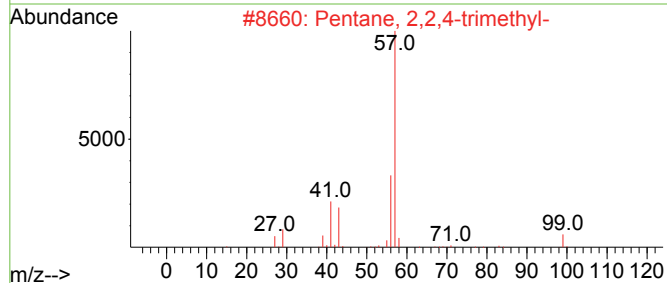
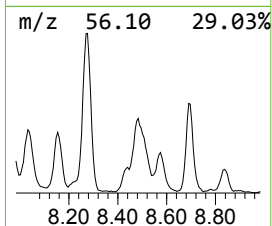
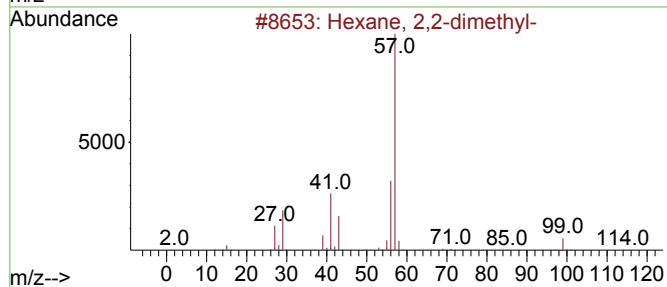
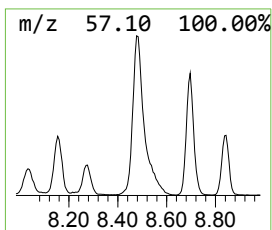
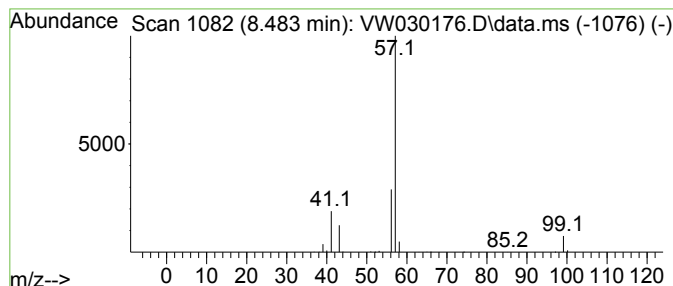
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.483	8.20 ug/L	413522	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

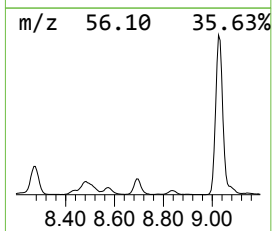
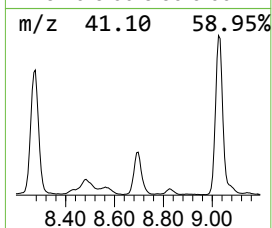
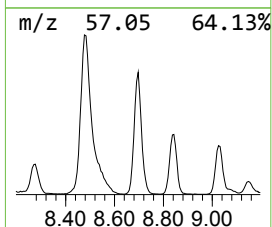
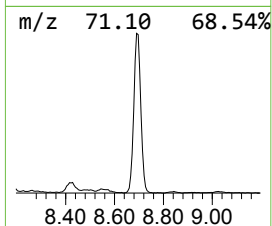
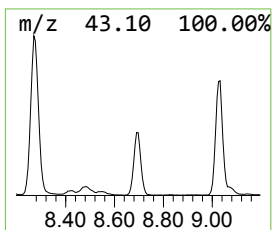
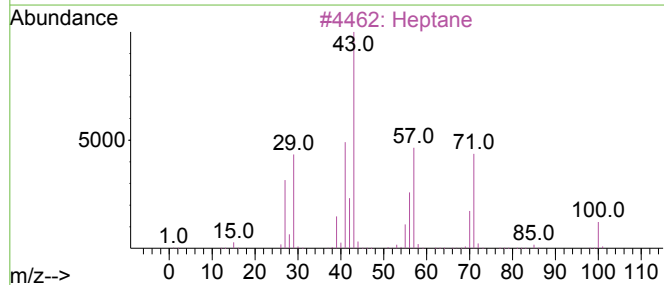
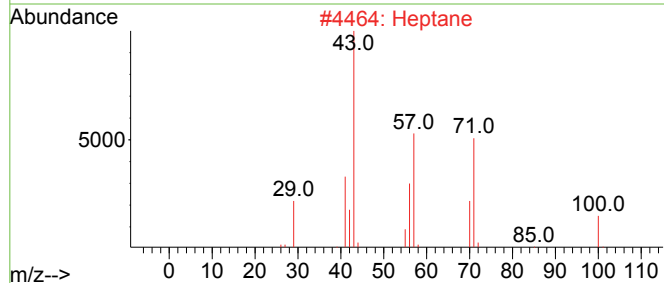
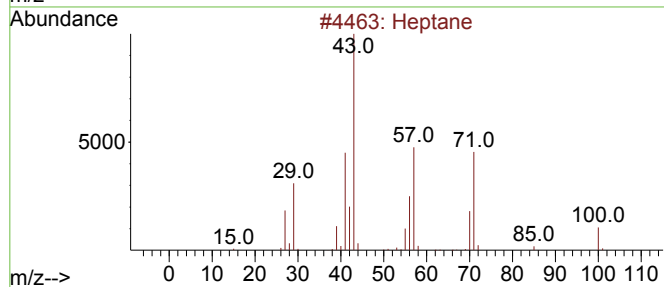
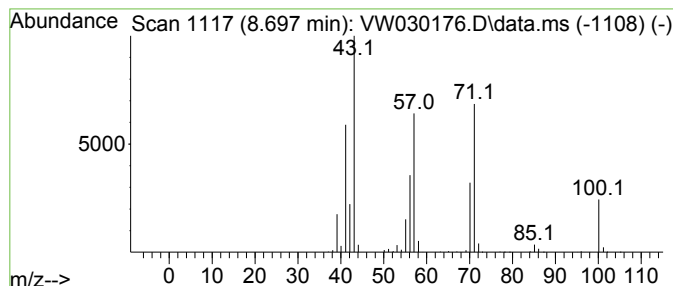
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.697	12.80 ug/L	645517	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	81
3	Heptane	100	C7H16	000142-82-5	62
4	Heptane	100	C7H16	000142-82-5	58
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

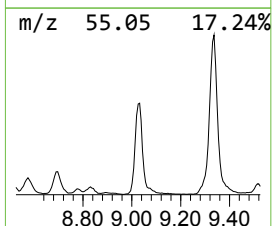
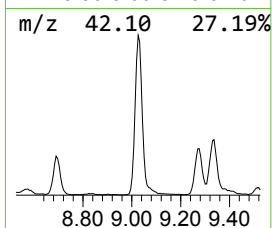
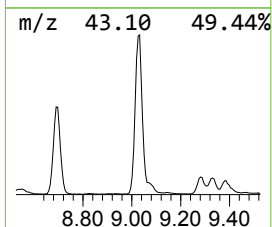
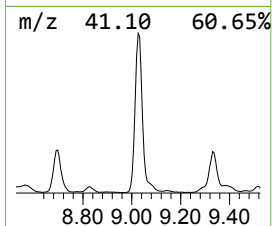
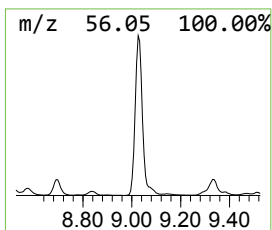
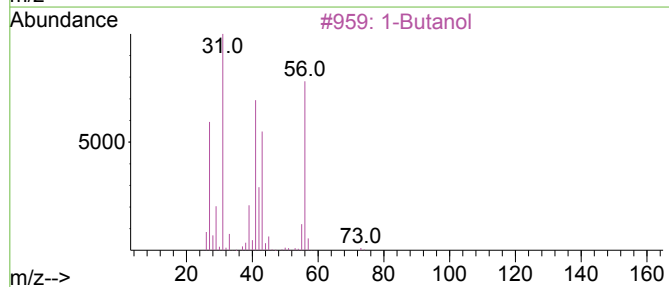
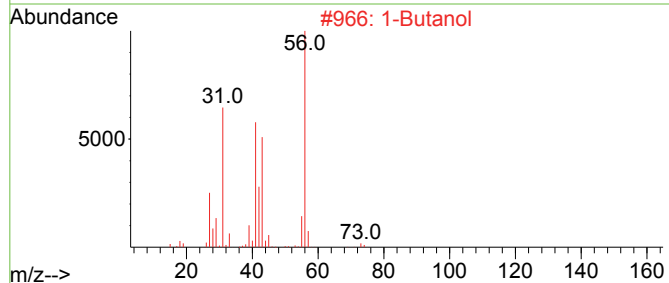
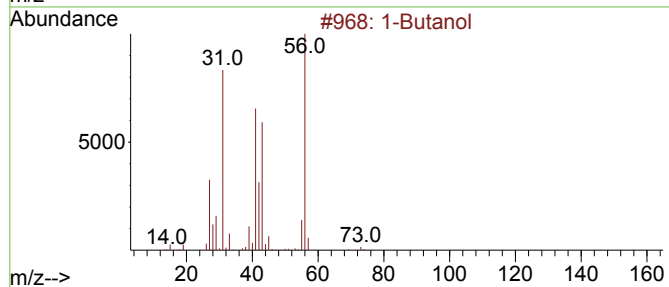
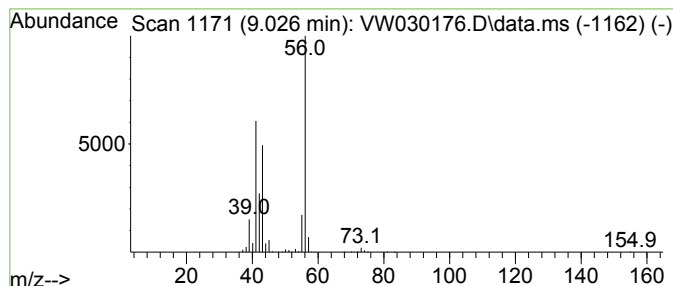
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Quant Title : SFAM01.0

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

Peak Number 5 1-Butanol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.026	29.44 ug/L	1484210	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol			74	C4H10O	000071-36-3	91
2	1-Butanol			74	C4H10O	000071-36-3	90
3	1-Butanol			74	C4H10O	000071-36-3	86
4	1-Butanol			74	C4H10O	000071-36-3	52
5	1-Butanol			74	C4H10O	000071-36-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

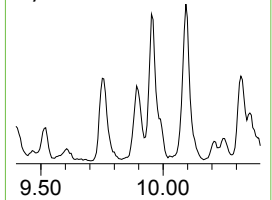
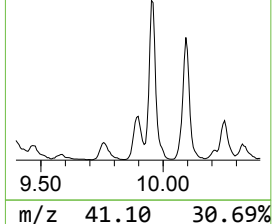
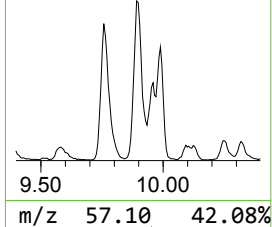
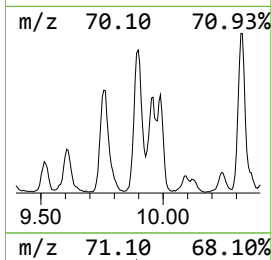
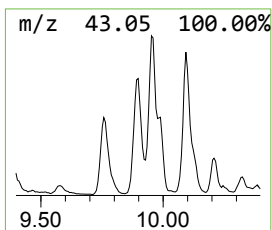
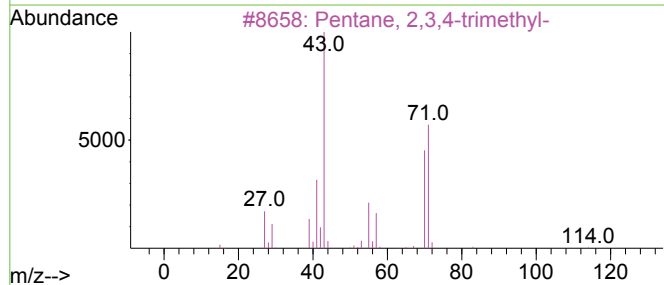
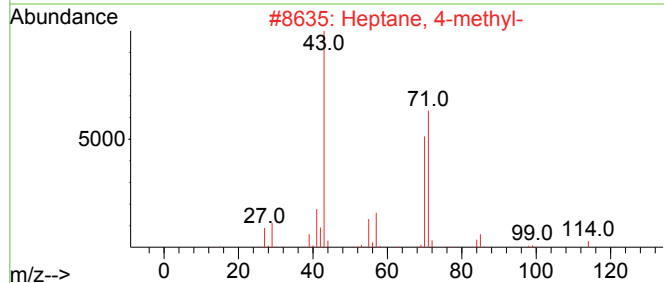
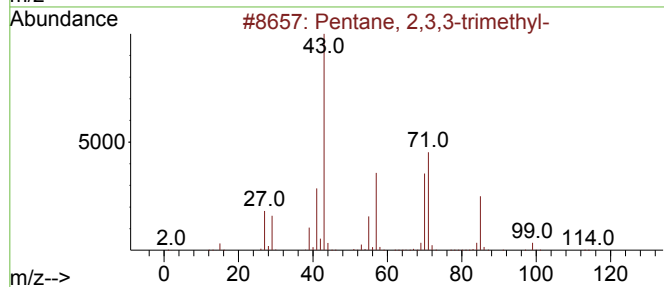
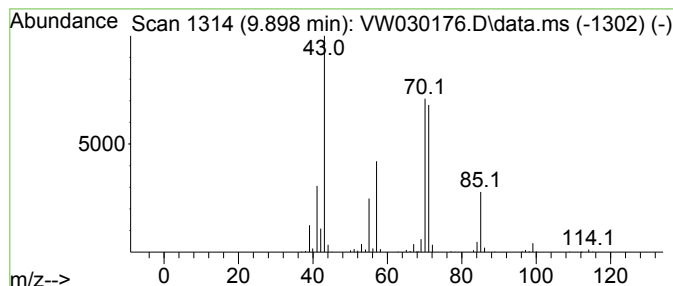
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	7.74 ug/L	390175	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
4		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
5		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

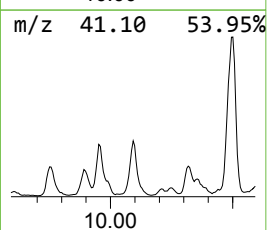
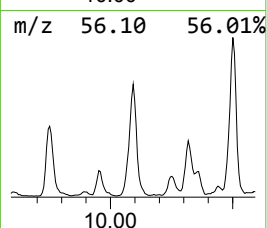
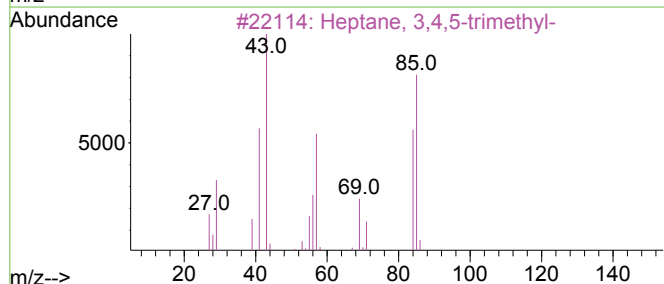
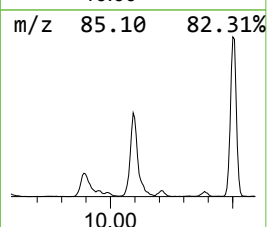
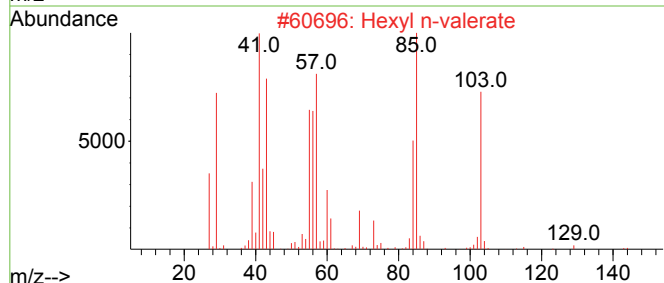
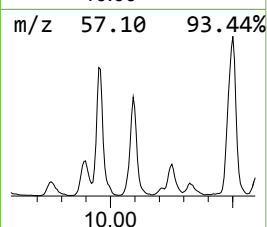
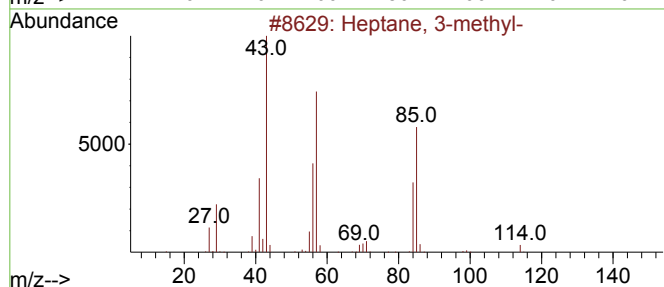
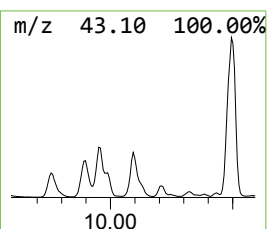
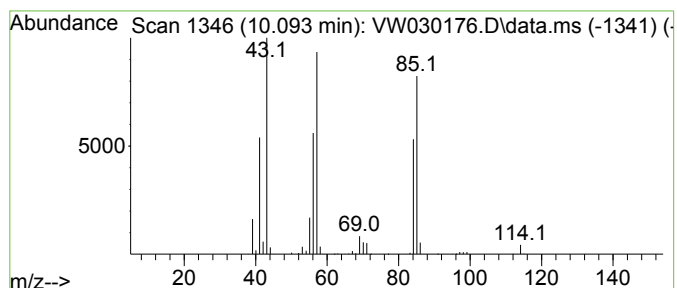
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	10.73 ug/L	541020	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2			Hexyl n-valerate	186	C11H22O2	001117-59-5	72
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
4			Heptane, 3-methyl-	114	C8H18	000589-81-1	64
5			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

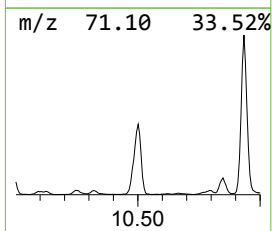
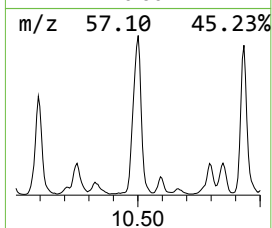
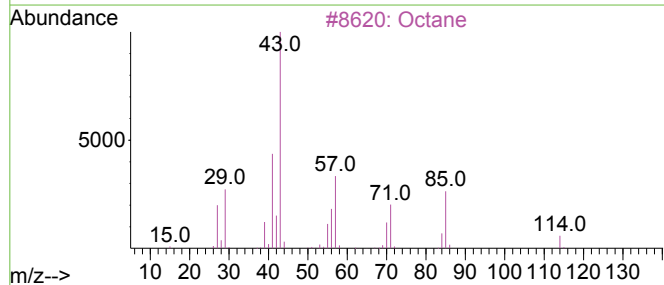
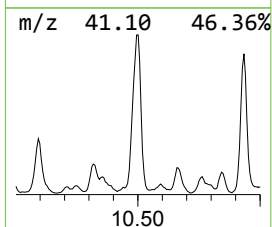
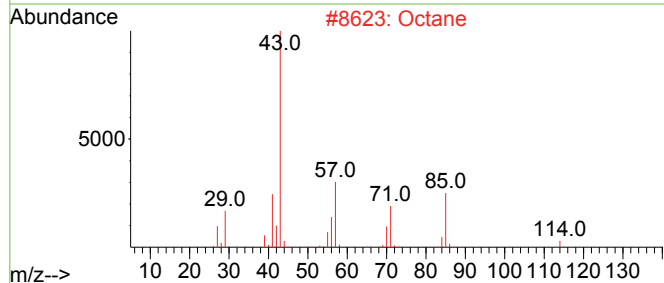
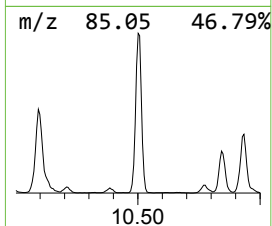
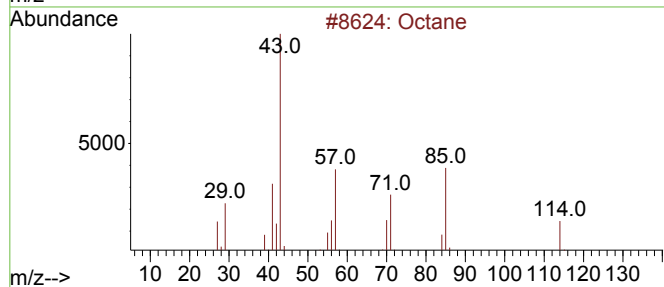
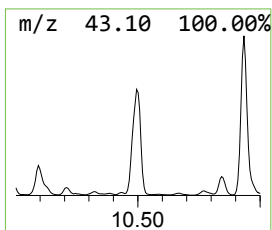
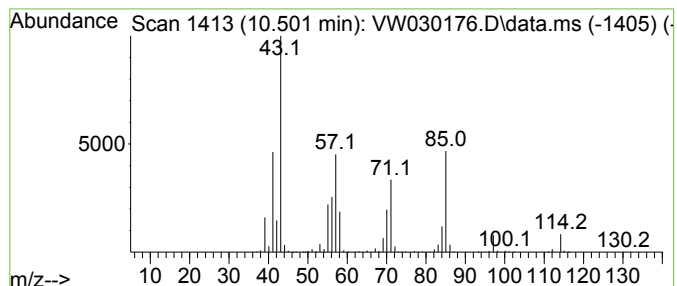
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.501	81.86 ug/L	1705480	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Octane	114	C8H18	000111-65-9	90
3	Octane	114	C8H18	000111-65-9	90
4	Octane	114	C8H18	000111-65-9	90
5	Octane	114	C8H18	000111-65-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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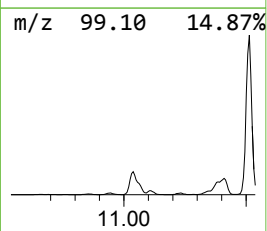
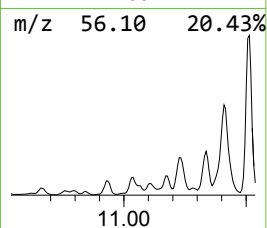
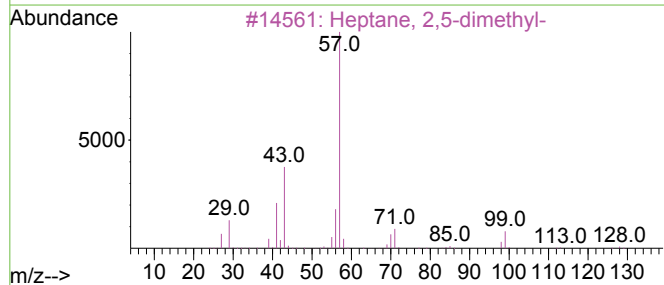
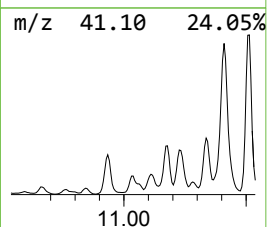
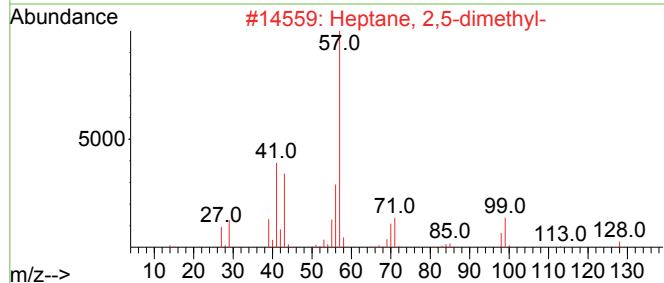
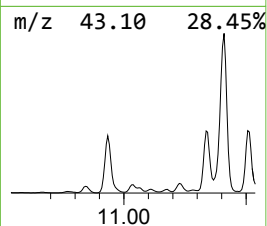
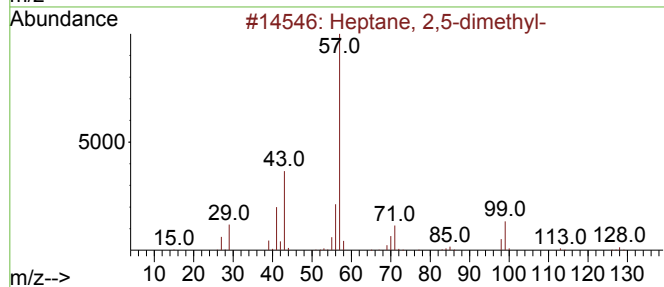
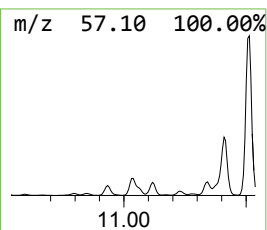
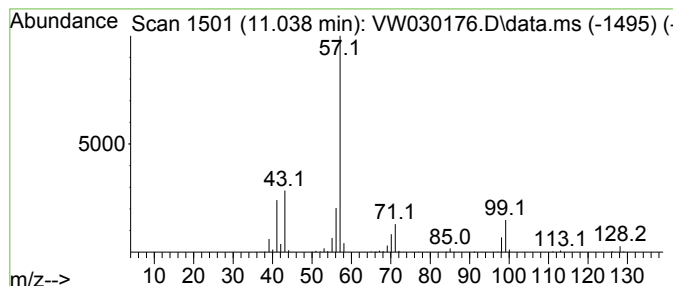
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	24.33 ug/L	506818	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4		Octane, 3-methyl-	128	C9H20	002216-33-3	86
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

