

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
 Data File : VW030174.D
 Acq On : 20 Sep 2024 14:26
 Operator : SY/MD
 Sample : P4024-01
 Misc : 5.92g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DDCD5

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: VW030174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	74	78	86	rVB	73577	170157	0.08%	0.008%
2	3.033	181	188	203	rVB	102637	268974	0.13%	0.012%
3	3.399	239	248	267	rVB2	106945	307445	0.15%	0.014%
4	4.003	335	347	353	rBV	533549	1785946	0.87%	0.082%
5	4.131	362	368	382	rVB	409088	1257397	0.61%	0.058%
6	4.393	405	411	432	rVB	40728	160948	0.08%	0.007%
7	4.966	482	505	536	rBV	505180	2855742	1.39%	0.132%
8	5.447	571	584	610	rBV	390346	1662653	0.81%	0.077%
9	5.789	626	640	655	rBV	2912124	9637372	4.70%	0.444%
10	5.947	655	666	687	rVV	1146635	4197251	2.05%	0.193%
11	6.222	703	711	718	rBV2	67821	205318	0.10%	0.009%
12	6.728	782	794	808	rBV3	122307	522113	0.25%	0.024%
13	6.904	808	823	832	rVV	10525513	32073711	15.64%	1.478%
14	6.990	832	837	861	rVB	800334	2875996	1.40%	0.133%
15	7.417	898	907	915	rBV	110056	319982	0.16%	0.015%
16	7.514	915	923	935	rVV4	68046	304777	0.15%	0.014%
17	7.648	936	945	950	rVV	282000	803504	0.39%	0.037%
18	7.709	951	955	972	rVB4	206871	702879	0.34%	0.032%
19	7.880	972	983	986	rBV	2009547	5207741	2.54%	0.240%
20	7.929	987	991	1003	rVV3	2551394	8723114	4.25%	0.402%
21	8.038	1003	1009	1021	rVV	1360952	4625423	2.25%	0.213%
22	8.160	1021	1029	1043	rVV	2903319	8916901	4.35%	0.411%
23	8.276	1043	1048	1050	rVV2	643363	1331325	0.65%	0.061%
24	8.325	1050	1056	1065	rVB	2201177	5101659	2.49%	0.235%
25	8.490	1065	1083	1109	rBV	3865204	17847728	8.70%	0.823%
26	8.697	1109	1117	1134	rBV	6524803	13784655	6.72%	0.635%
27	8.837	1134	1140	1147	rBV2	623929	1288583	0.63%	0.059%
28	9.032	1161	1172	1175	rBV2	292575	665357	0.32%	0.031%
29	9.093	1175	1182	1189	rVV	4717105	9430737	4.60%	0.435%
30	9.154	1189	1192	1205	rVB	263203	707005	0.34%	0.033%
31	9.343	1205	1223	1241	rBV2	5058888	20664420	10.07%	0.952%
32	9.477	1241	1245	1247	rVV	291949	567018	0.28%	0.026%
33	9.520	1247	1252	1258	rVV2	558046	1290454	0.63%	0.059%
34	9.611	1258	1267	1277	rVB2	536861	1954671	0.95%	0.090%
35	9.770	1284	1293	1304	rBV	3006553	8607113	4.20%	0.397%
36	9.904	1306	1315	1320	rBV	4259468	11336346	5.53%	0.523%