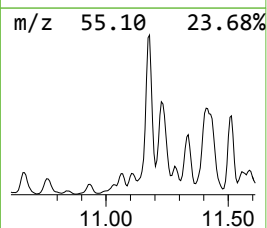
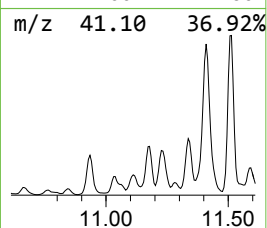
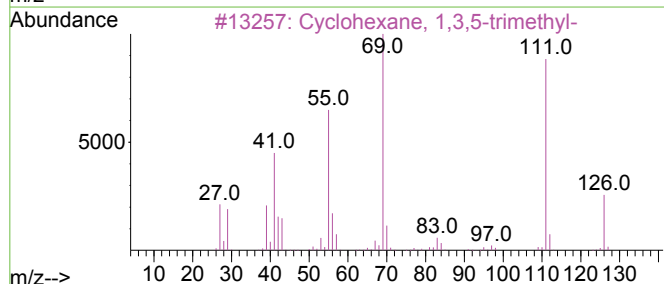
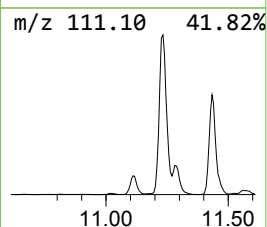
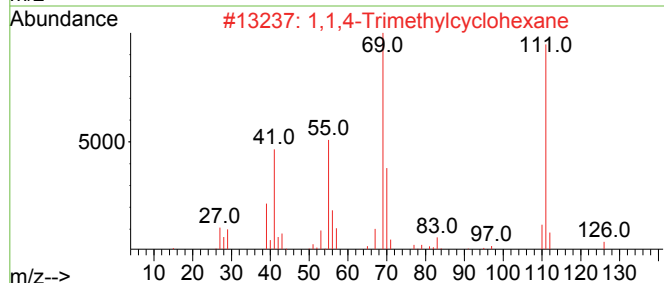
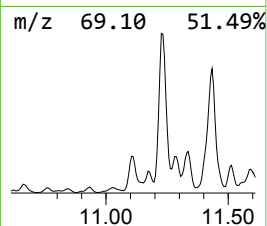
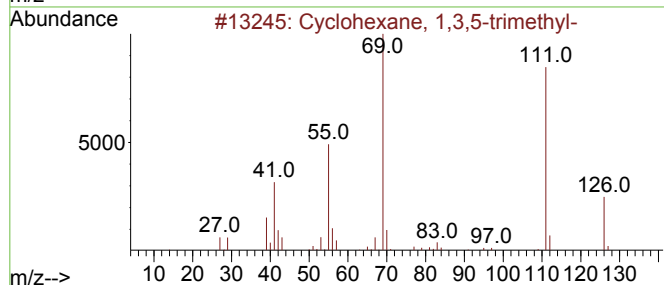
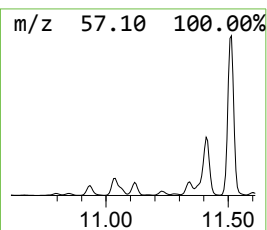
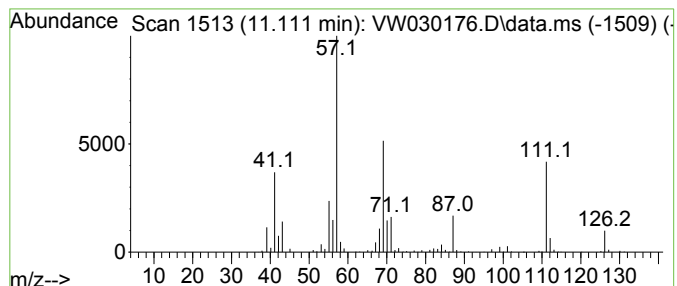
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic11.111 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.111	23.52 ug/L	490035	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	43
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	43
4	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	27
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

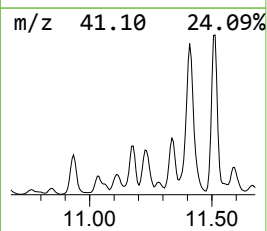
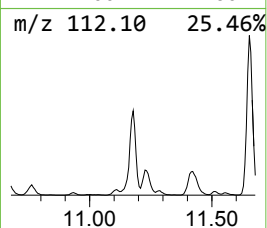
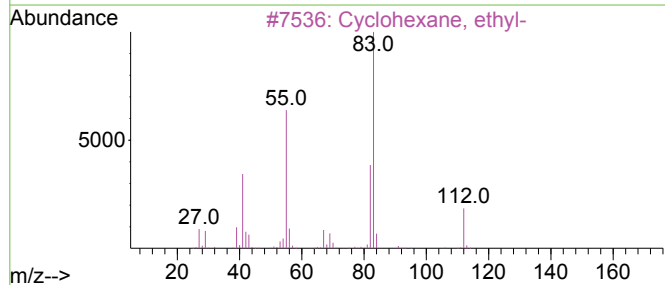
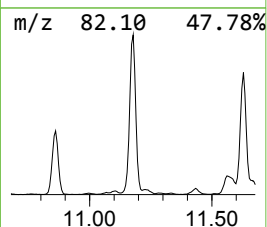
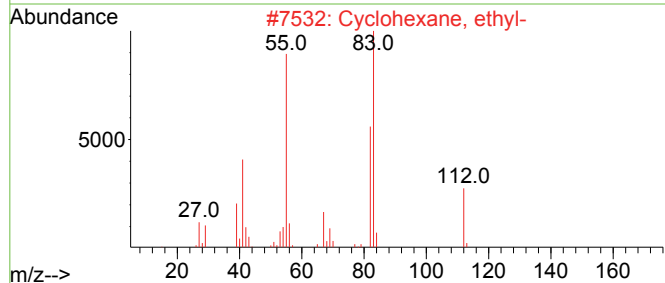
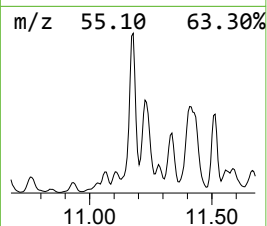
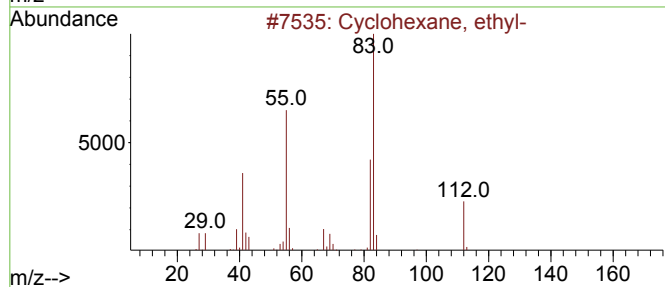
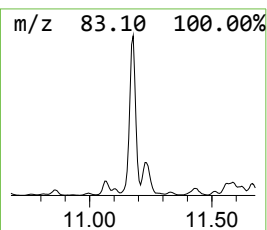
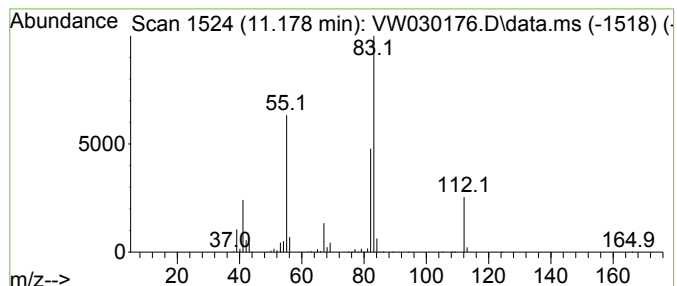
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic11.178 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	71.04 ug/L	1480060	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

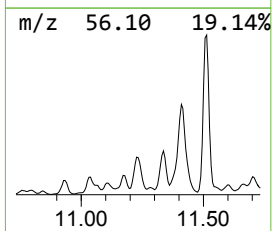
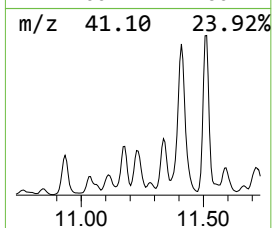
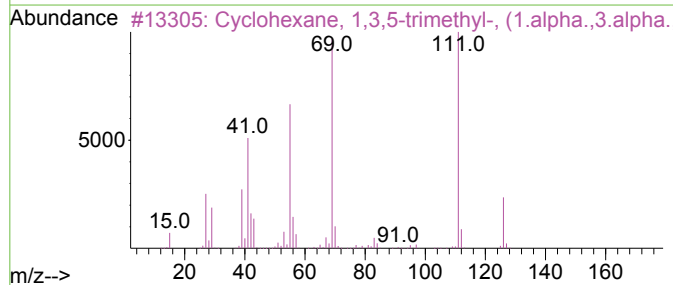
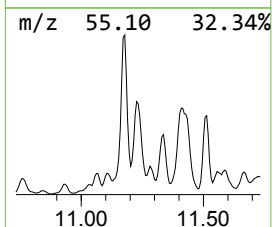
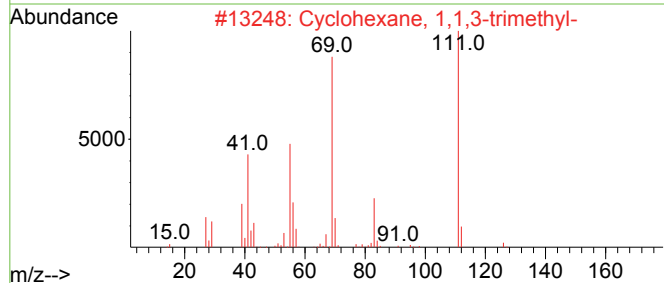
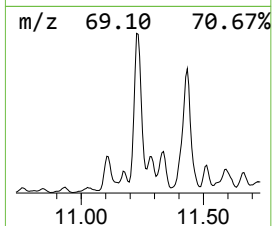
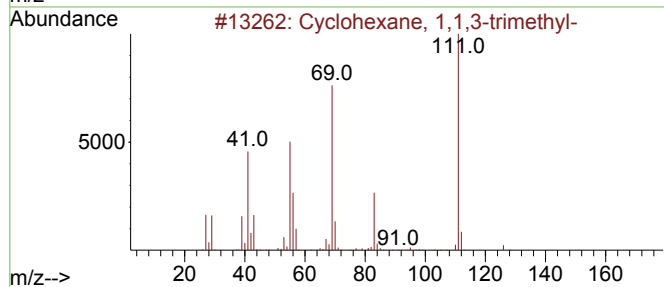
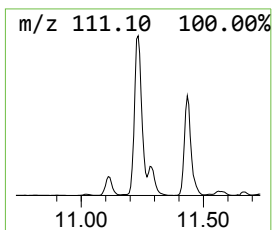
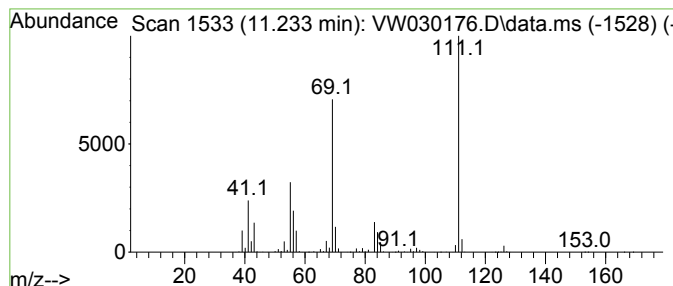
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic11.233 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	81.17 ug/L	1691210	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	53
4			1-Aminocyclopropanecarboxylic ac...	156	C7H12N2O2	1000375-50-8	53
5			p-Fluoroaniline	111	C6H6FN	000371-40-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

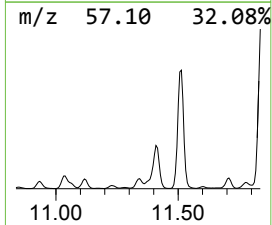
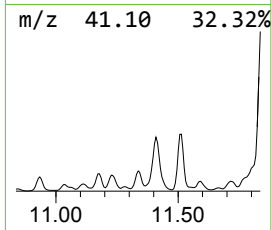
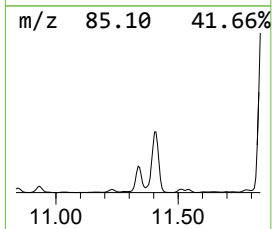
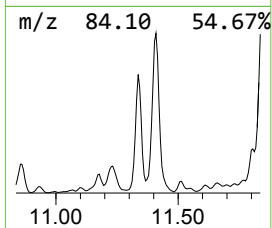
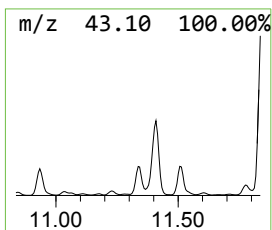
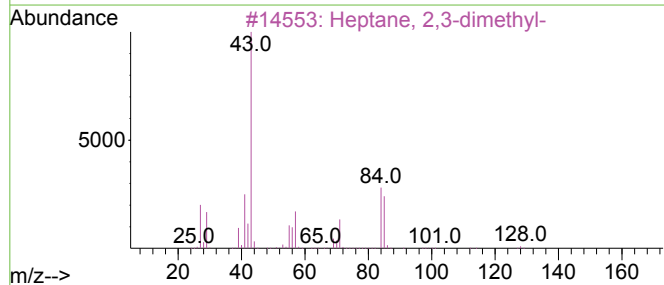
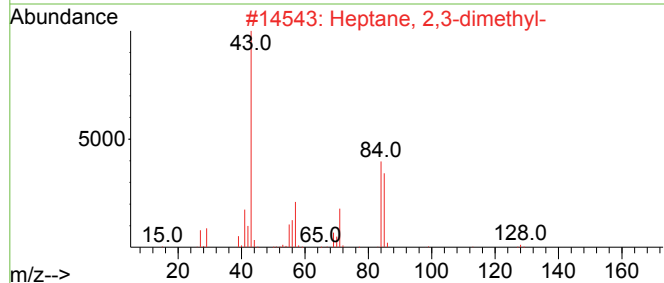
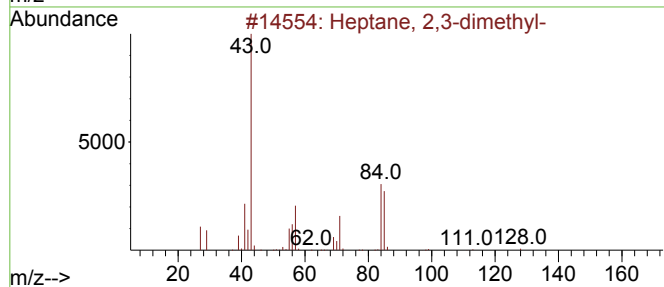
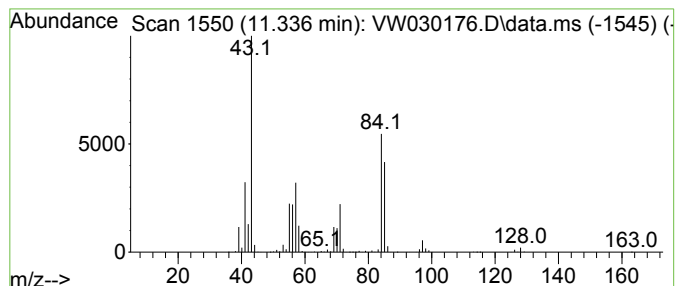
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.336	87.53 ug/L	1823730	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	59
5	1-Octene, 4-methyl-	126	C9H18	013151-12-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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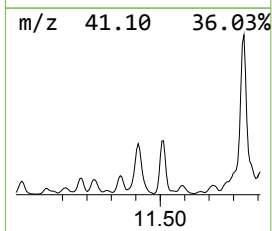
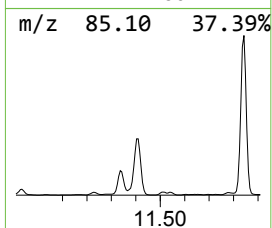
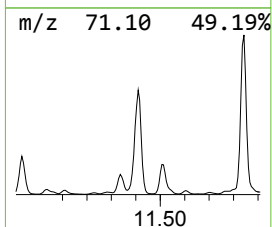
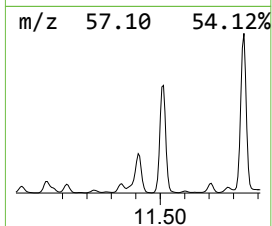
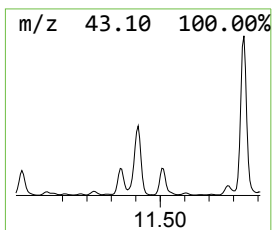
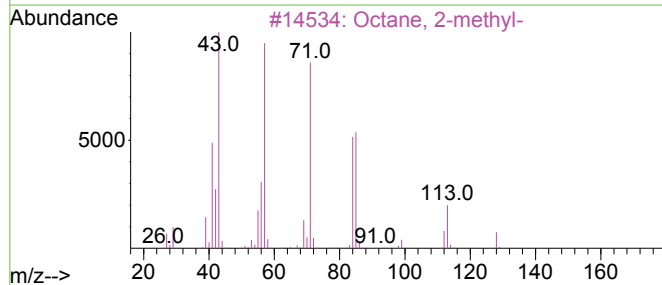
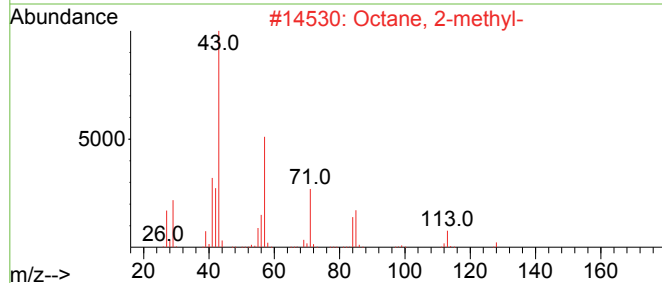
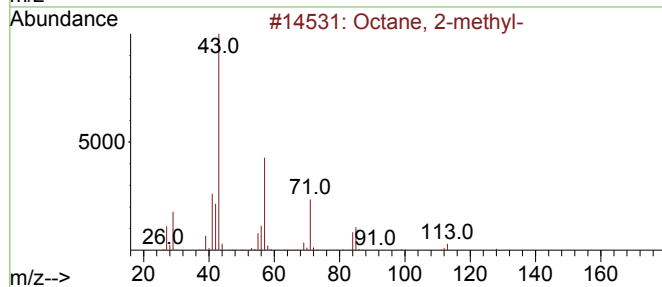
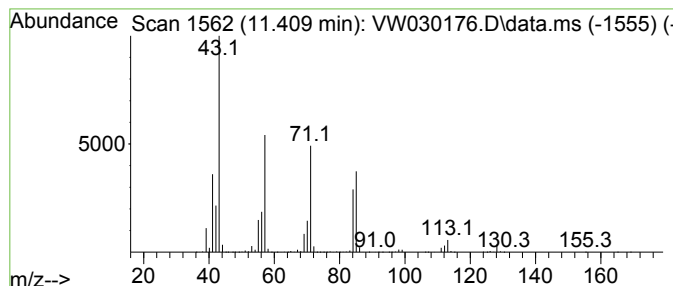
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	323.76 ug/L	6745540	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-			128	C9H20	003221-61-2	87
2	Octane, 2-methyl-			128	C9H20	003221-61-2	87
3	Octane, 2-methyl-			128	C9H20	003221-61-2	59
4	Sulfurous acid, pentadecyl 2-pro...			334	C18H38O3S	1000309-12-6	59
5	Dichloroacetic acid, 4-methylpen...			212	C8H14Cl2O2	1000282-43-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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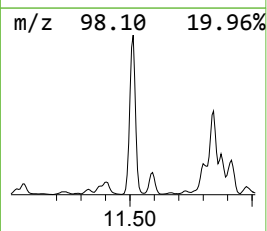
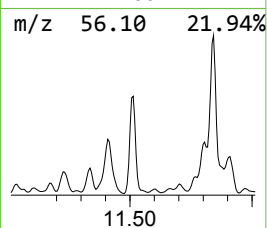
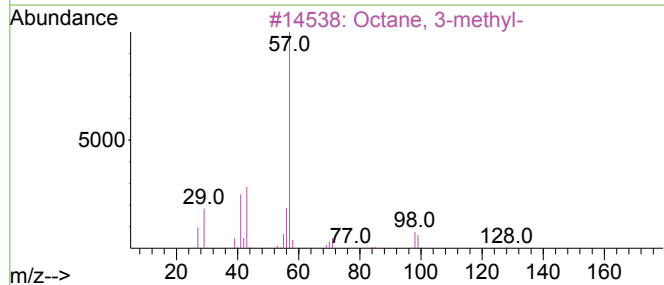
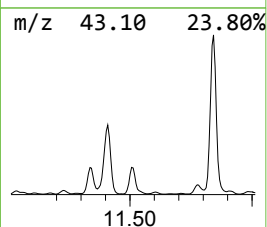
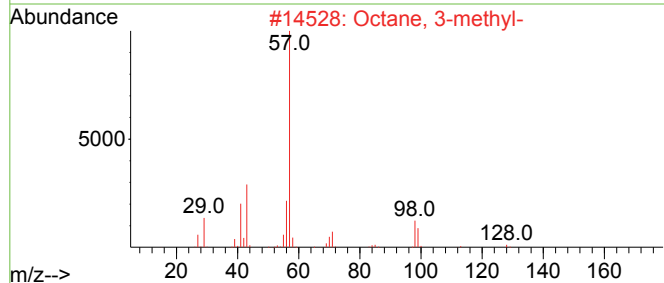
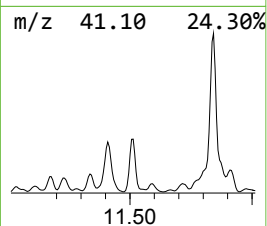
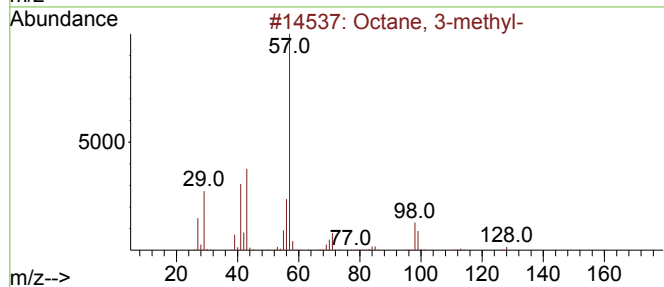
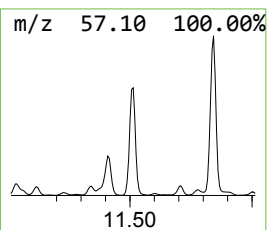
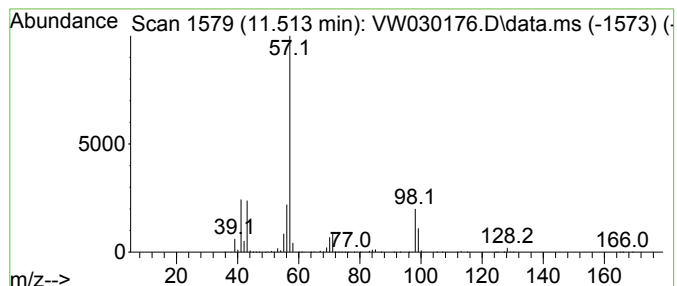
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.513	222.10 ug/L	4627360	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	91
2			Octane, 3-methyl-	128	C9H20	002216-33-3	87
3			Octane, 3-methyl-	128	C9H20	002216-33-3	74
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
5			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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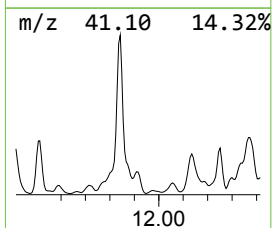
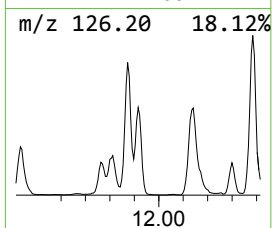
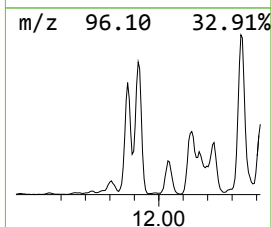
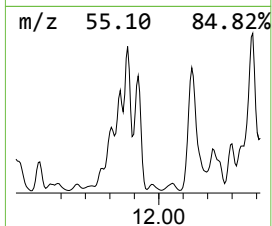
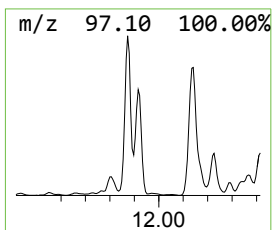
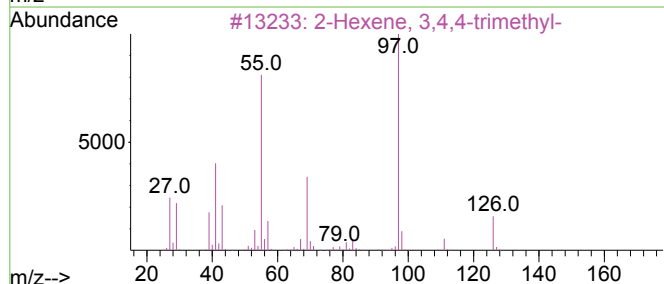
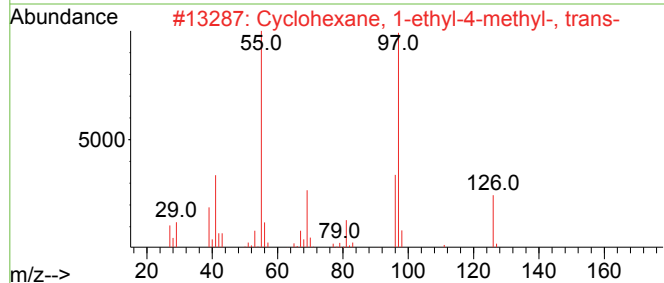
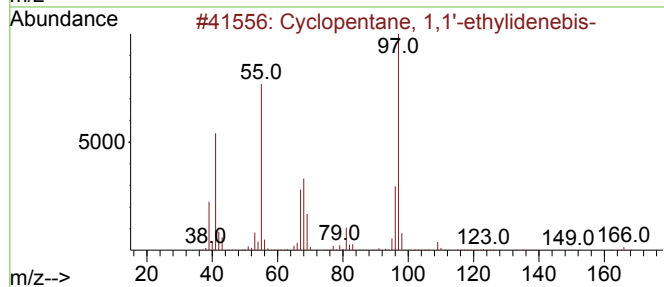
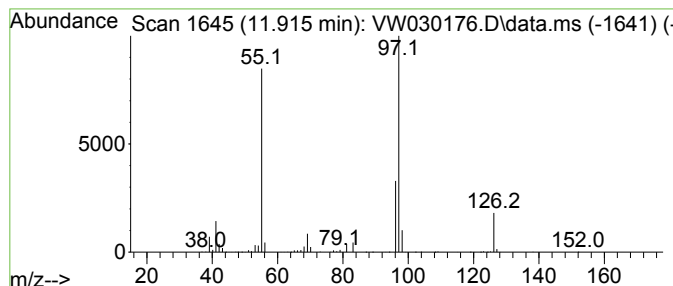
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Quant Title : SFAM01.0

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

Peak Number 16 Cyclopentane, 1,1'-ethylide... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	157.98 ug/L	3291570	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	78
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
3		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72
4		4-Octen-3-one	126	C8H14O	014129-48-7	72
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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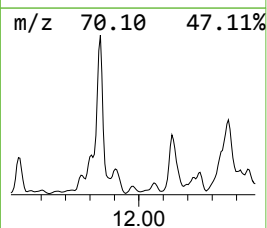
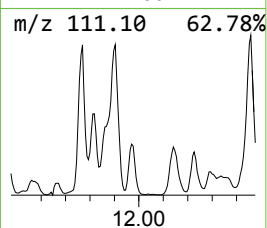
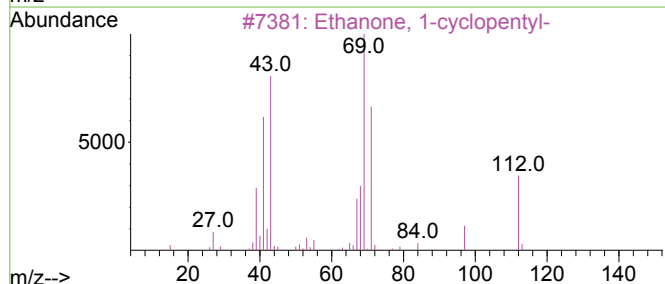
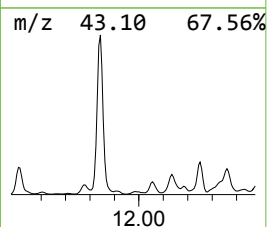
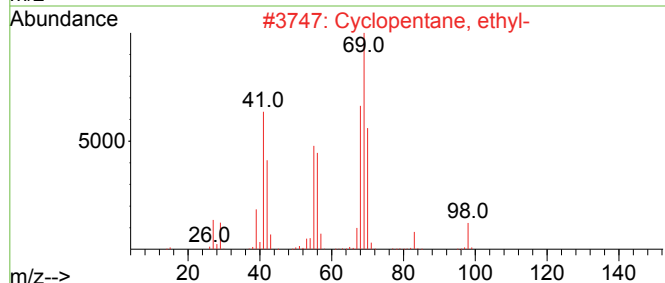
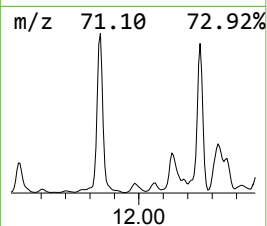
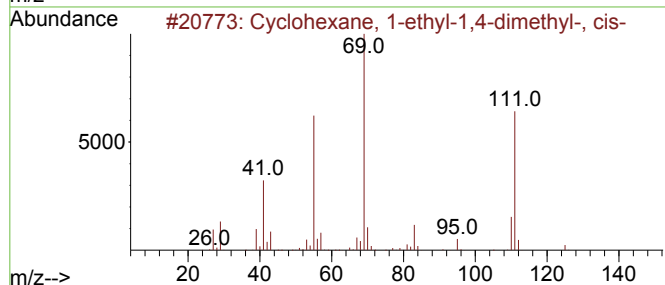
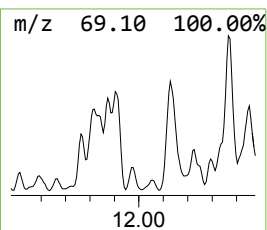
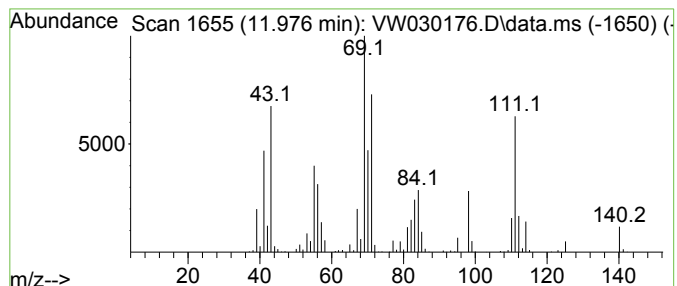
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.976 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.976	25.46 ug/L	530396	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	38
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
3			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	38
4			4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	30
5			2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

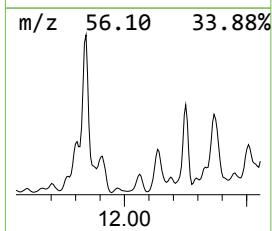
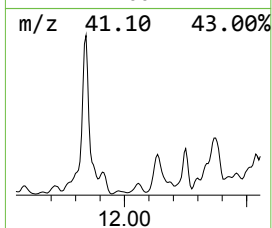
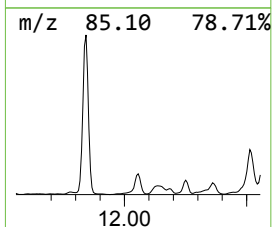
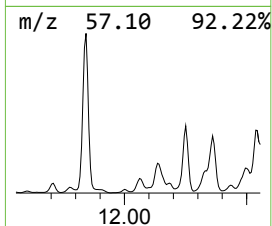
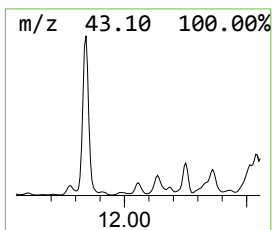
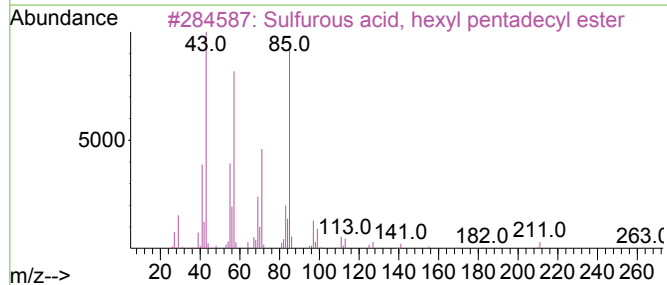
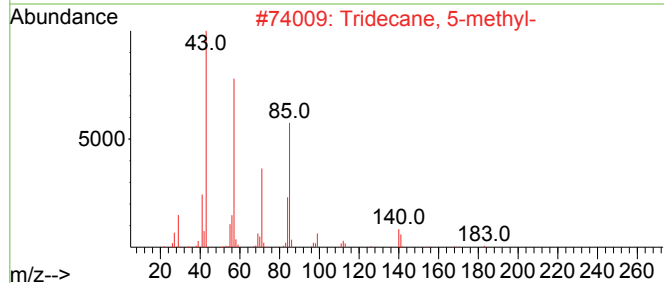
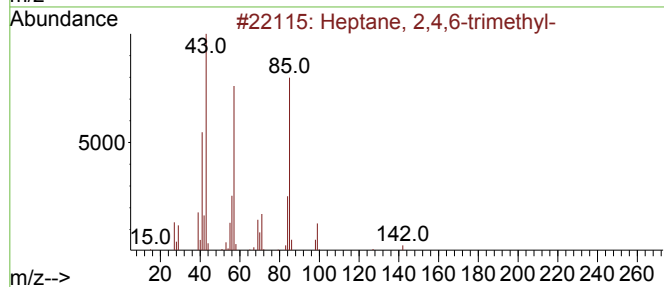
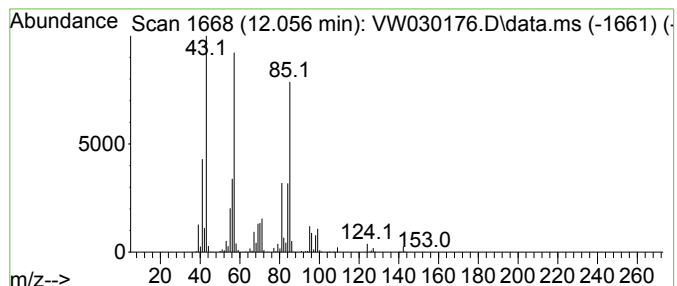
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	69.92 ug/L	1456830	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	91
2			Tridecane, 5-methyl-	198	C14H30	025117-31-1	64
3			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	59
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

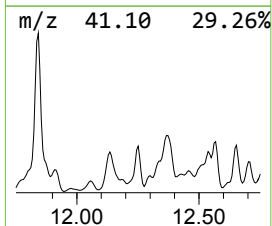
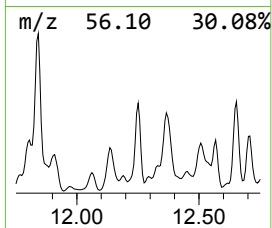
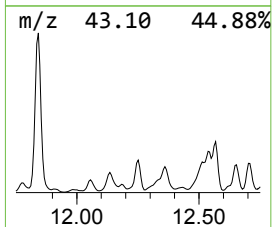
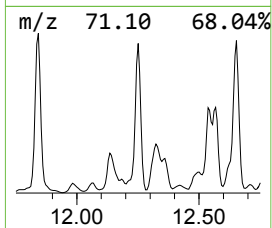
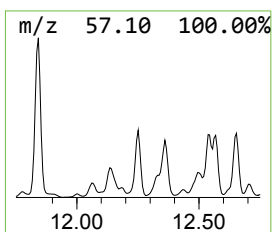
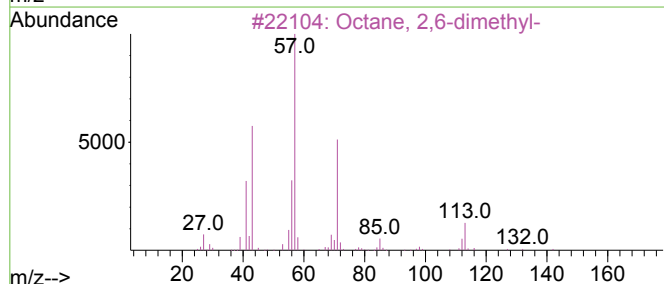
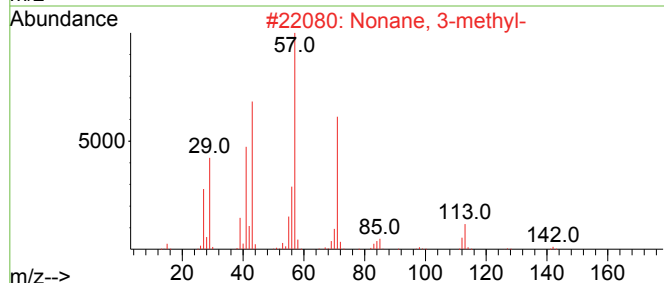
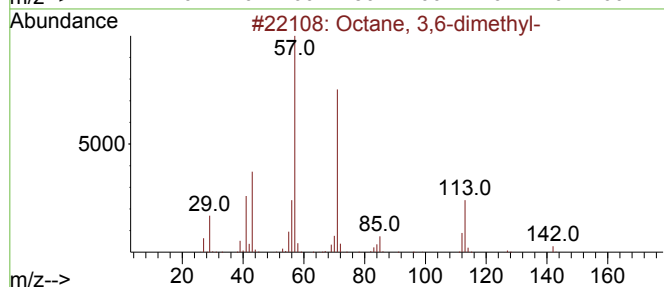
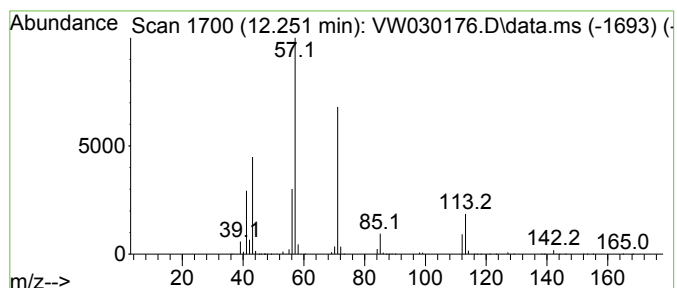
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	200.39 ug/L	4175110	Chlorobenzene-d5	11.629

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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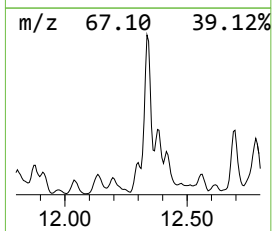
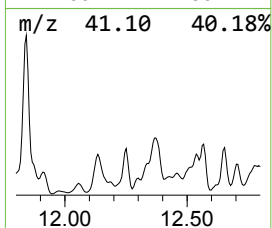
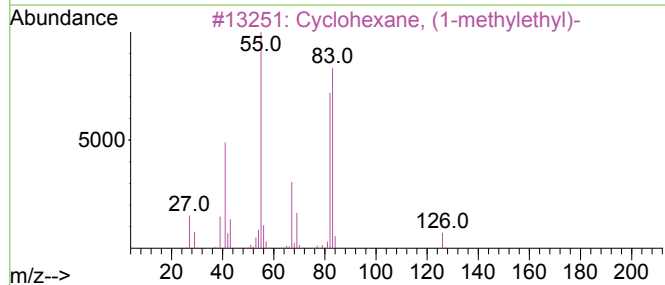
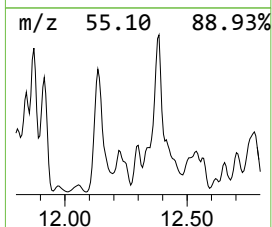
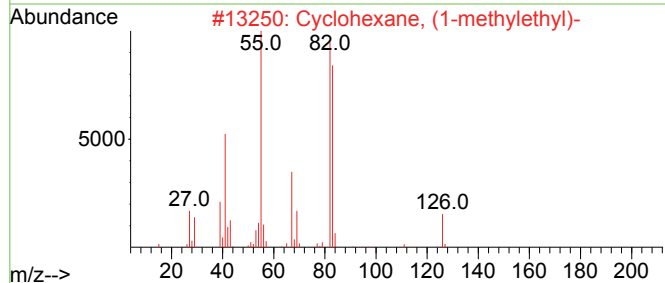
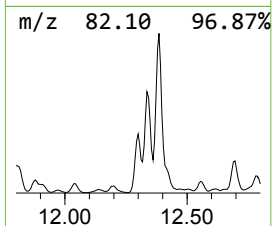
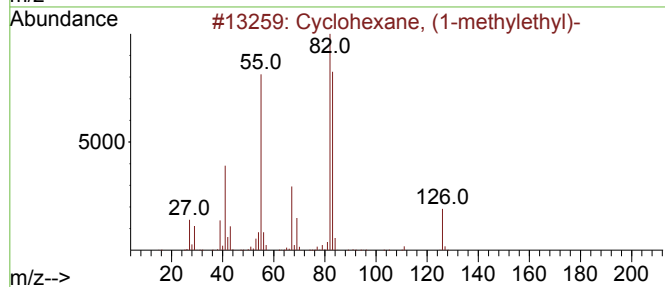
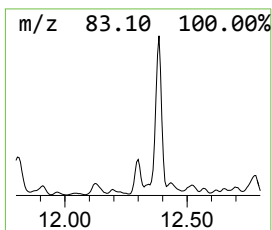
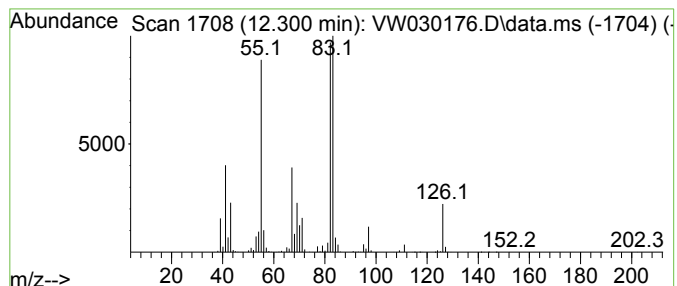
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic12.300 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.300	60.61 ug/L	1262860	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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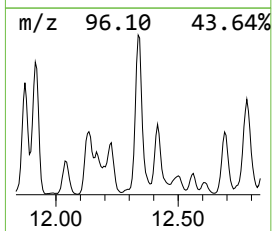
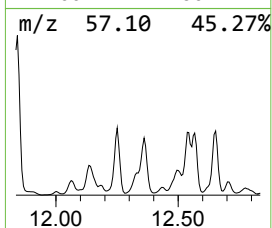
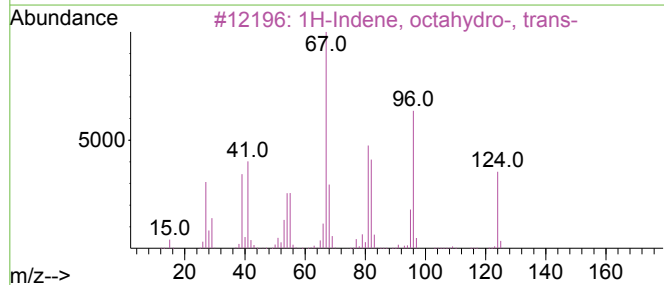
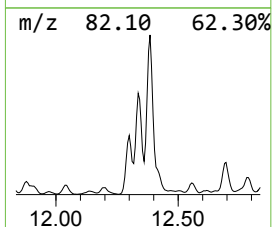
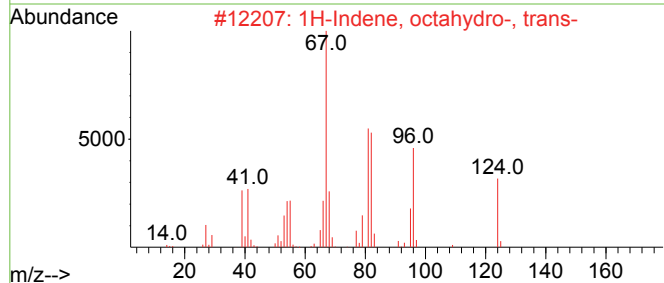
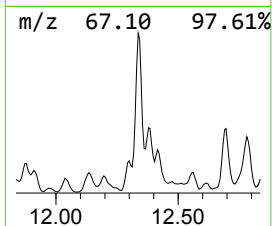
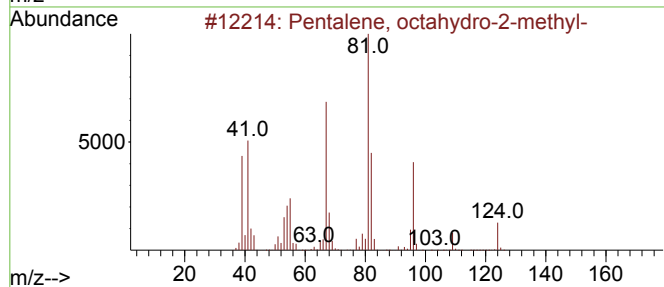
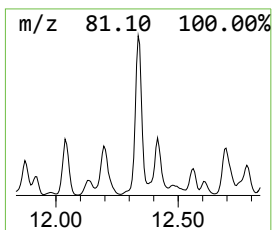
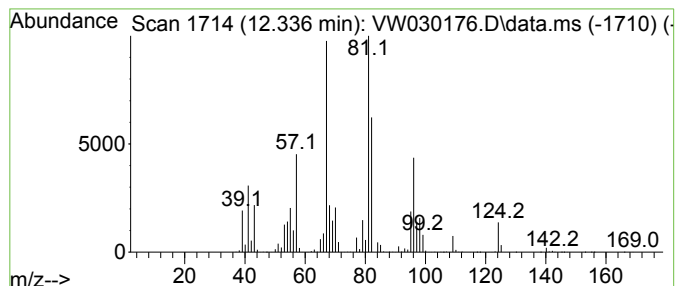
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Quant Title : SFAM01.0