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

37	9.965	1320	1325	1340	rVB2	5701984	18634068	9.08%	0.859%
38	10.105	1340	1348	1360	rBV	5755869	16096052	7.85%	0.742%
39	10.209	1360	1365	1370	rBV	1744920	3257390	1.59%	0.150%
40	10.264	1370	1374	1379	rVV	1335715	2738842	1.34%	0.126%
41	10.331	1379	1385	1388	rVV2	3041656	6452394	3.15%	0.297%
42	10.392	1388	1395	1403	rVB2	32464355	72989134	35.58%	3.364%
43	10.507	1406	1414	1429	rVB	16400758	35768139	17.44%	1.649%
44	10.629	1429	1434	1435	rBV2	250976	354283	0.17%	0.016%
45	10.678	1436	1442	1450	rVB	2256212	5341533	2.60%	0.246%
46	10.776	1450	1458	1466	rBV4	1664079	5890493	2.87%	0.272%
47	10.861	1466	1472	1478	rVB2	4676074	9231209	4.50%	0.425%
48	10.940	1478	1485	1498	rBV	16316336	46478122	22.66%	2.142%
49	11.056	1498	1504	1510	rVV	3543894	9756779	4.76%	0.450%
50	11.123	1510	1515	1520	rVV3	2546084	6586375	3.21%	0.304%
51	11.184	1520	1525	1530	rVV	6730381	15314351	7.47%	0.706%
52	11.245	1530	1535	1546	rVV	7502850	20877366	10.18%	0.962%
53	11.349	1546	1552	1557	rVV2	7825068	20712399	10.10%	0.955%
54	11.428	1557	1565	1575	rVV6	24542996	82131106	40.04%	3.786%
55	11.526	1575	1581	1594	rVB	20674326	54757631	26.69%	2.524%
56	11.733	1608	1615	1621	rBV2	17423757	35941697	17.52%	1.657%
57	11.855	1625	1635	1644	rBV5	53593841	205137355	100.00%	9.455%
58	12.001	1655	1659	1664	rBV4	1546870	3988793	1.94%	0.184%
59	12.080	1665	1672	1677	rBV3	9628471	21998649	10.72%	1.014%
60	12.172	1677	1687	1696	rBV3	37893738	128188248	62.49%	5.908%
61	12.275	1697	1704	1709	rVB	21072684	51225153	24.97%	2.361%
62	12.385	1709	1722	1732	rBV8	26230598	118926079	57.97%	5.482%
63	12.477	1732	1737	1740	rBV2	11489843	22299229	10.87%	1.028%
64	12.672	1761	1769	1774	rBV2	25603166	60784408	29.63%	2.802%
65	12.720	1774	1777	1782	rVV5	9483586	17275229	8.42%	0.796%
66	12.812	1785	1792	1797	rVB3	23837697	57160222	27.86%	2.635%
67	12.885	1797	1804	1808	rBV3	42449445	117135708	57.10%	5.399%
68	12.958	1811	1816	1821	rVV3	55758868	137585125	67.07%	6.342%
69	13.007	1821	1824	1827	rVV4	9493908	14383918	7.01%	0.663%
70	13.044	1827	1830	1834	rVB	12299485	17414654	8.49%	0.803%
71	13.117	1834	1842	1848	rBV4	32418079	91671419	44.69%	4.225%
72	13.178	1848	1852	1857	rVB3	15807340	26434858	12.89%	1.218%
73	13.269	1860	1867	1876	rVB4	50916174	139986686	68.24%	6.452%
74	13.355	1876	1881	1883	rBV	5413668	9387511	4.58%	0.433%
75	13.452	1891	1897	1901	rBV4	21501761	46981213	22.90%	2.165%
76	13.550	1911	1913	1916	rVB	5369450	5576405	2.72%	0.257%

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 Title : SFAM01.0

77	13.592	1916	1920	1924	rVV	21330587	33196441	16.18%	1.530%
78	13.647	1926	1929	1934	rVB2	13571450	20004604	9.75%	0.922%
79	13.720	1936	1941	1943	rBV2	5847548	9803740	4.78%	0.452%
80	13.751	1943	1946	1950	rVV2	12635741	21286150	10.38%	0.981%
81	13.793	1950	1953	1961	rVB4	11734810	24690249	12.04%	1.138%
82	13.873	1961	1966	1974	rBV3	20462915	40970496	19.97%	1.888%
83	13.946	1974	1978	1984	rVB	7807548	11386519	5.55%	0.525%
84	14.007	1984	1988	1991	rBV2	5735056	8904735	4.34%	0.410%
85	14.050	1991	1995	1999	rVV2	9487922	16442818	8.02%	0.758%
86	14.092	1999	2002	2010	rVB	6109010	11017104	5.37%	0.508%
87	14.196	2010	2019	2025	rVB3	3174971	6026237	2.94%	0.278%
88	14.263	2026	2030	2037	rVB8	1011018	2276350	1.11%	0.105%
89	14.336	2037	2042	2046	rBV2	1673752	2710142	1.32%	0.125%
90	14.385	2046	2050	2053	rBV3	2323185	3486821	1.70%	0.161%
91	14.415	2053	2055	2058	rVB2	1263180	1359504	0.66%	0.063%
92	14.452	2058	2061	2065	rVB2	501515	570353	0.28%	0.026%
93	14.488	2065	2067	2070	rVB2	586482	629700	0.31%	0.029%
94	14.525	2070	2073	2081	rVB7	788101	1872967	0.91%	0.086%
95	14.616	2081	2088	2094	rVB2	427492	1297411	0.63%	0.060%
96	14.714	2095	2104	2108	rBV5	962372	1931935	0.94%	0.089%
97	14.781	2108	2115	2124	rVB4	652975	2051168	1.00%	0.095%
98	14.946	2138	2142	2147	rVB2	262294	427008	0.21%	0.020%
99	15.116	2165	2170	2184	rVB4	638013	1661771	0.81%	0.077%
100	15.354	2204	2209	2221	rVV	273392	557980	0.27%	0.026%