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

Peak Number 21 Pentalene, octahydro-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	139.59 ug/L	2908360	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	68
2			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
3			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
4			1-Methylcyclooctene	124	C9H16	000933-11-9	46
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
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Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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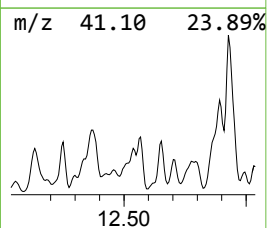
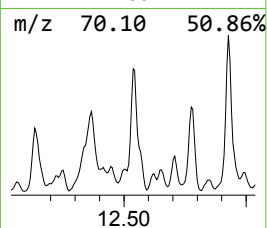
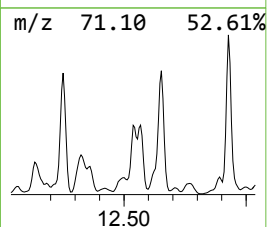
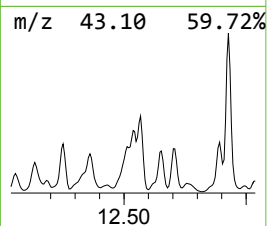
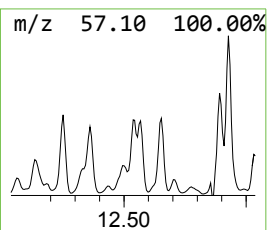
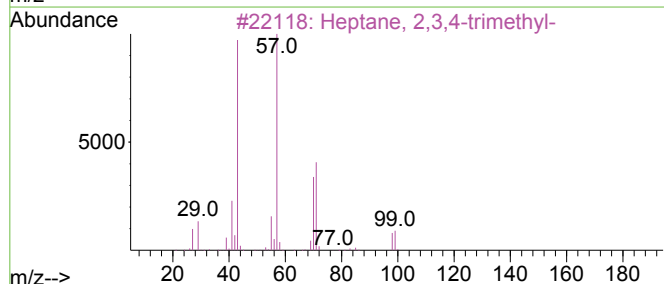
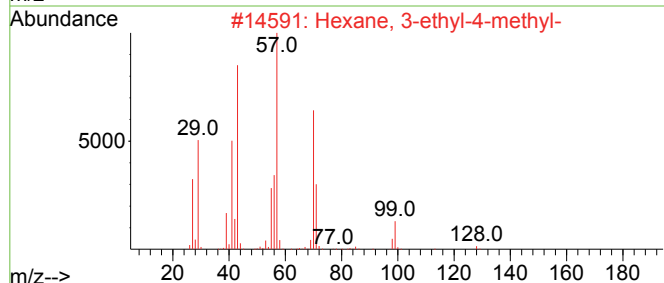
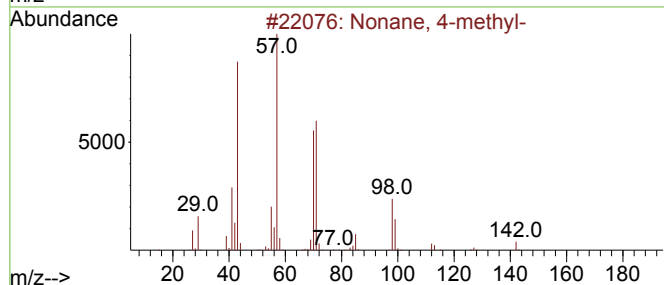
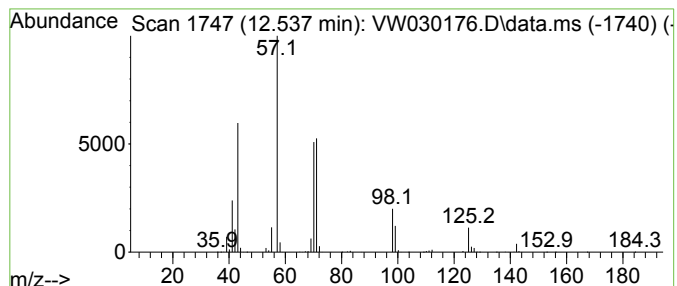
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.537	113.68 ug/L	2368430	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	90
2		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	50
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	47
5		Nonane, 4-methyl-	142	C10H22	017301-94-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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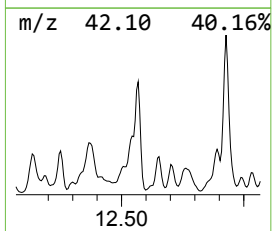
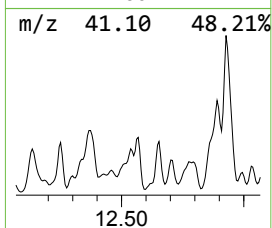
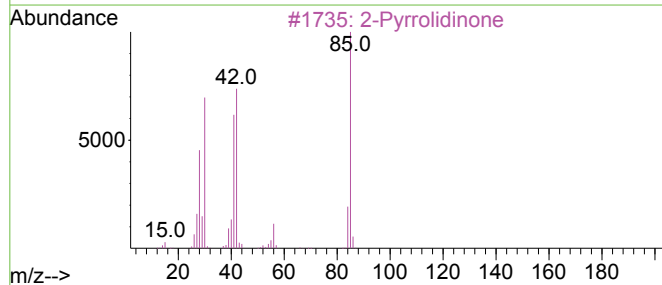
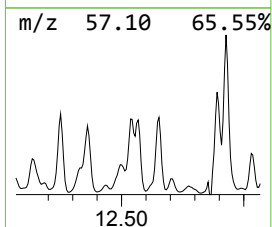
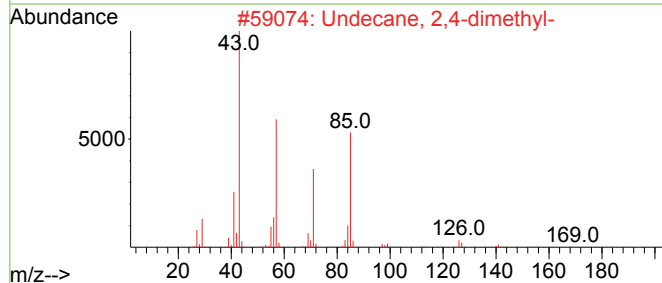
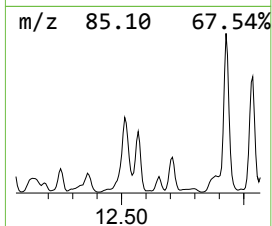
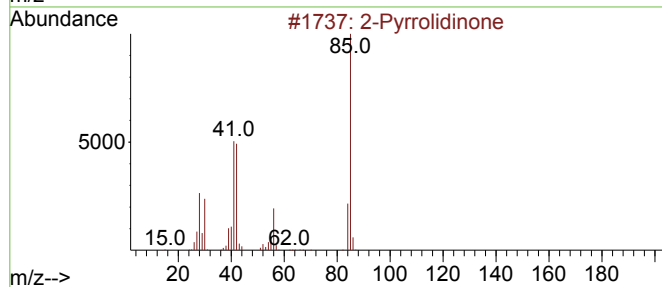
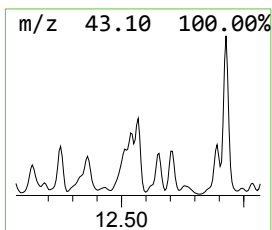
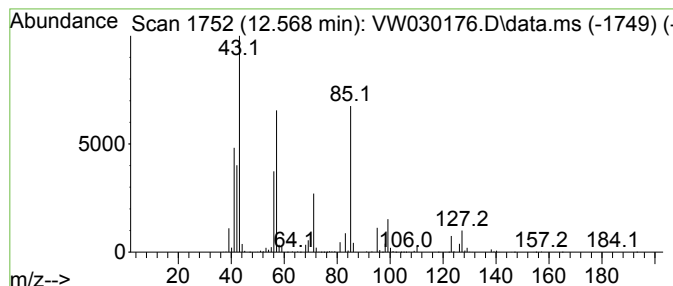
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Quant Title : SFAM01.0

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

Peak Number 23 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.568	197.37 ug/L	4112090	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone			85	C4H7NO	000616-45-5	43
2	Undecane, 2,4-dimethyl-			184	C13H28	017312-80-0	38
3	2-Pyrrolidinone			85	C4H7NO	000616-45-5	38
4	Pentane, 2-methyl-			86	C6H14	000107-83-5	27
5	Nonane			128	C9H20	000111-84-2	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

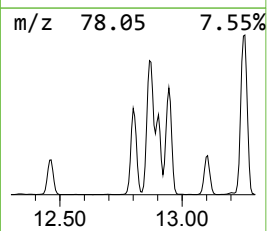
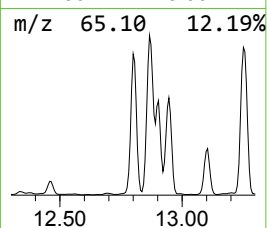
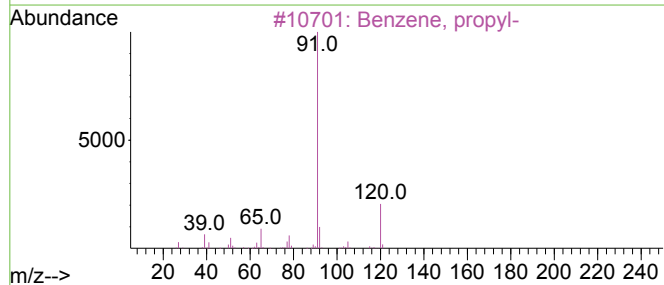
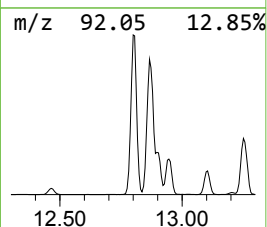
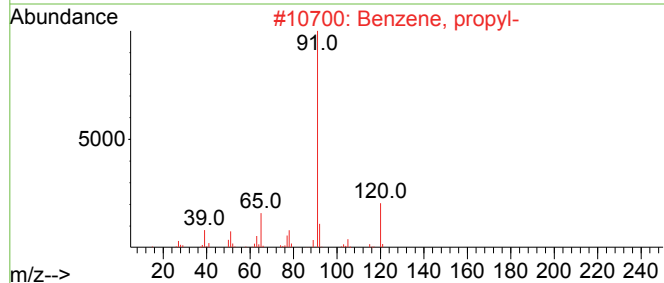
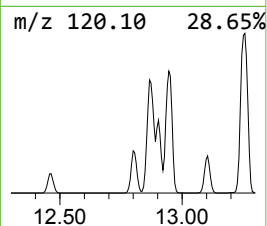
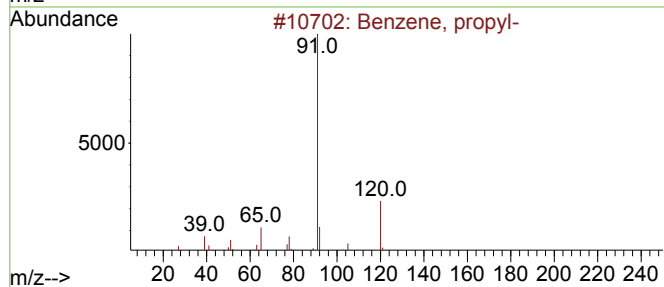
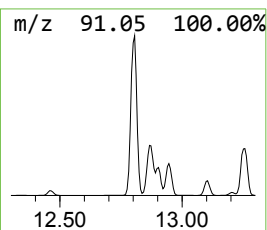
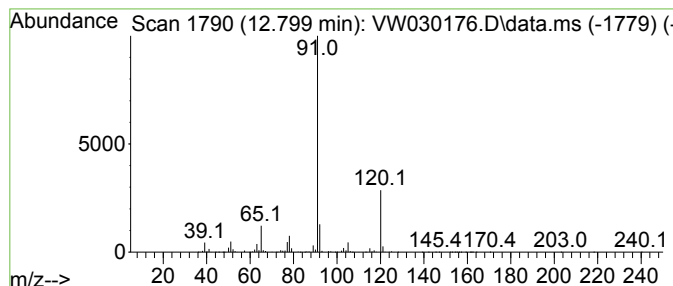
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.800	15.56 ug/L	24895700	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	94
2			Benzene, propyl-	120	C9H12	000103-65-1	91
3			Benzene, propyl-	120	C9H12	000103-65-1	90
4			Benzene, propyl-	120	C9H12	000103-65-1	90
5			N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

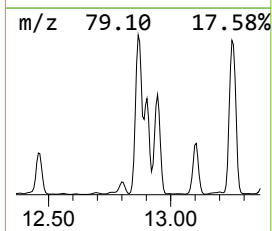
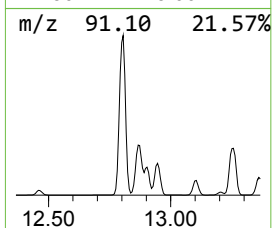
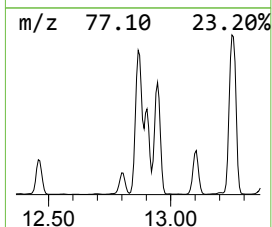
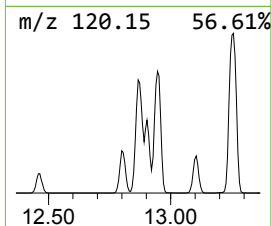
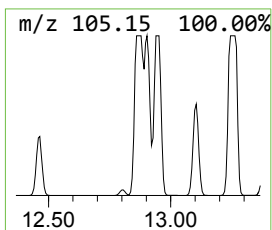
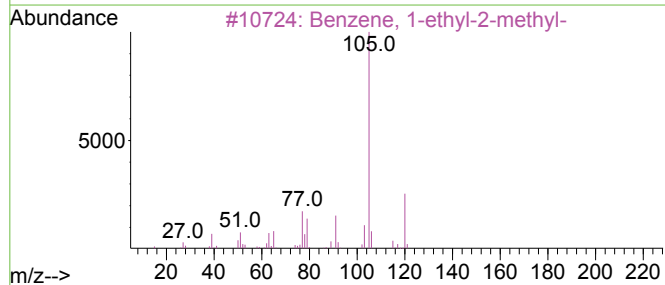
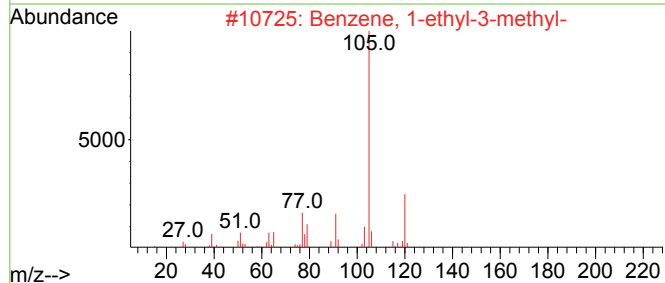
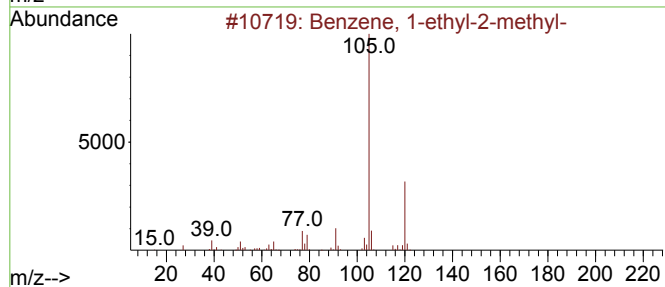
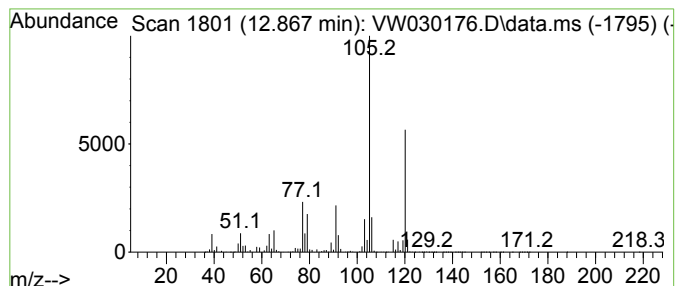
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	46.05 ug/L	73680100	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

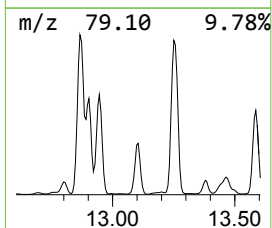
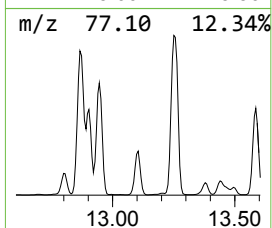
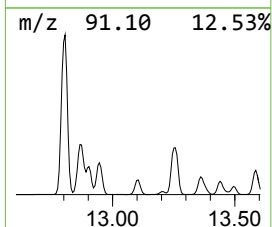
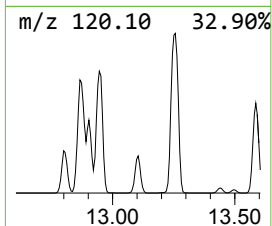
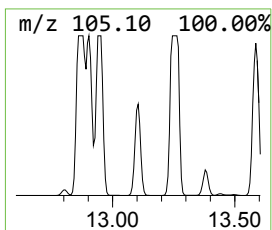
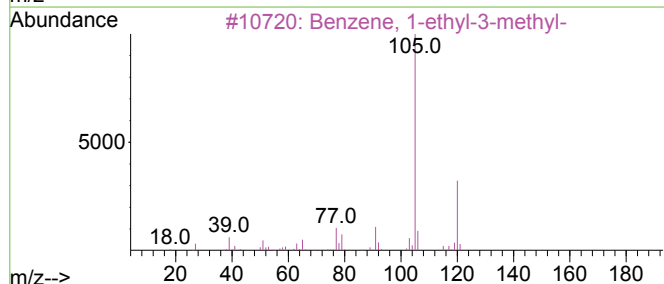
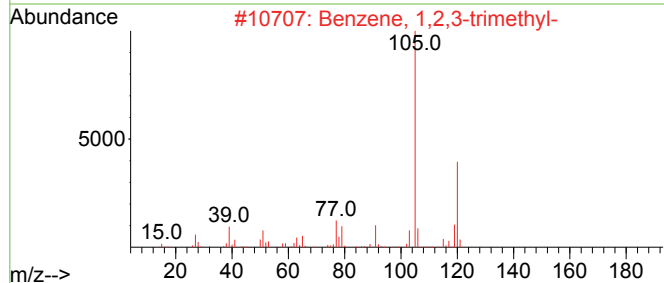
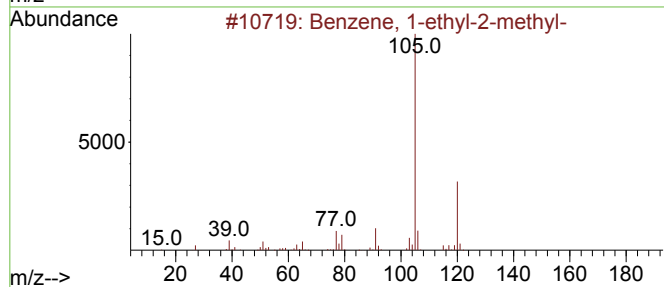
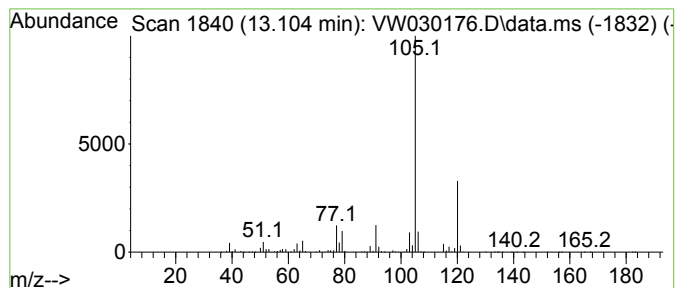
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 1-ethyl-3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	13.49 ug/L	21577500	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

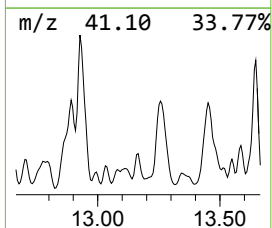
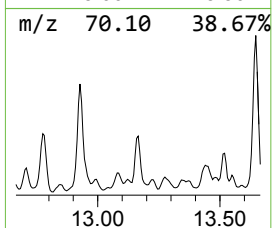
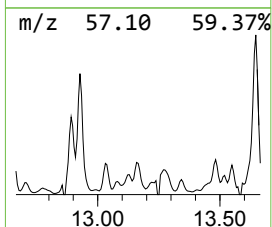
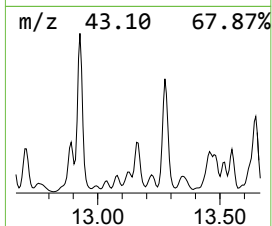
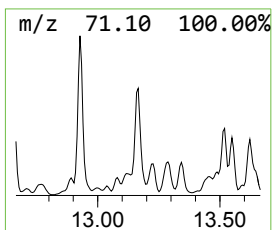
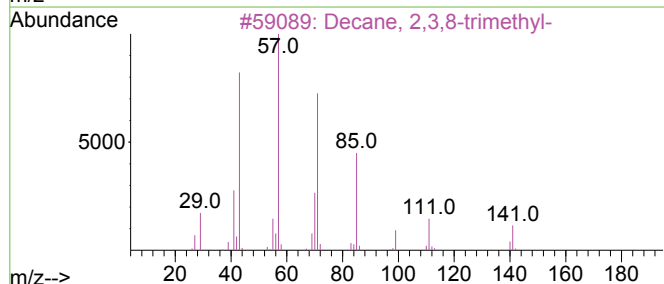
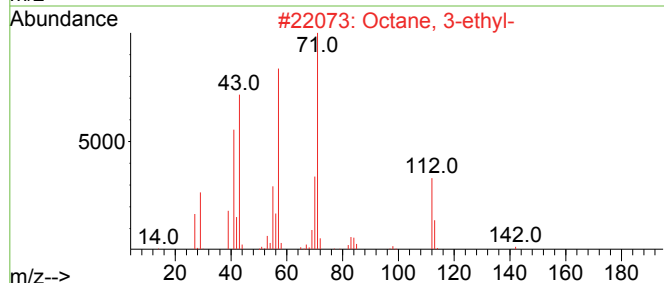
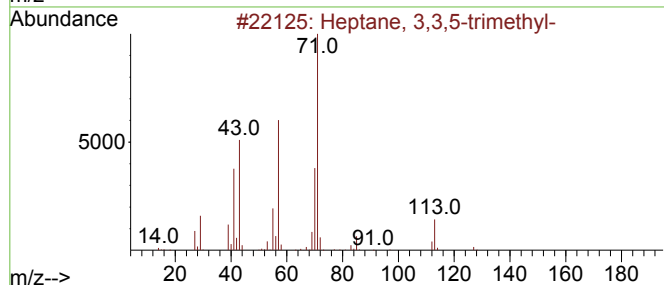
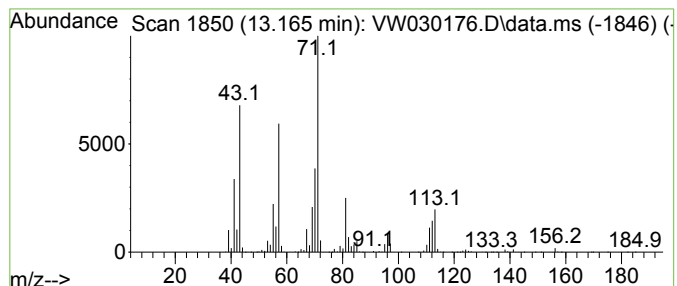
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.165	1.61 ug/L	2577710	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	59
3		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

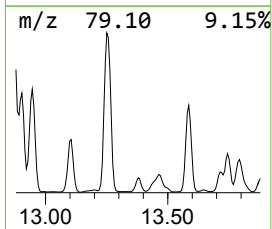
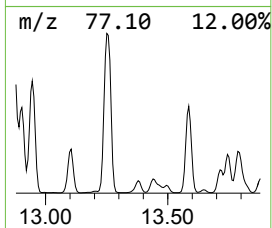
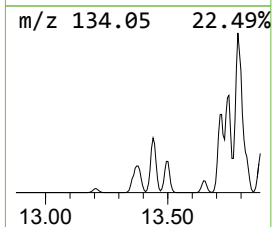
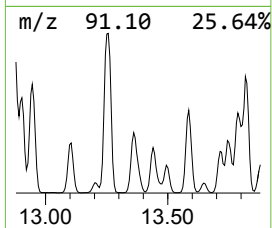
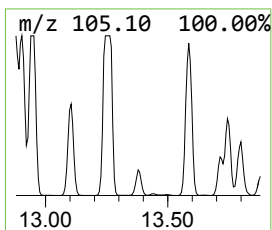
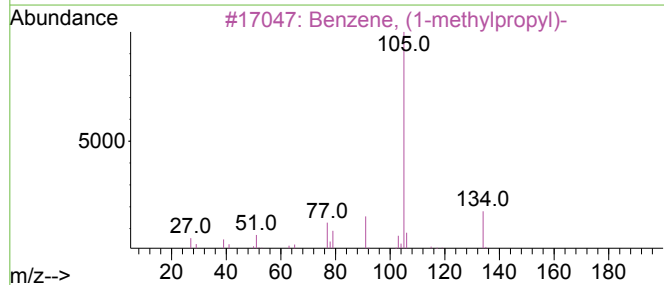
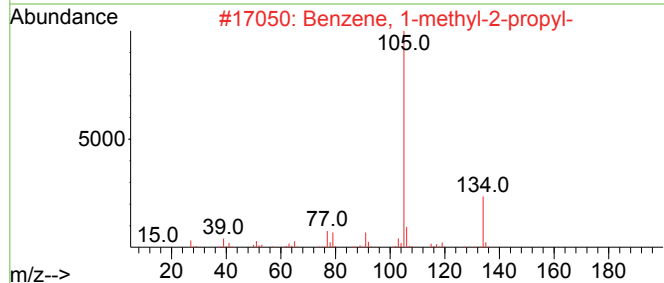
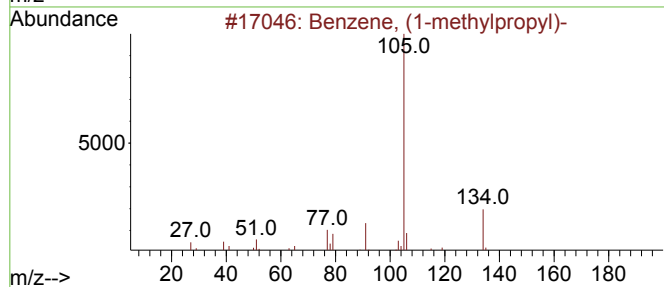
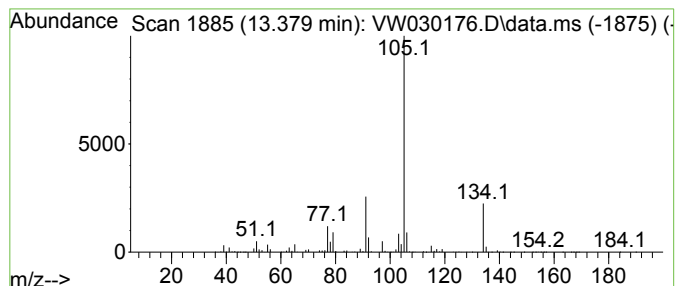
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Quant Title : SFAM01.0

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

Peak Number 28 Benzene, (1-methylpropyl)- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.379	4.90 ug/L	7832240	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

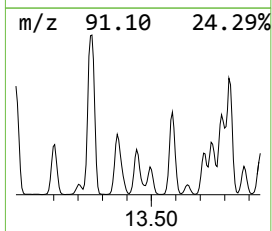
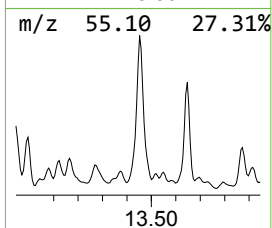
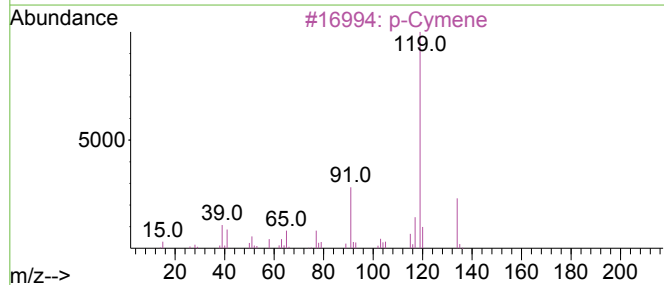
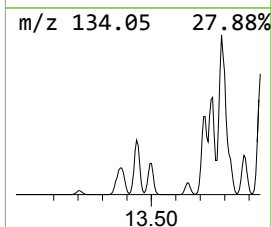
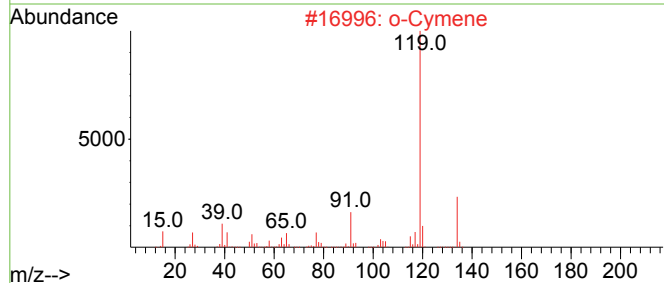
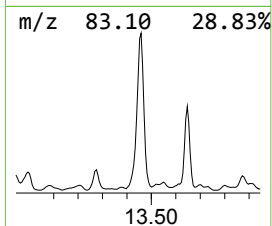
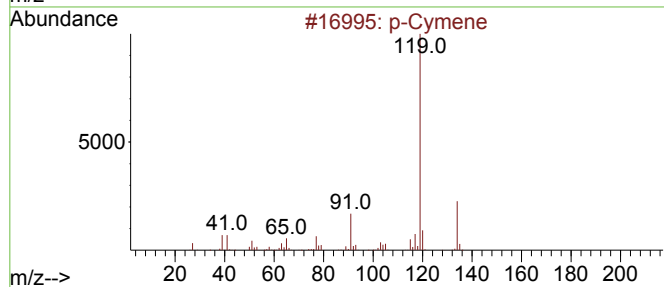
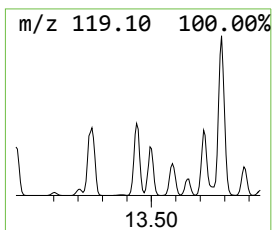
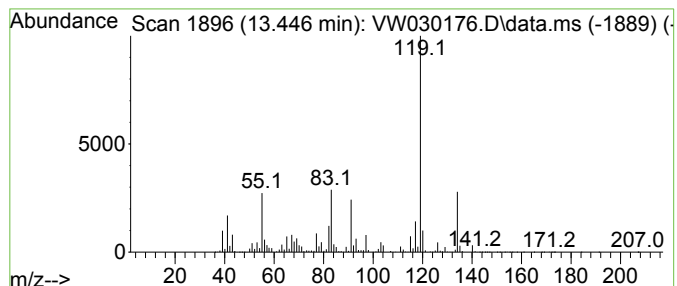
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Quant Title : SFAM01.0

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

Peak Number 29 p-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	13.65 ug/L	21840700	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene			134	C10H14	000099-87-6	95
2	o-Cymene			134	C10H14	000527-84-4	95
3	p-Cymene			134	C10H14	000099-87-6	95
4	o-Cymene			134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...			134	C10H14	000535-77-3	92



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

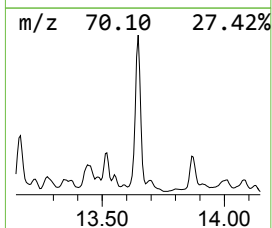
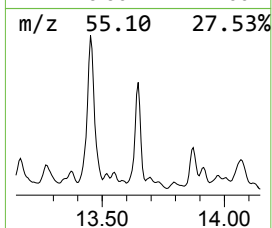
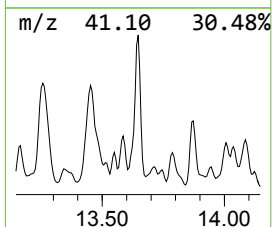
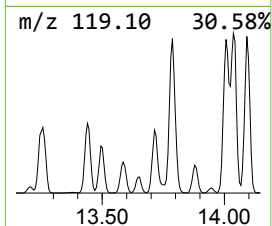
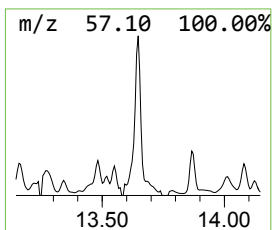
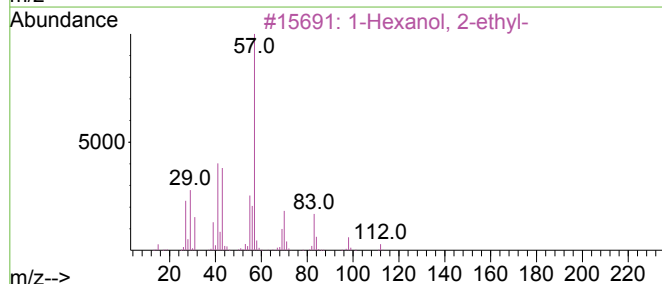
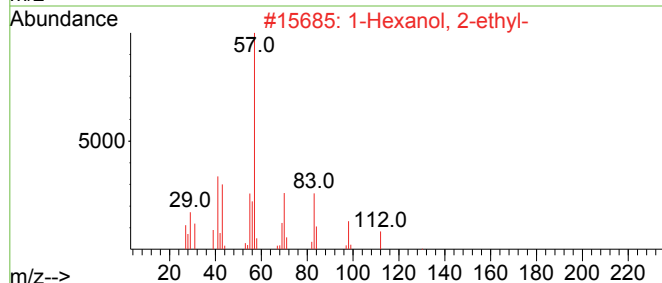
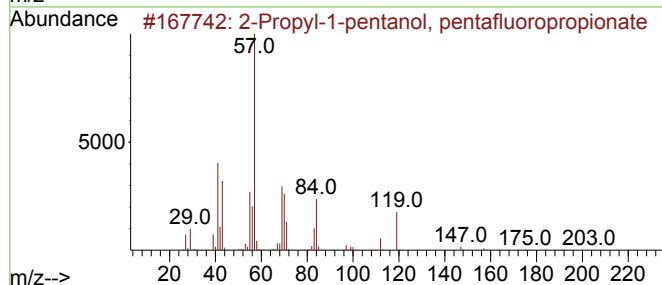
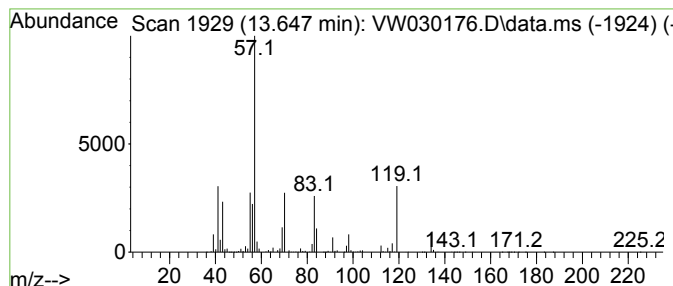
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Quant Title : SFAM01.0

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

Peak Number 30 2-Propyl-1-pentanol, pentafl... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.647	6.48 ug/L	10373200	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Propyl-1-pentanol, pentafluoro...	276	C11H17F5O2	1000365-51-2	50
2		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
3		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
4		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	47
5		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

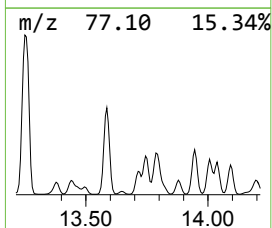
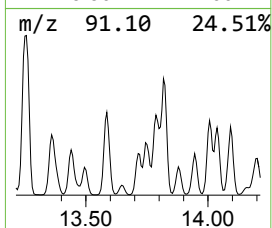
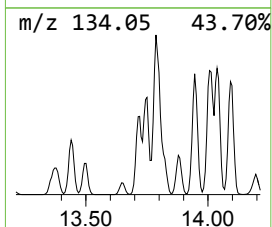
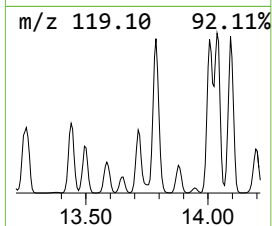
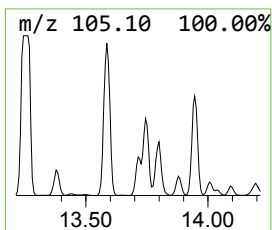
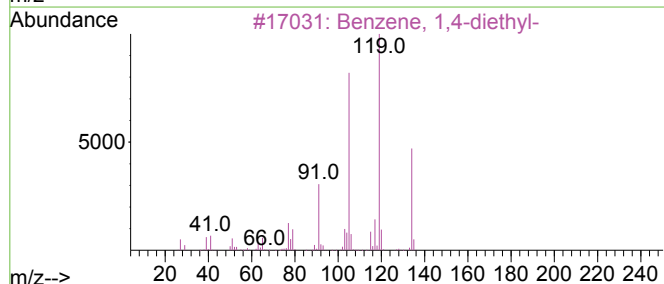
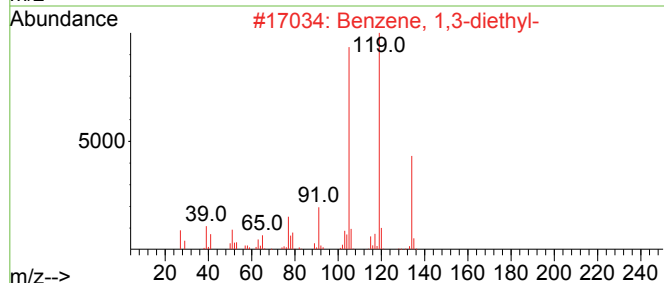
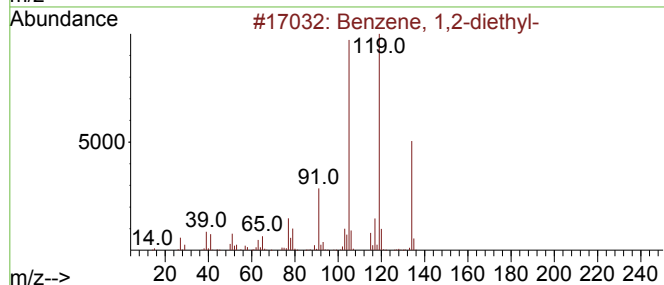
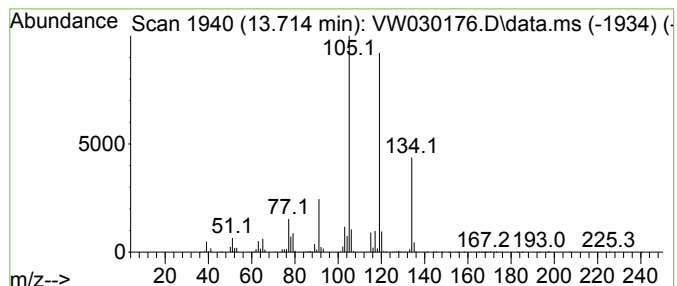
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1,2-diethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	7.55 ug/L	12083600	1,4-Dichlorobenzene-d4	13.555

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

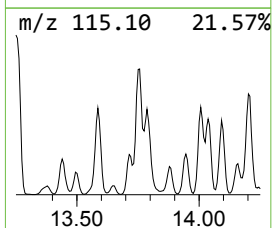
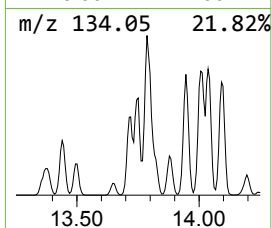
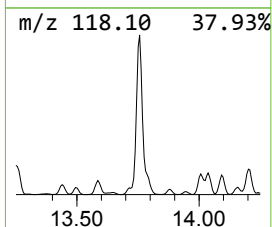
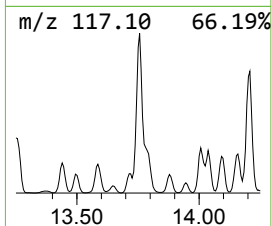
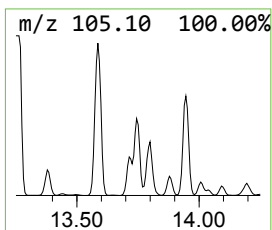
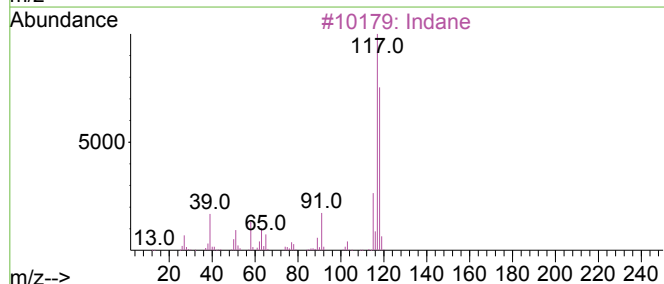
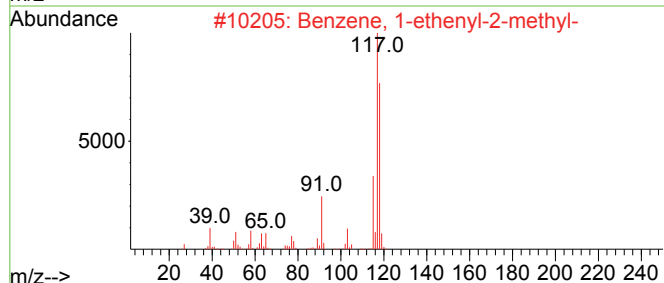
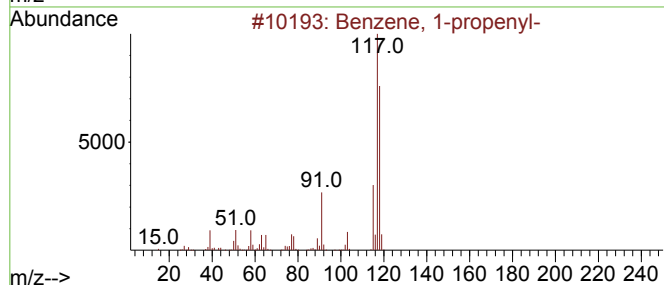
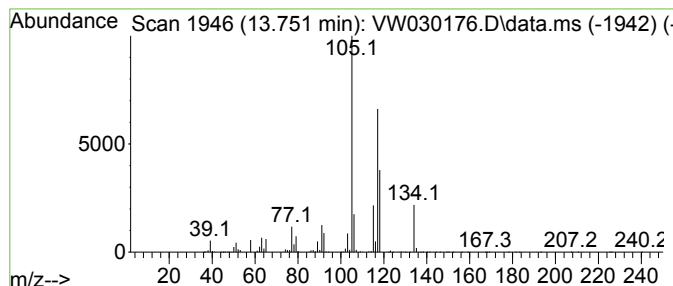
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Quant Title : SFAM01.0

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

Peak Number 32 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	12.04 ug/L	19254400	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-propenyl-	118	C9H10	000637-50-3	45
2			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	45
3			Indane	118	C9H10	000496-11-7	43
4			Benzene, 2-propenyl-	118	C9H10	000300-57-2	43
5			Indane	118	C9H10	000496-11-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

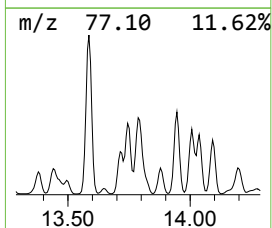
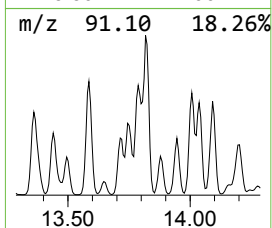
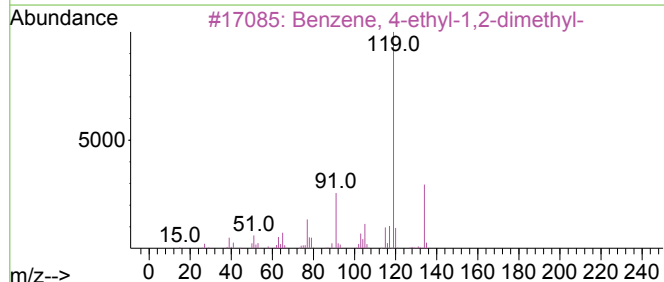
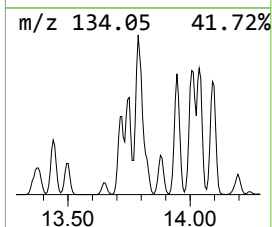
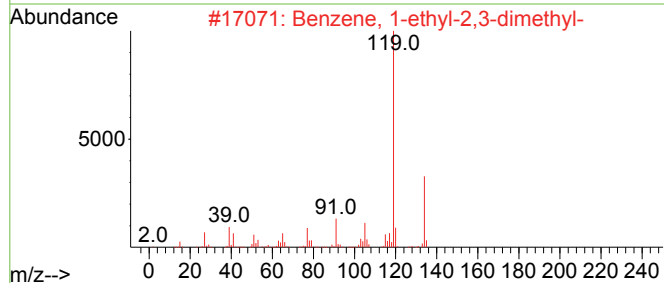
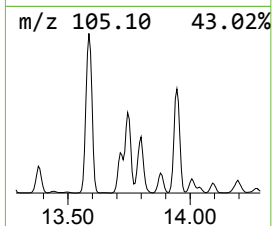
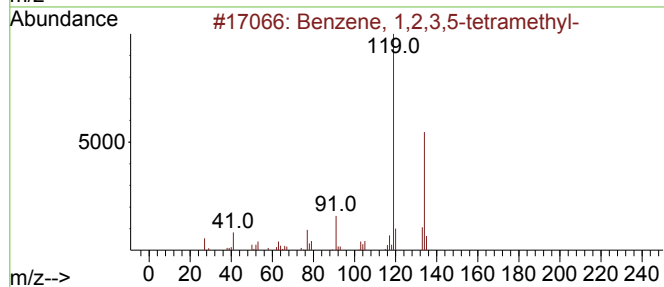
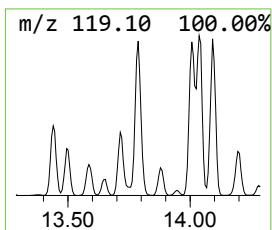
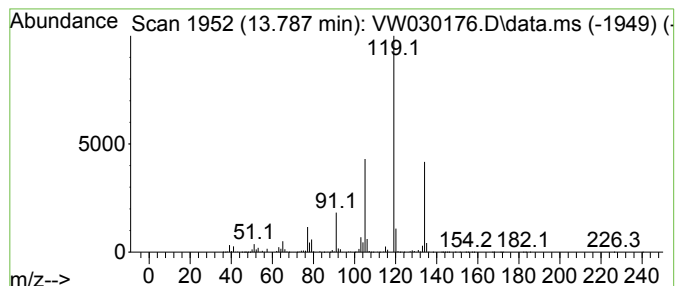
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.787	18.81 ug/L	30092800	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

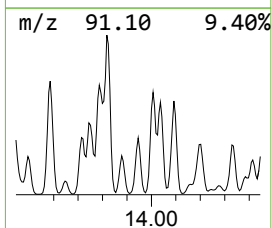
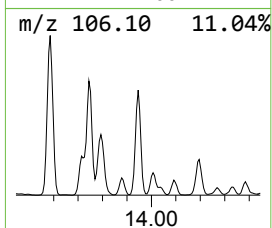
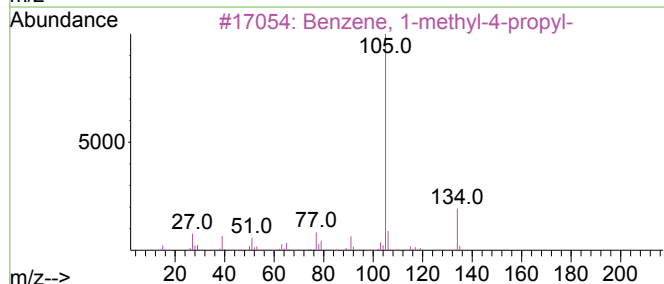
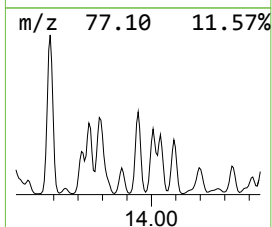
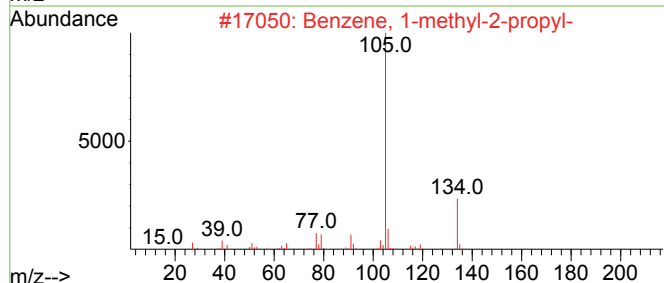
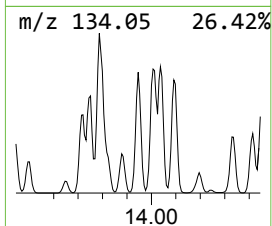
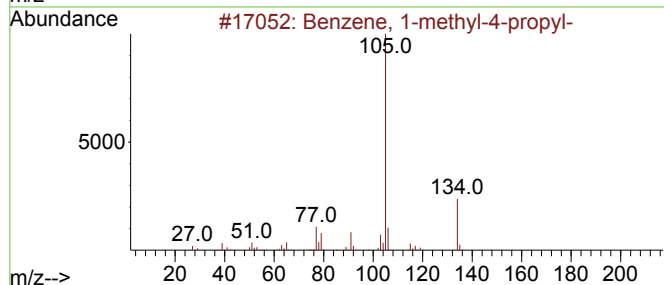
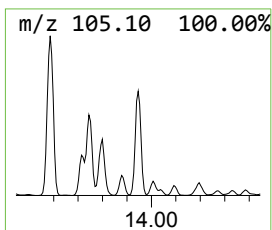
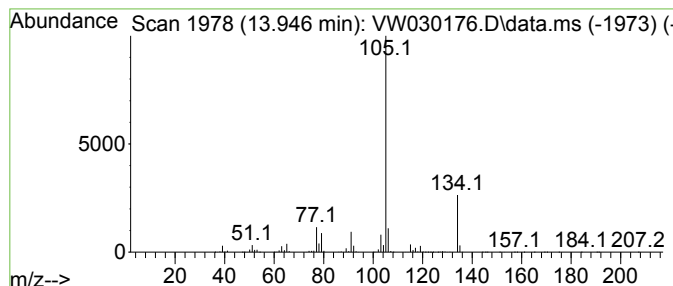
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-methyl-4-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	10.46 ug/L	16729000	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

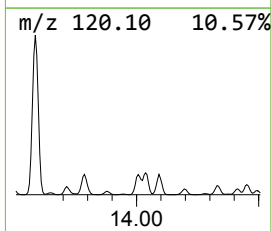
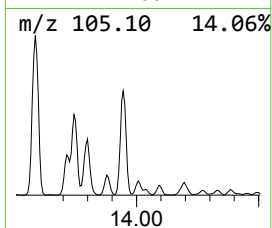
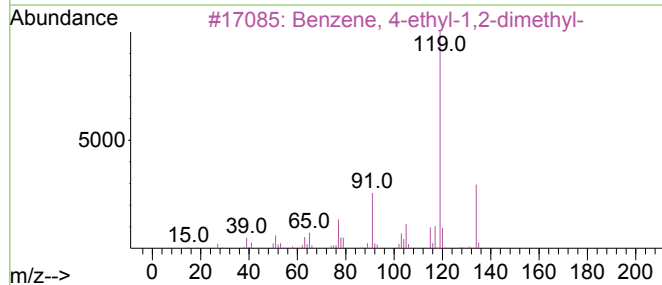
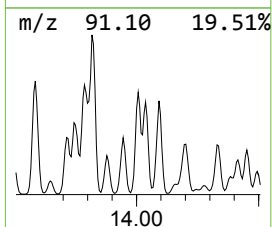
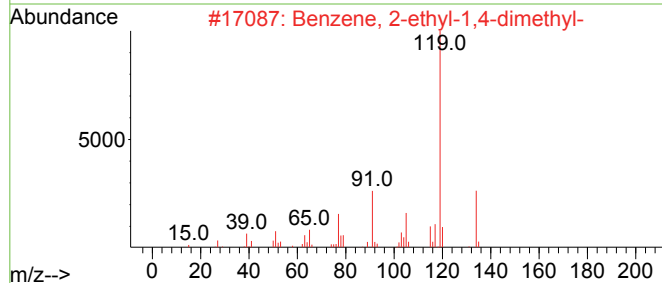
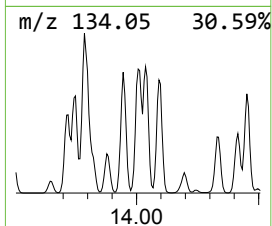
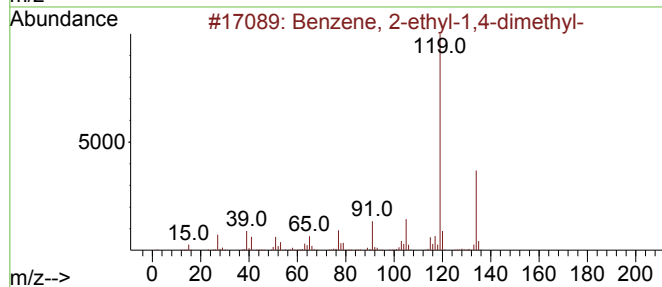
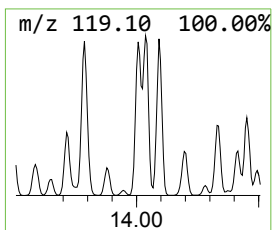
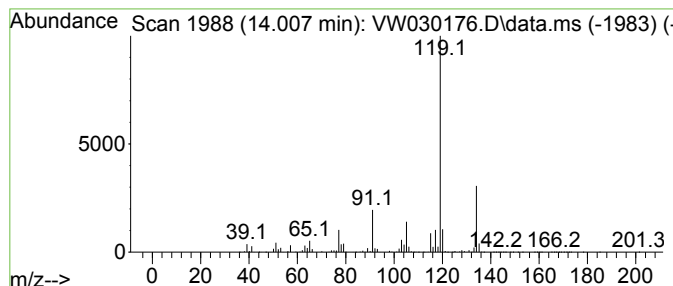
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	13.52 ug/L	21623700	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

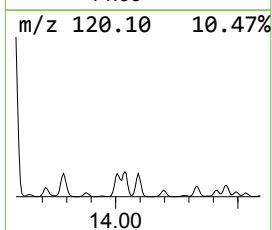
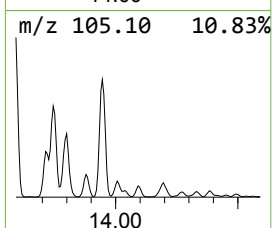
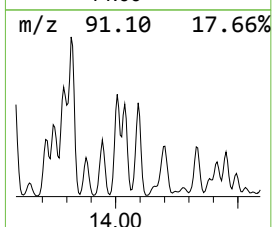
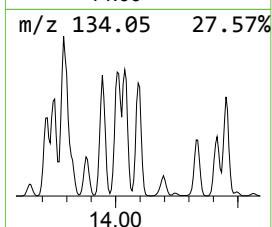
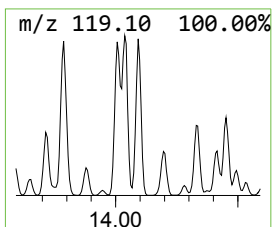
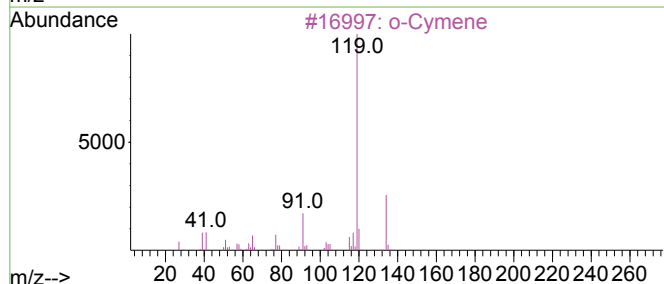
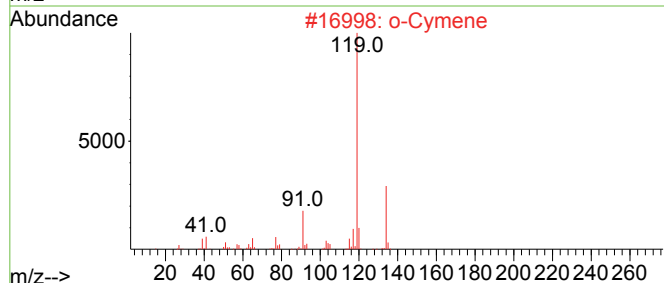
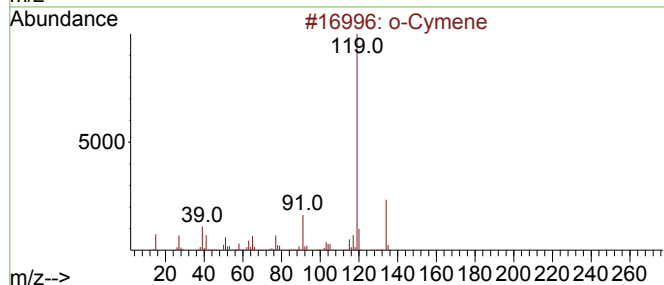
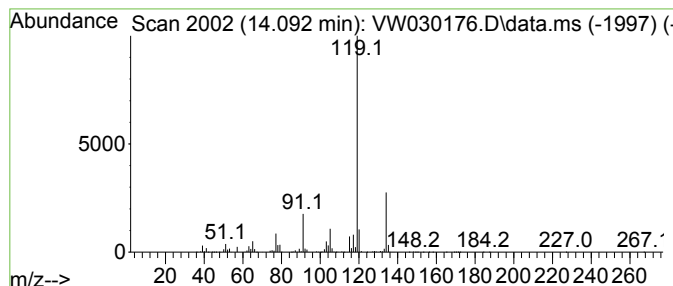
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Quant Title : SFAM01.0

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

Peak Number 37 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	11.79 ug/L	18861100	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			p-Cymene	134	C10H14	000099-87-6	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

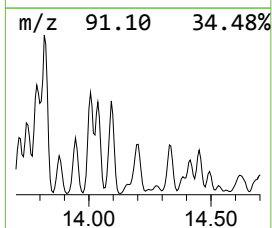
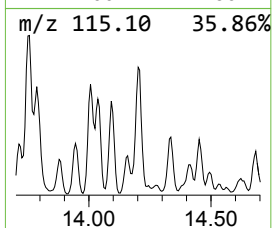
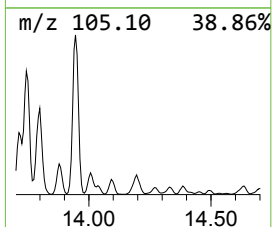
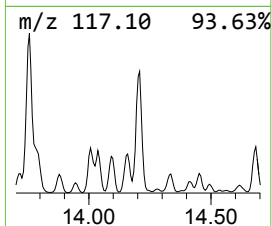
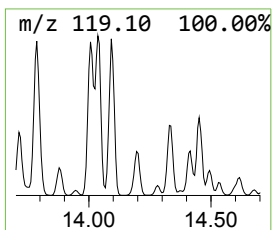
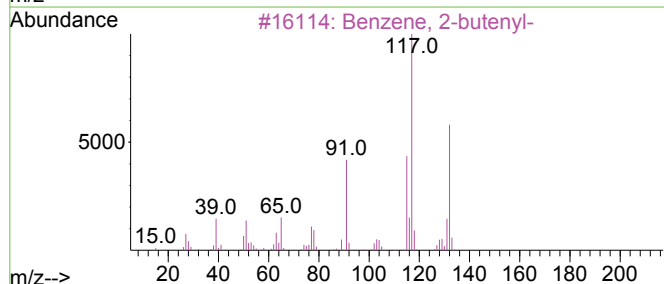
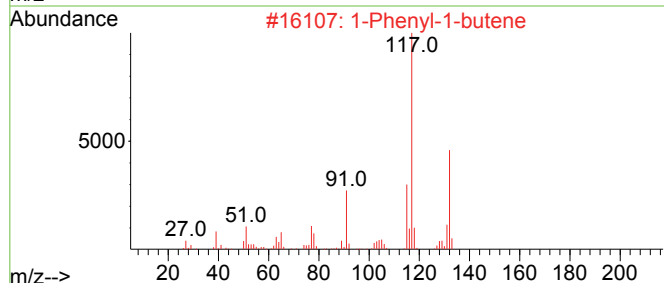
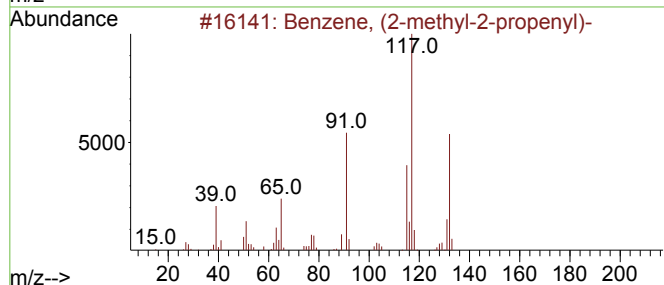
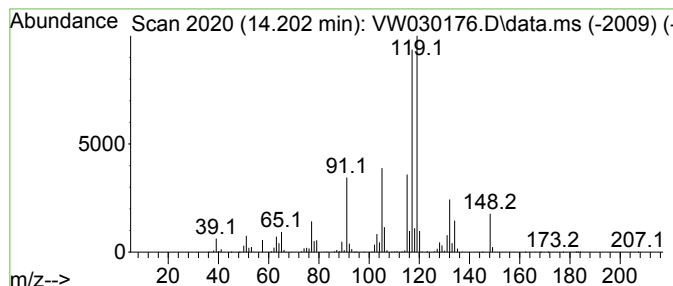
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Quant Title : SFAM01.0

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

Peak Number 38 Benzene, (2-methyl-2-propen... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	7.91 ug/L	12660800	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	89
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	89
3			Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

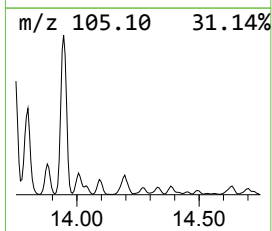
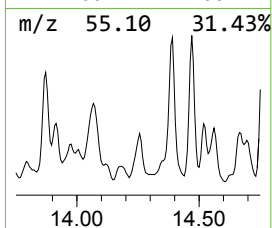
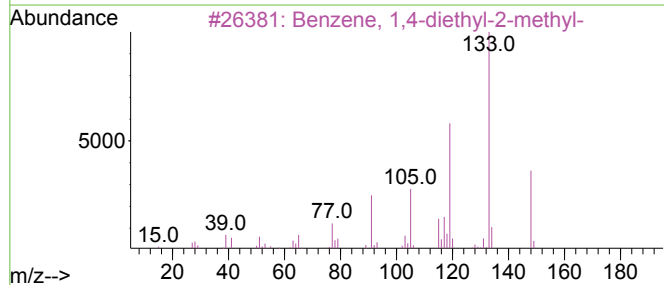
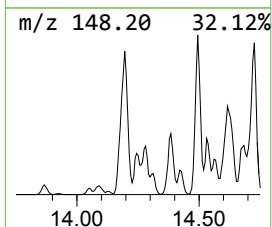
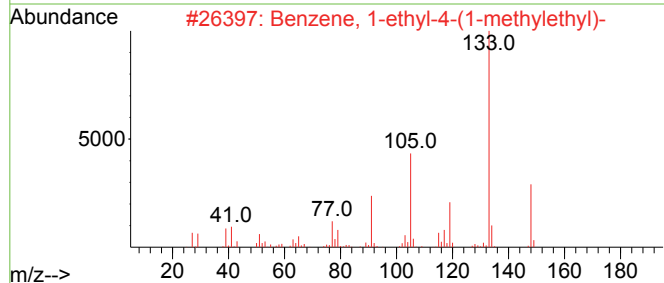
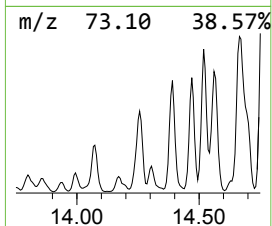
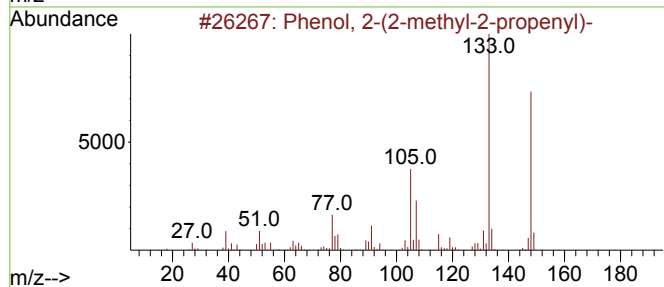
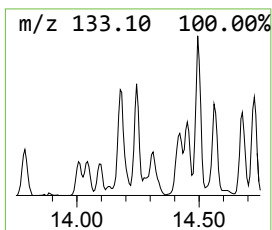
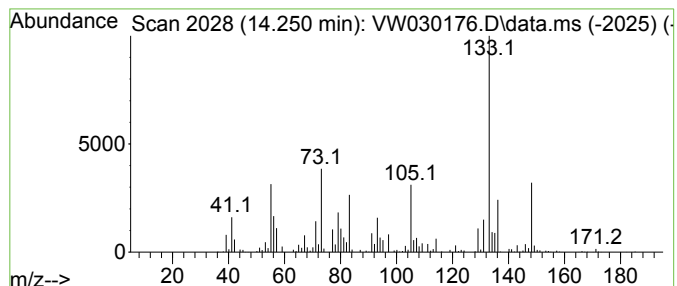
Instrument :
MSVOA_W
ClientSampleId :
DDC36

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Quant Title : SFAM01.0

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

Peak Number 39 Phenol, 2-(2-methyl-2-propenyl) Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.250	1.87 ug/L	2984890	1,4-Dichlorobenzene-d4		13.555	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenol, 2-(2-methyl-2-propenyl)-		148	C10H12O	020944-88-1	52
2	Benzene, 1-ethyl-4-(1-methylethyl)-		148	C11H16	004218-48-8	50
3	Benzene, 1,4-diethyl-2-methyl-		148	C11H16	013632-94-5	50
4	Benzene, 1-ethyl-4-(1-methylethyl)-		148	C11H16	004218-48-8	50
5	1,5,6,7-Tetramethylbicyclo[3.2.0]...		148	C11H16	134329-46-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

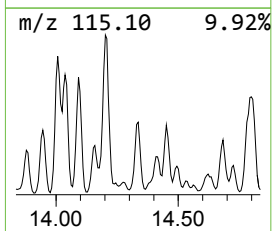
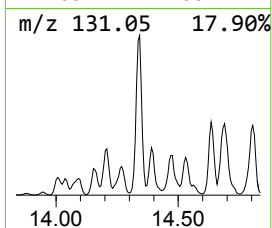
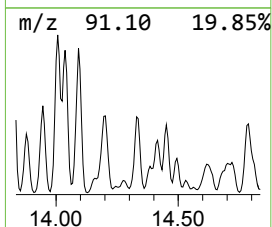
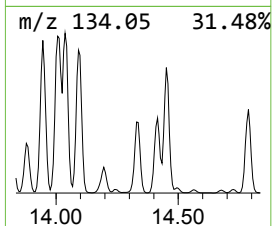
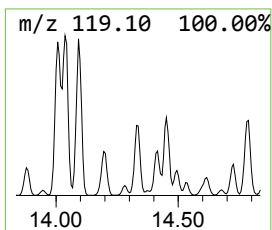
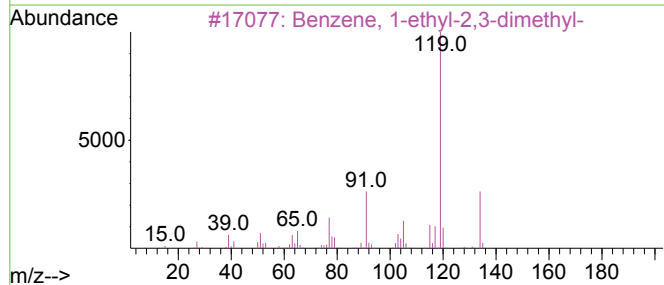
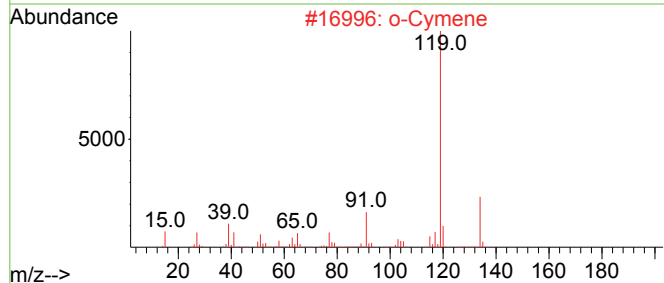
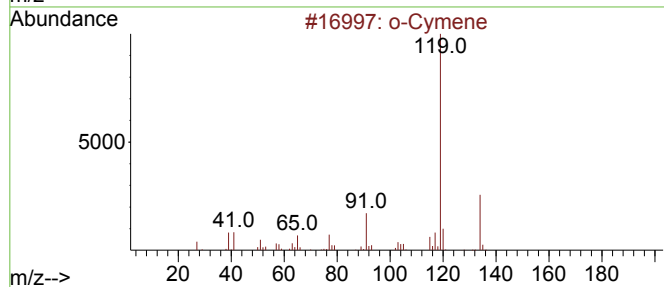
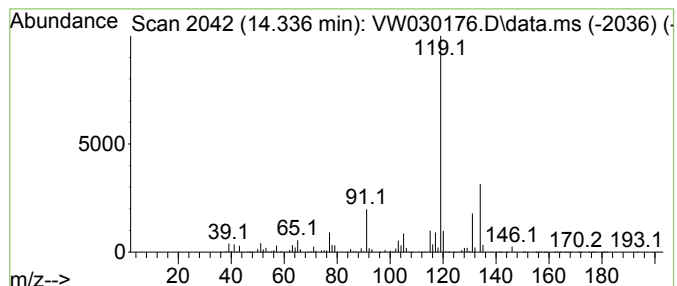
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	6.36 ug/L	10170100	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			o-Cymene	134	C10H14	000527-84-4	94
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

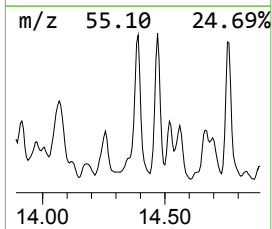
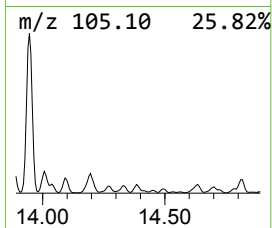
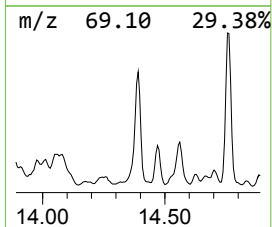
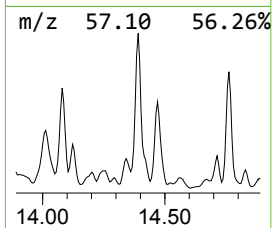
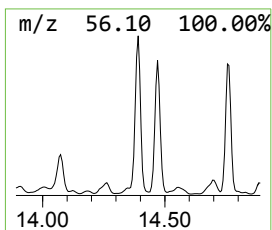
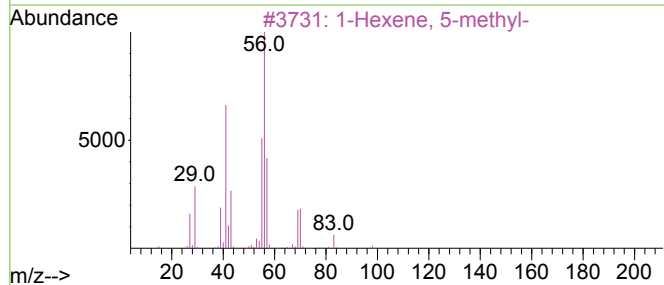
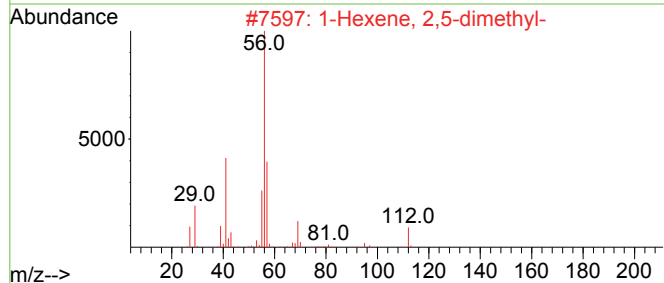
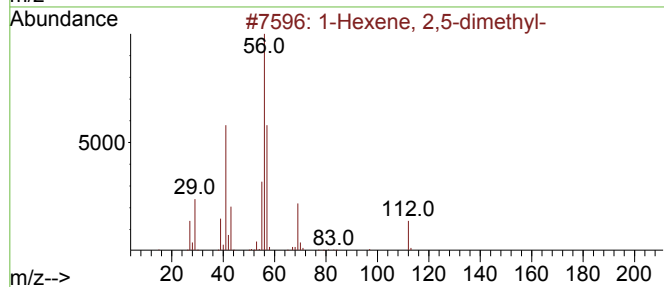
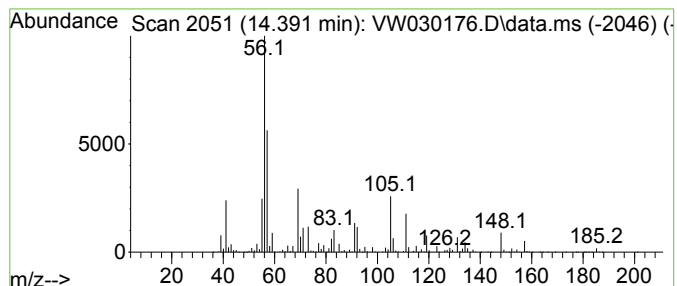
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.391	4.24 ug/L	6778610	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38	
2	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38	
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	38	
4	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	38	
5	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	37	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

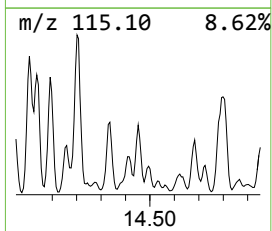
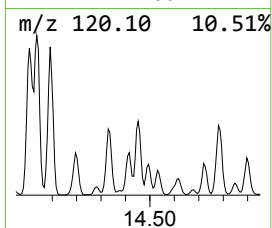
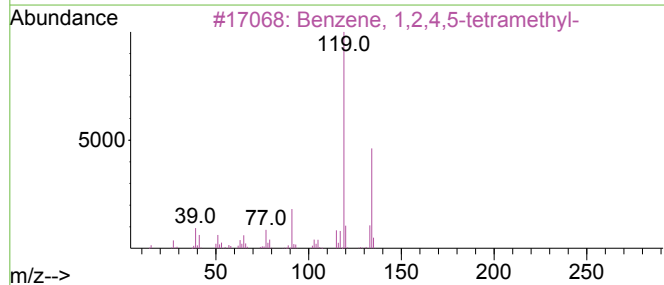
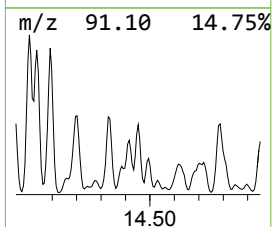
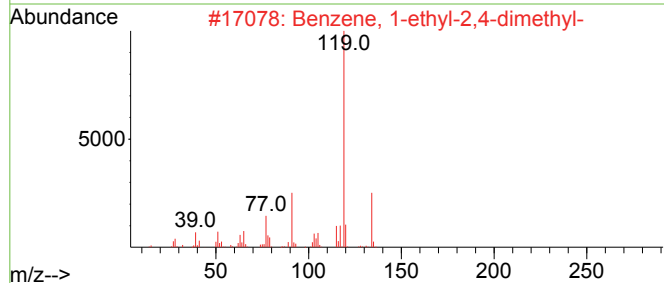
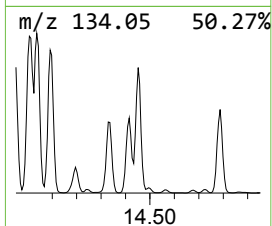
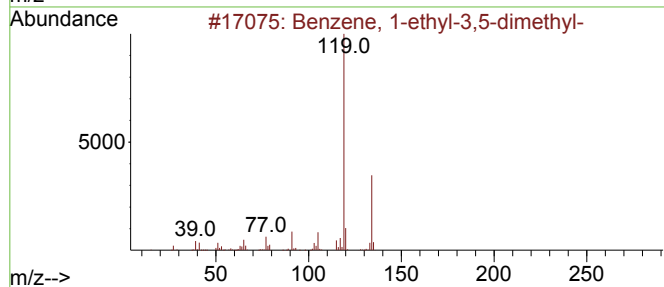
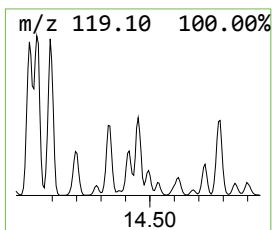
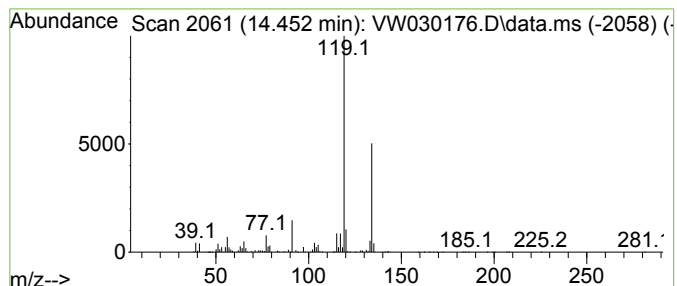
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	5.09 ug/L	8143030	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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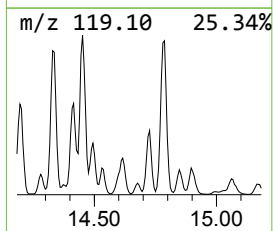
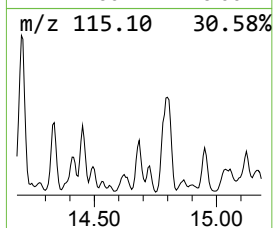
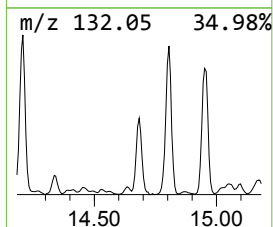
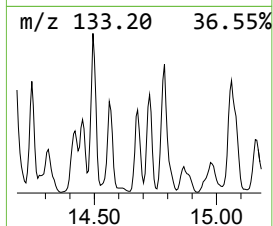
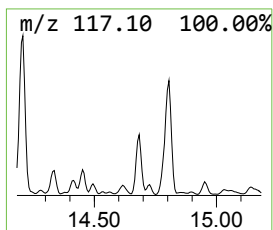
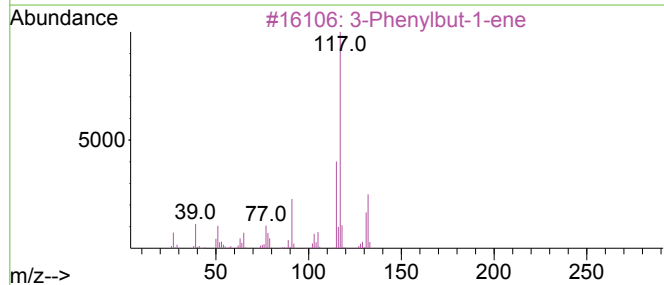
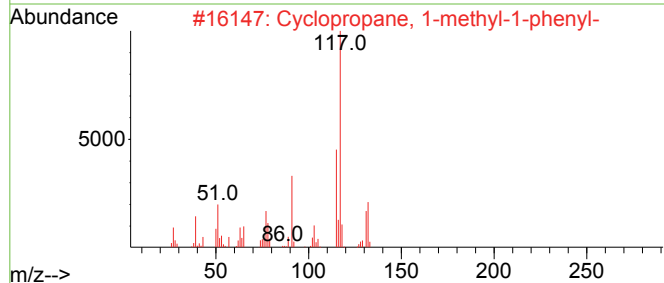
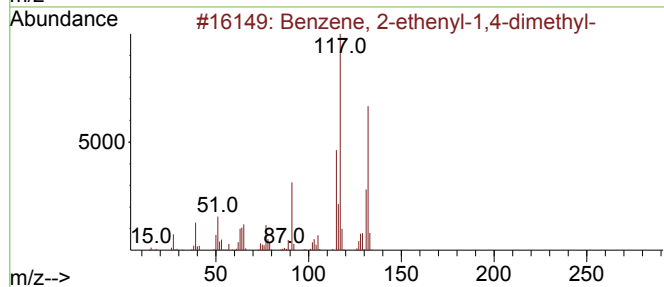
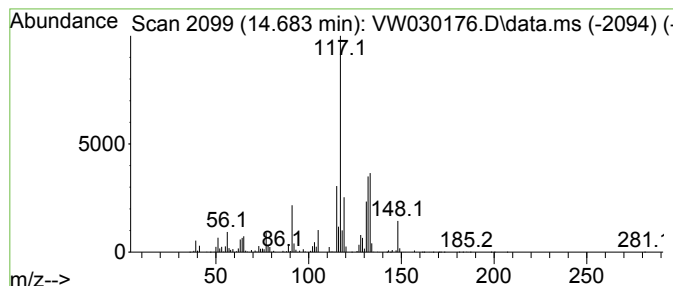
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.683	2.54 ug/L	4068370	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2			Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	76
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

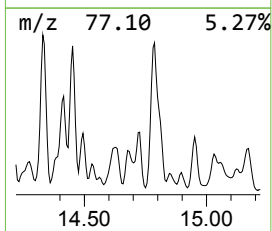
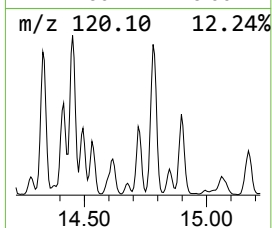
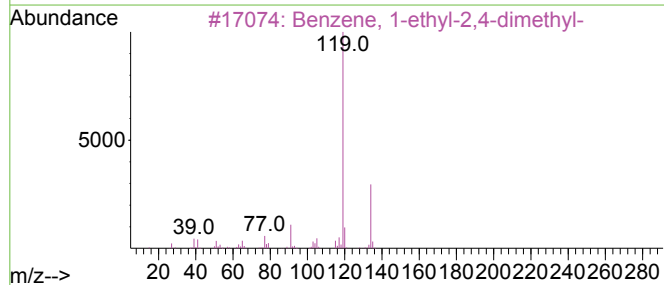
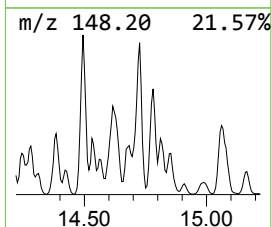
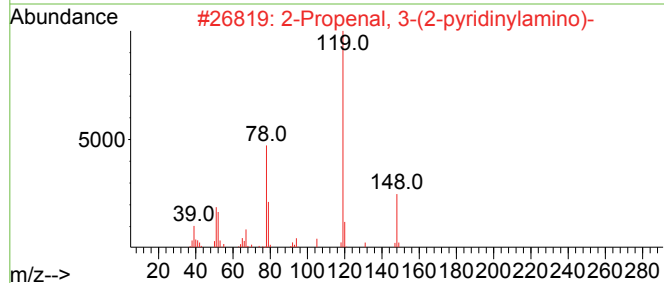
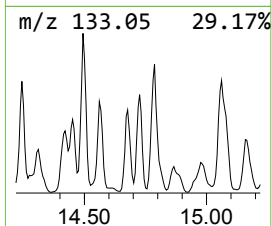
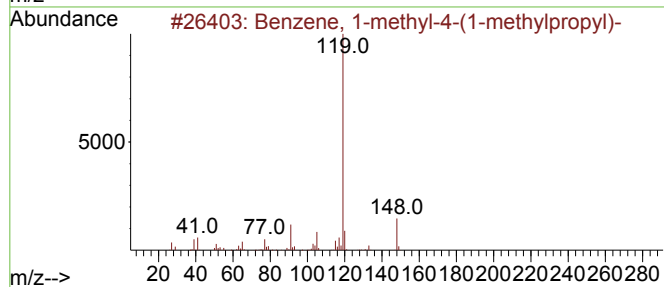
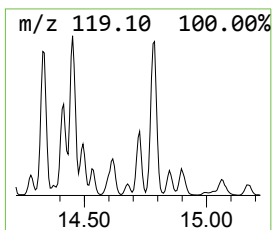
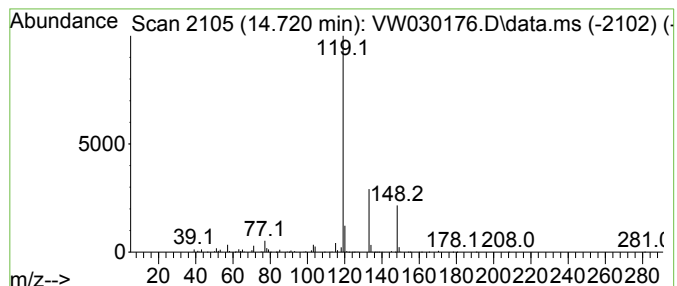
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Quant Title : SFAM01.0

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

Peak Number 45 2-Propenal, 3-(2-pyridinyla... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	1.38 ug/L	2203390	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53
5			Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

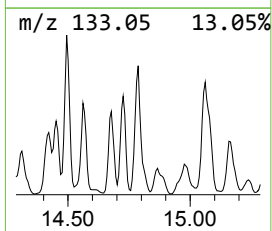
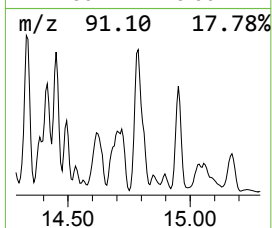
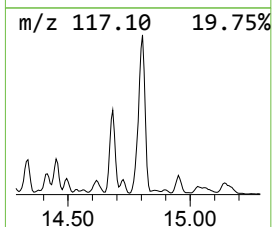
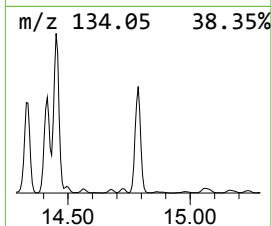
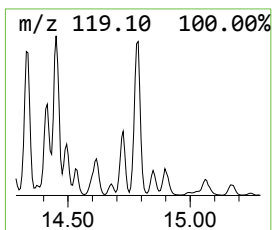
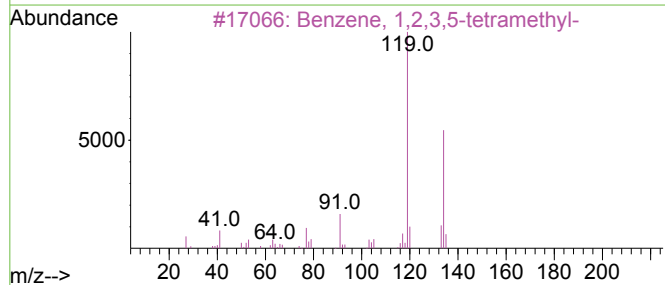
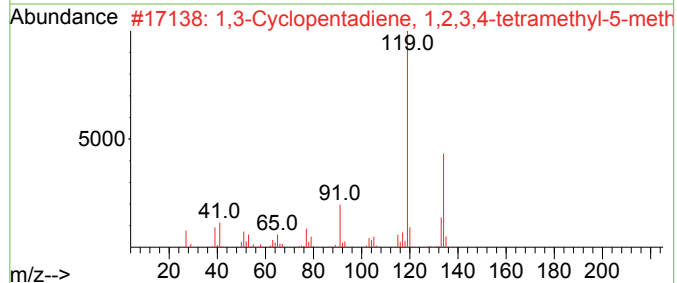
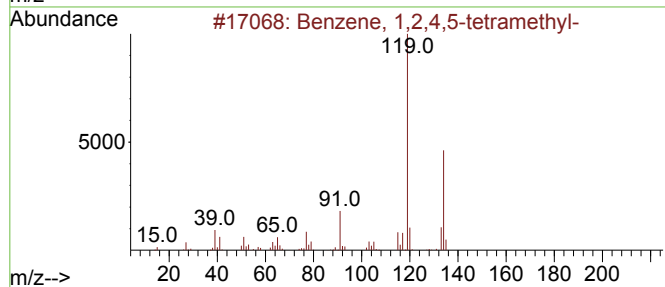
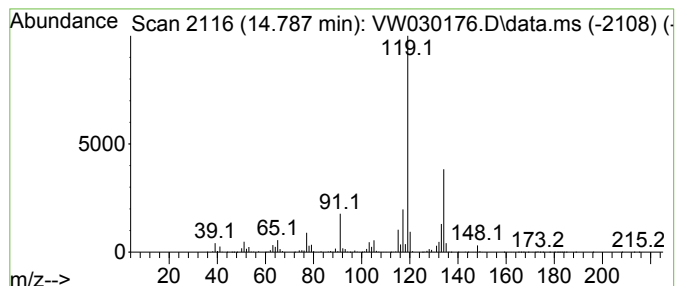
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Quant Title : SFAM01.0

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

Peak Number 46 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	11.71 ug/L	18731500	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

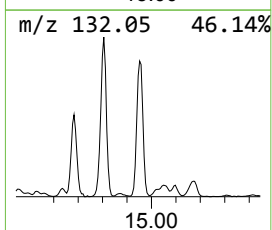
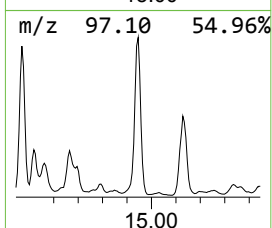
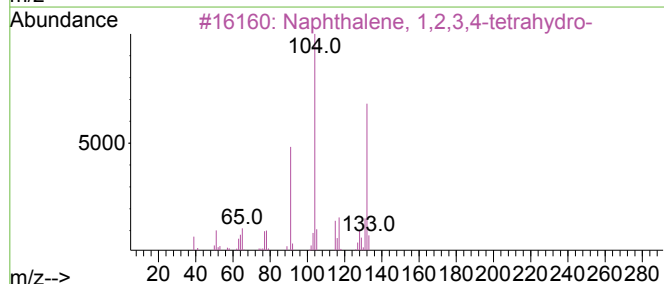
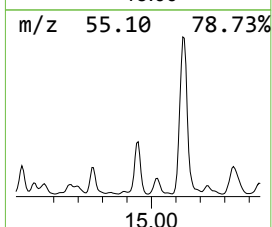
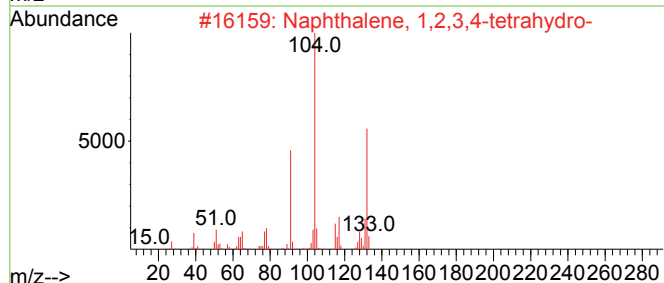
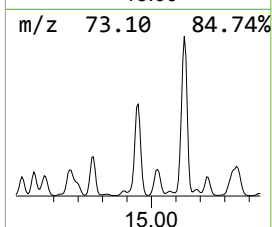
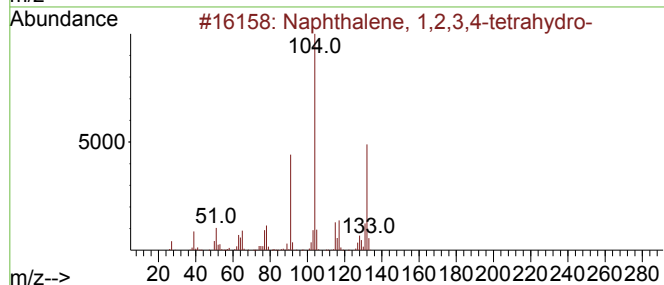
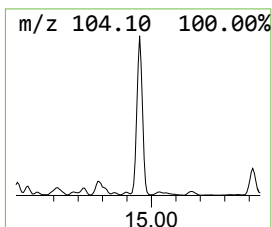
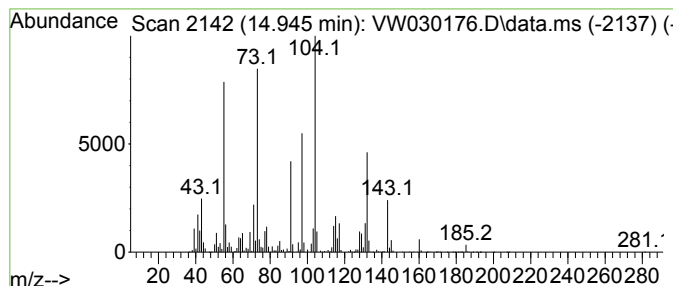
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Quant Title : SFAM01.0

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

Peak Number 47 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.945	5.36 ug/L	8573490	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
5			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

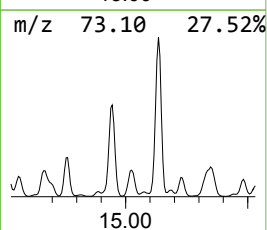
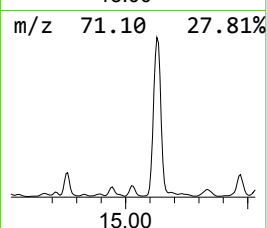
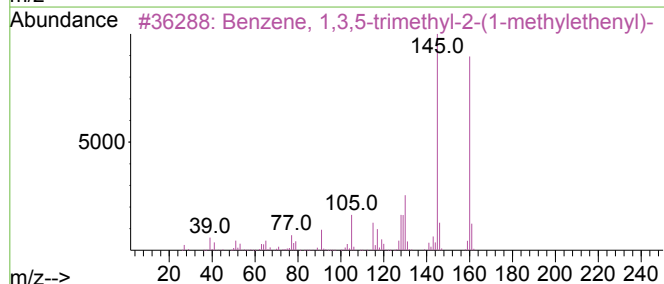
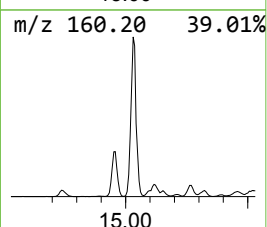
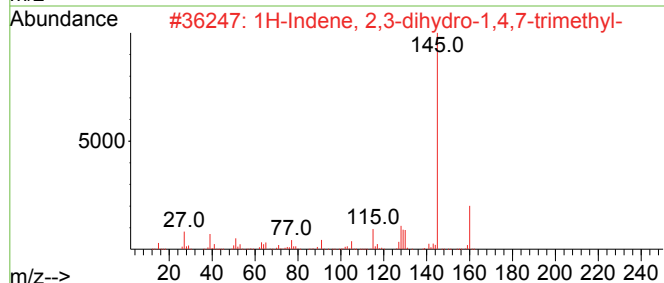
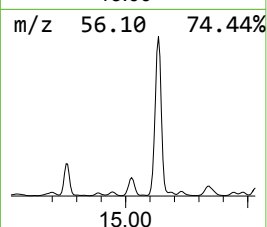
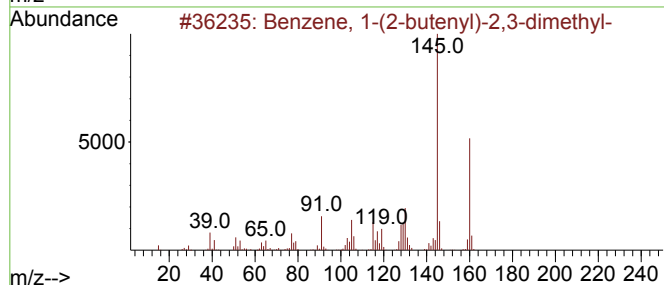
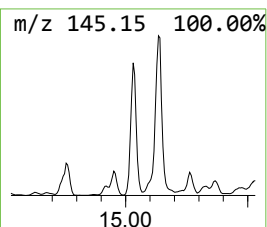
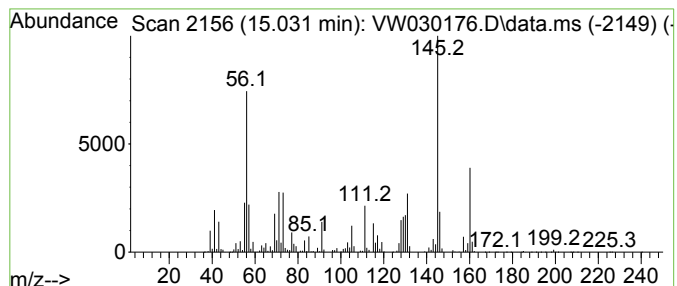
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Quant Title : SFAM01.0

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

Peak Number 48 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.031	4.16 ug/L	6649730	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
2			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50
4			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	49
5			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

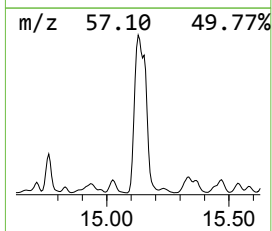
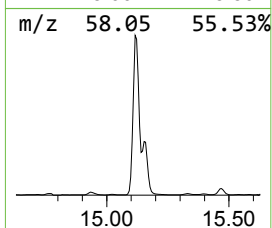
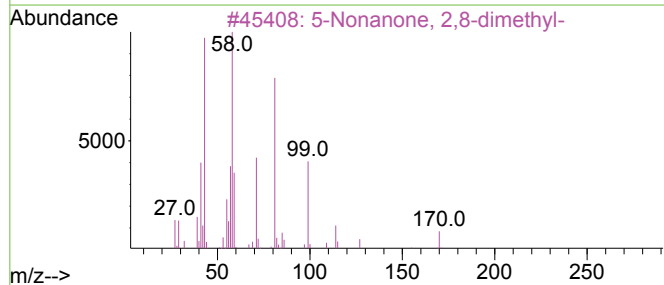
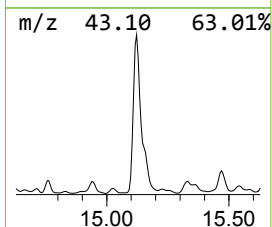
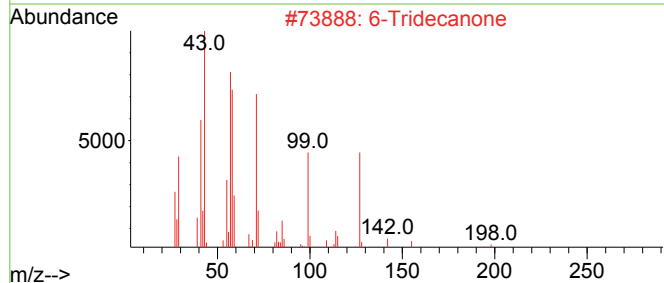
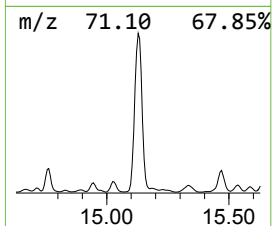
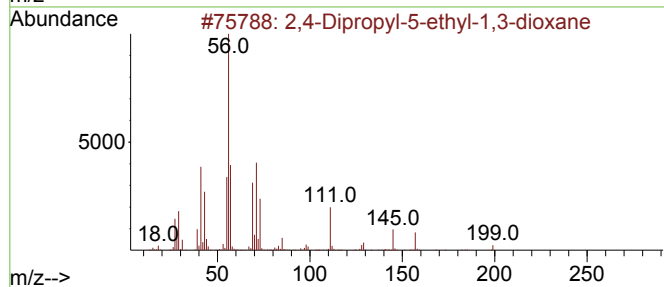
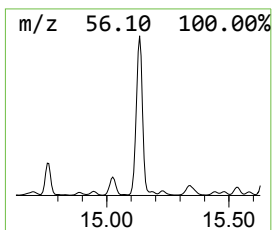
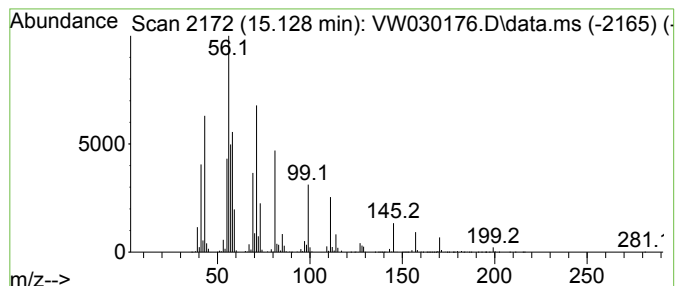
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Quant Title : SFAM01.0

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

Peak Number 49 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.128	40.11 ug/L	64171700	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	49
2		6-Tridecanone	198	C13H26O	022026-12-6	35
3		5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	30
4		5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	27
5		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

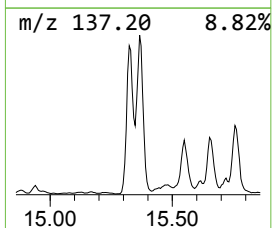
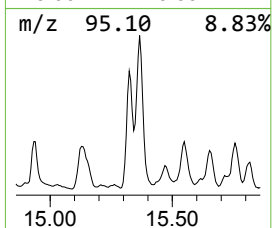
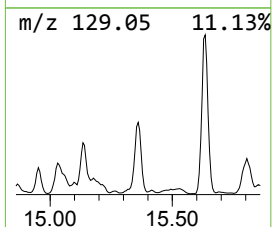
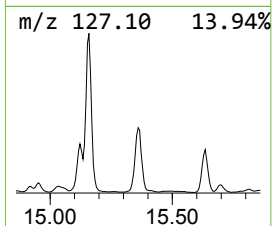
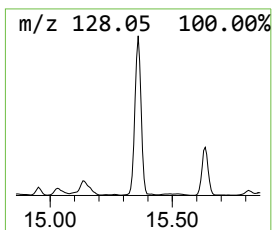
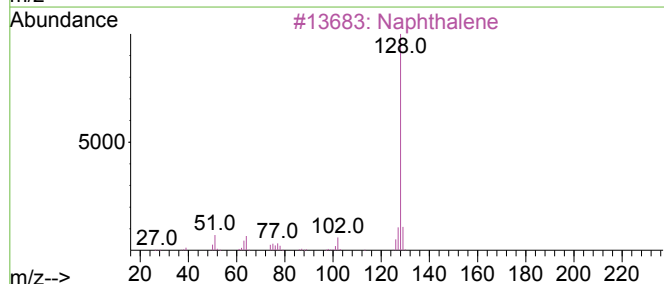
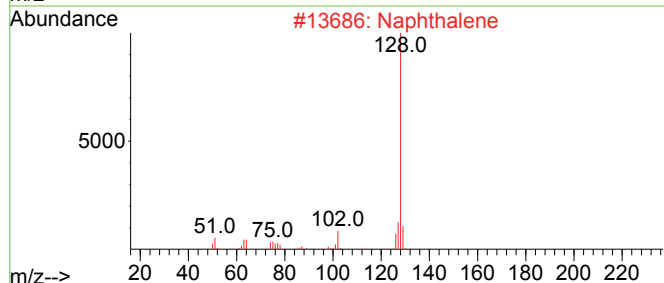
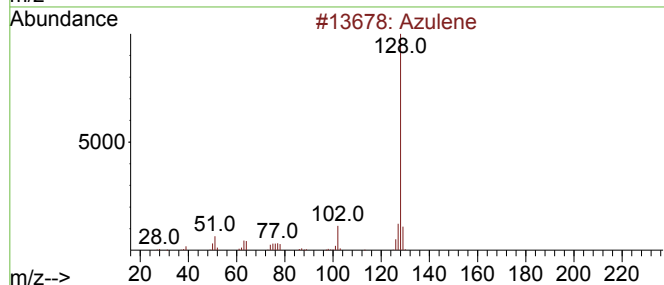
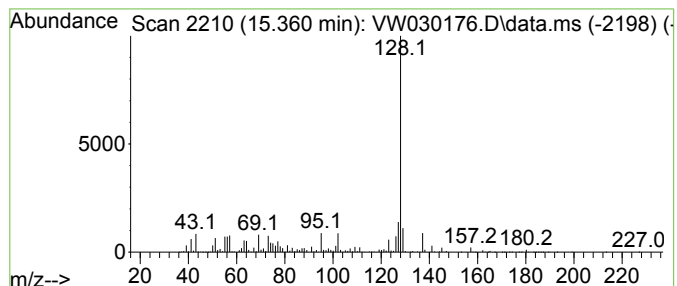
Instrument :
MSVOA_W
ClientSampleId :
DDC36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 50 Azulene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.360	9.45 ug/L	15116100	1,4-Dichlorobenzene-d4	13.555	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	94
2	Naphthalene	128	C10H8	000091-20-3	94
3	Naphthalene	128	C10H8	000091-20-3	93
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
5	Azulene	128	C10H8	000275-51-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

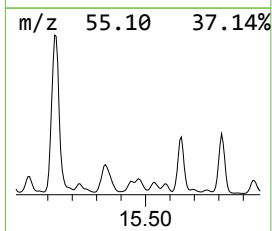
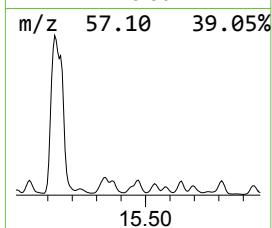
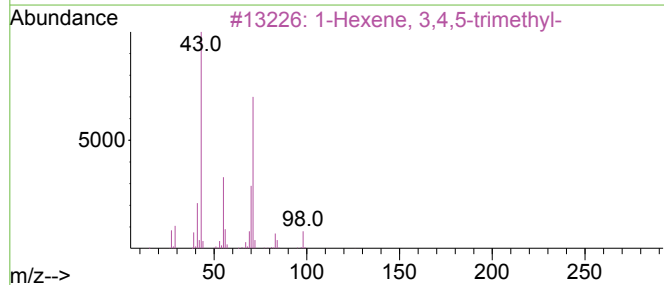
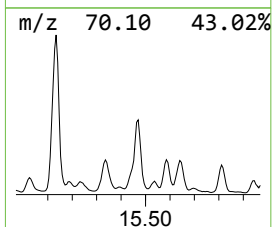
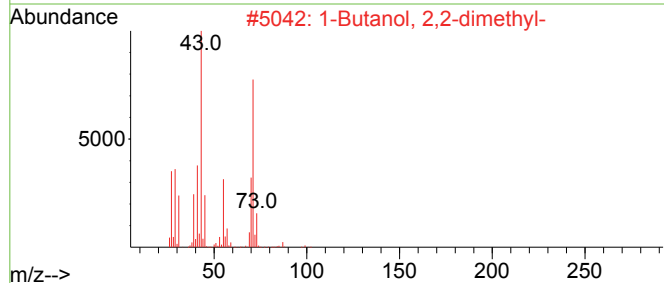
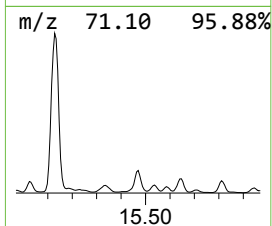
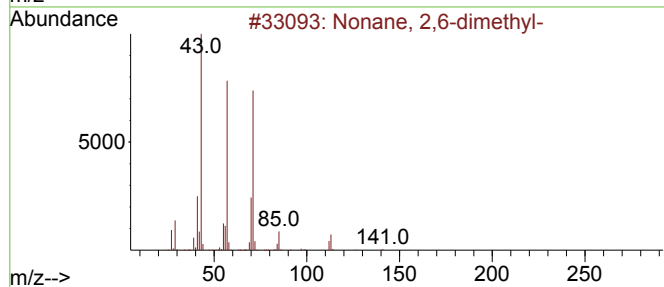
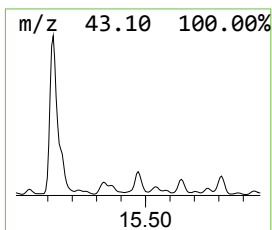
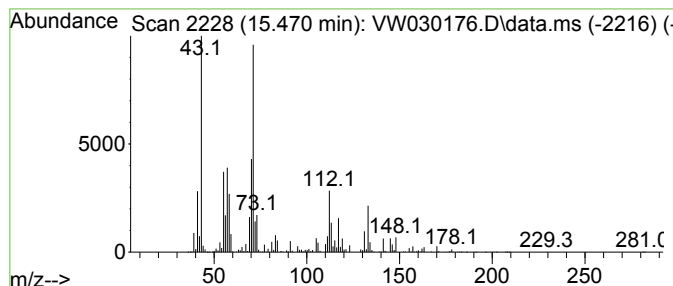
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.470	4.28 ug/L	6847830	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	47
2			1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	43
3			1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	43
4			1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	43
5			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

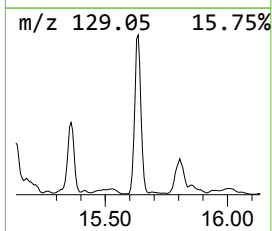
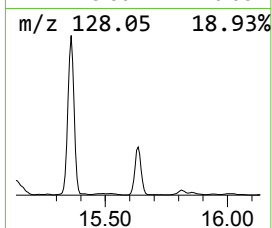
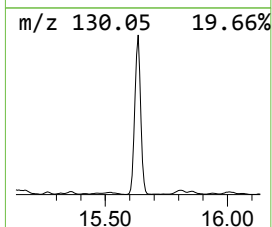
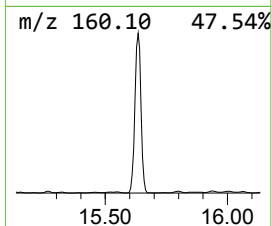
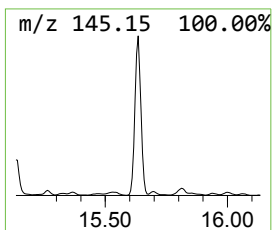
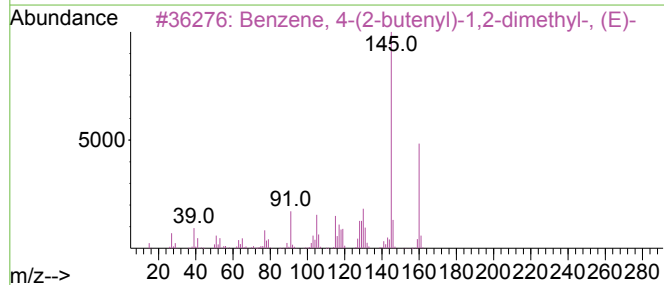
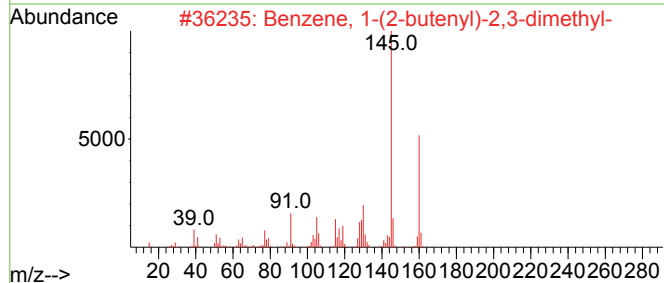
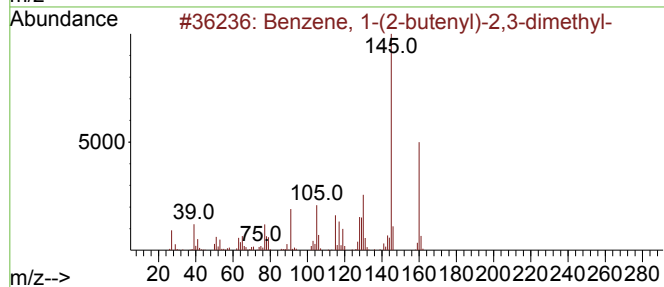
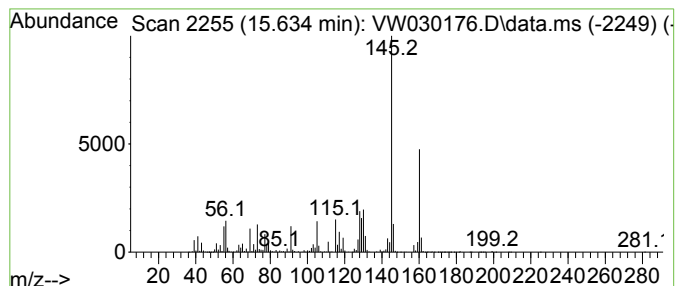
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Quant Title : SFAM01.0

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

Peak Number 53 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.634	14.06 ug/L	22489300	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	97
2			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	96
3			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	94
4			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	91
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

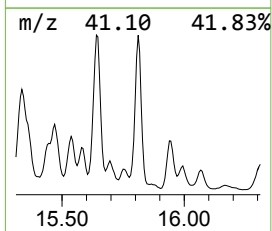
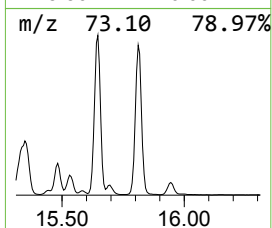
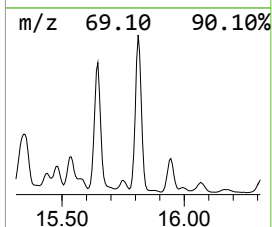
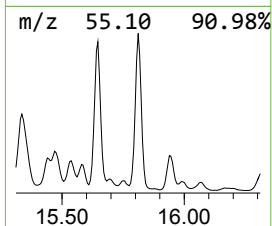
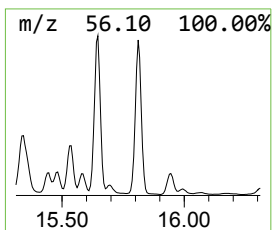
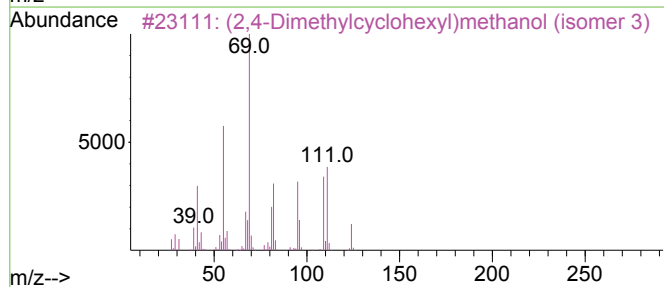
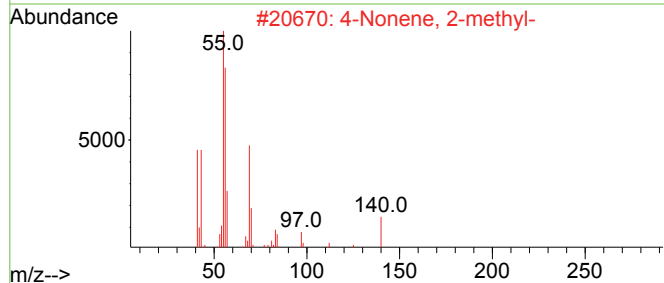
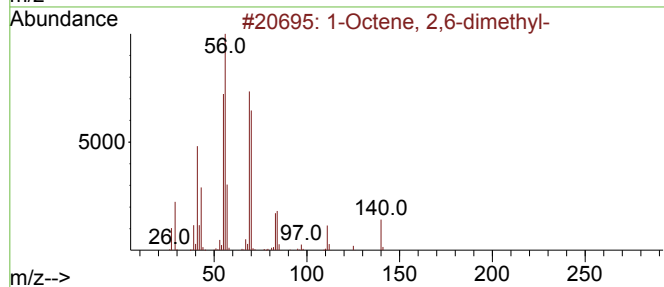
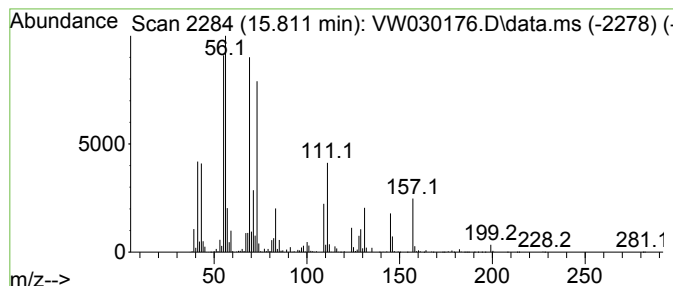
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.811	4.75 ug/L	7597130	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Octene, 2,6-dimethyl-	140	C10H20	006874-29-9	43
2		4-Nonene, 2-methyl-	140	C10H20	055724-84-0	38
3		(2,4-Dimethylcyclohexyl)methanol...	142	C9H18O	1000499-02-8	35
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	35
5		Cyclooctane, butyl-	168	C12H24	016538-93-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030176.D
Acq On : 20 Sep 2024 15:38
Operator : SY/MD
Sample : P4024-05
Misc : 10.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDC36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propanal, 2-met...	5.782	147.8	ug/L	7451720	1	8.843	1260440	25.0
Butanal	6.898	335.5	ug/L	16916600	1	8.843	1260440	25.0
(DEL) Alkane: S...	8.483	8.2	ug/L	413522	1	8.843	1260440	25.0
(DEL) Alkane: S...	8.697	12.8	ug/L	645517	1	8.843	1260440	25.0
1-Butanol	9.026	29.4	ug/L	1484210	1	8.843	1260440	25.0
(DEL) Alkane: S...	9.898	7.7	ug/L	390175	1	8.843	1260440	25.0
(DEL) Alkane: S...	10.093	10.7	ug/L	541020	1	8.843	1260440	25.0
(DEL) Alkane: S...	10.501	81.9	ug/L	1705480	2	11.629	520869	25.0
(DEL) Alkane: S...	11.038	24.3	ug/L	506818	2	11.629	520869	25.0
(DEL) Alkane: C...	11.111	23.5	ug/L	490035	2	11.629	520869	25.0
(DEL) Alkane: C...	11.178	71.0	ug/L	1480060	2	11.629	520869	25.0
(DEL) Alkane: C...	11.233	81.2	ug/L	1691210	2	11.629	520869	25.0
(DEL) Alkane: S...	11.336	87.5	ug/L	1823730	2	11.629	520869	25.0
(DEL) Alkane: S...	11.410	323.8	ug/L	6745540	2	11.629	520869	25.0
(DEL) Alkane: S...	11.513	222.1	ug/L	4627360	2	11.629	520869	25.0
Cyclopentane, 1...	11.916	158.0	ug/L	3291570	2	11.629	520869	25.0
(DEL) Alkane: C...	11.976	25.5	ug/L	530396	2	11.629	520869	25.0
(DEL) Alkane: S...	12.056	69.9	ug/L	1456830	2	11.629	520869	25.0
(DEL) Alkane: S...	12.251	200.4	ug/L	4175110	2	11.629	520869	25.0
(DEL) Alkane: C...	12.300	60.6	ug/L	1262860	2	11.629	520869	25.0
Pentalene, octa...	12.336	139.6	ug/L	2908360	2	11.629	520869	25.0
(DEL) Alkane: S...	12.537	113.7	ug/L	2368430	2	11.629	520869	25.0
unknown-01	12.568	197.4	ug/L	4112090	2	11.629	520869	25.0
Benzene, propyl-	12.800	15.6	ug/L	24895700	3	13.555	39996800	25.0
Benzene, 1-ethy...	12.867	46.0	ug/L	73680100	3	13.555	39996800	25.0
Benzene, 1-ethy...	13.104	13.5	ug/L	21577500	3	13.555	39996800	25.0
(DEL) Alkane: S...	13.165	1.6	ug/L	2577710	3	13.555	39996800	25.0
Benzene, (1-met...	13.379	4.9	ug/L	7832240	3	13.555	39996800	25.0
p-Cymene	13.446	13.7	ug/L	21840700	3	13.555	39996800	25.0
2-Propyl-1-pent...	13.647	6.5	ug/L	10373200	3	13.555	39996800	25.0
Benzene, 1,2-di...	13.714	7.5	ug/L	12083600	3	13.555	39996800	25.0
unknown-02	13.751	12.0	ug/L	19254400	3	13.555	39996800	25.0
Benzene, 1,2,3,...	13.787	18.8	ug/L	30092800	3	13.555	39996800	25.0
Benzene, 1-meth...	13.946	10.5	ug/L	16729000	3	13.555	39996800	25.0
Benzene, 2-ethy...	14.007	13.5	ug/L	21623700	3	13.555	39996800	25.0
o-Cymene	14.092	11.8	ug/L	18861100	3	13.555	39996800	25.0
Benzene, (2-met...	14.202	7.9	ug/L	12660800	3	13.555	39996800	25.0
Phenol, 2-(2-me...	14.250	1.9	ug/L	2984890	3	13.555	39996800	25.0
Benzene, 1-ethy...	14.336	6.4	ug/L	10170100	3	13.555	39996800	25.0
(DEL) Alkane: S...	14.391	4.2	ug/L	6778610	3	13.555	39996800	25.0
Benzene, 1-ethy...	14.452	5.1	ug/L	8143030	3	13.555	39996800	25.0
Benzene, 2-ethe...	14.683	2.5	ug/L	4068370	3	13.555	39996800	25.0
2-Propenal, 3-(...	14.720	1.4	ug/L	2203390	3	13.555	39996800	25.0
1,3-Cyclopentad...	14.787	11.7	ug/L	18731500	3	13.555	39996800	25.0
Naphthalene, 1,...	14.945	5.4	ug/L	8573490	3	13.555	39996800	25.0
Benzene, 1,3,5-...	15.031	4.2	ug/L	6649730	3	13.555	39996800	25.0
unknown-03	15.128	40.1	ug/L	64171700	3	13.555	39996800	25.0
Azulene	15.360	9.4	ug/L	15116100	3	13.555	39996800	25.0
(DEL) Alkane: S...	15.470	4.3	ug/L	6847830	3	13.555	39996800	25.0
Benzene, 1-(2-b...	15.634	14.1	ug/L	22489300	3	13.555	39996800	25.0
(DEL) Alkane: S...	15.811	4.8	ug/L	7597130	3	13.555	39996800	25.0