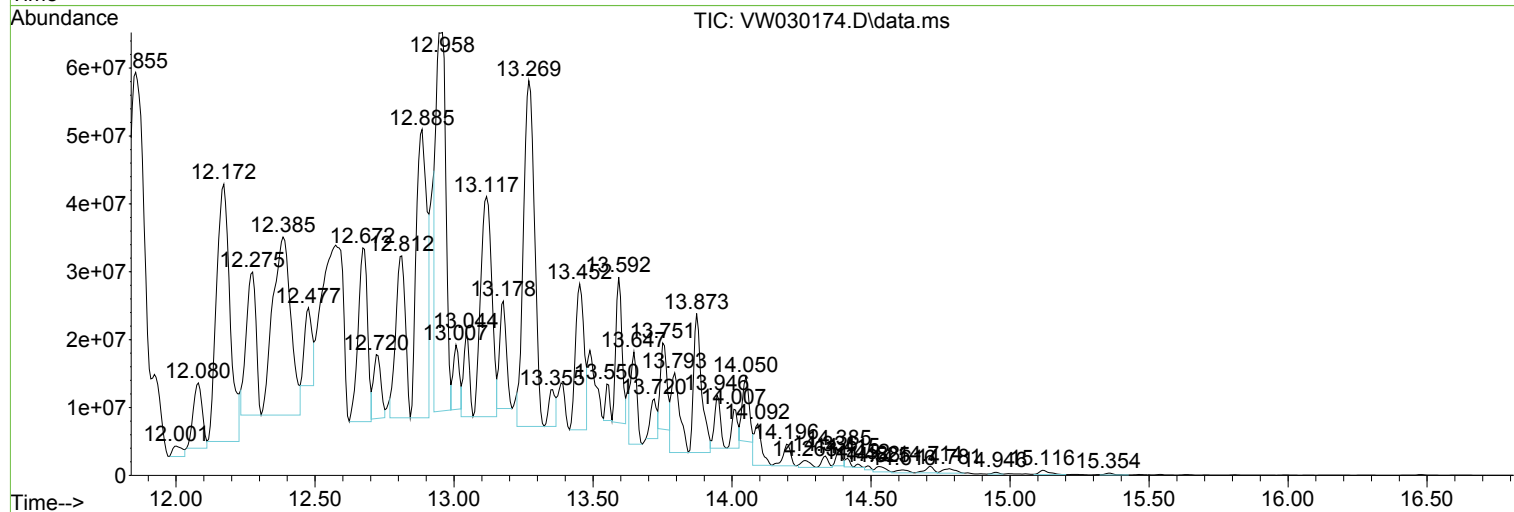
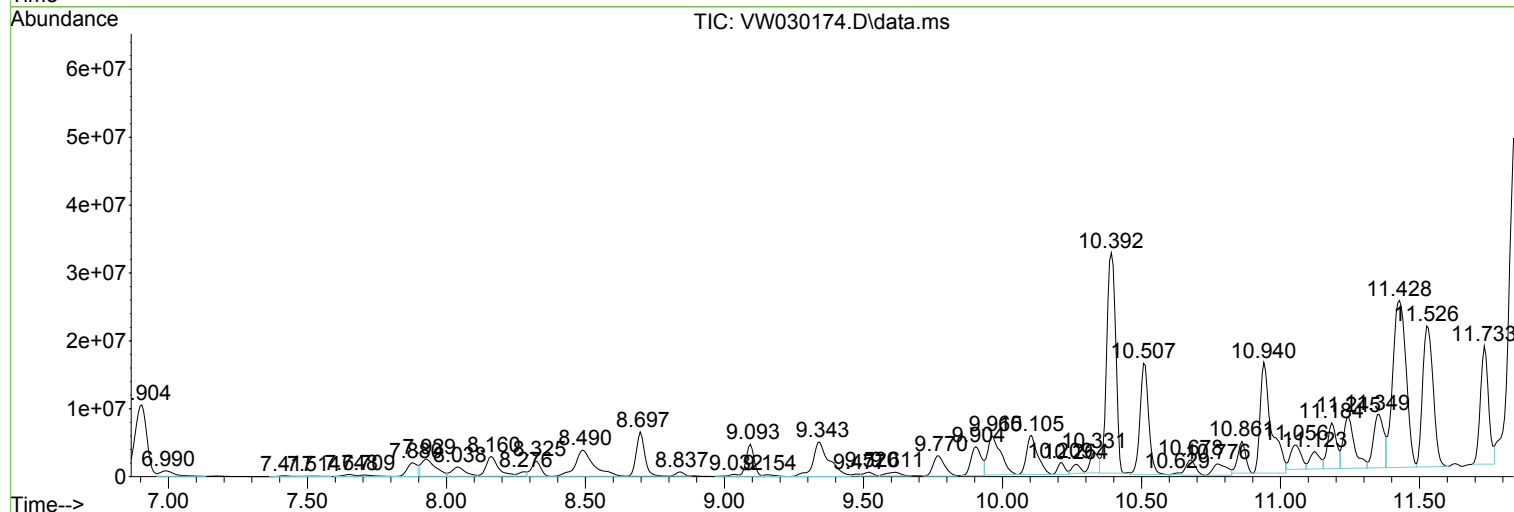
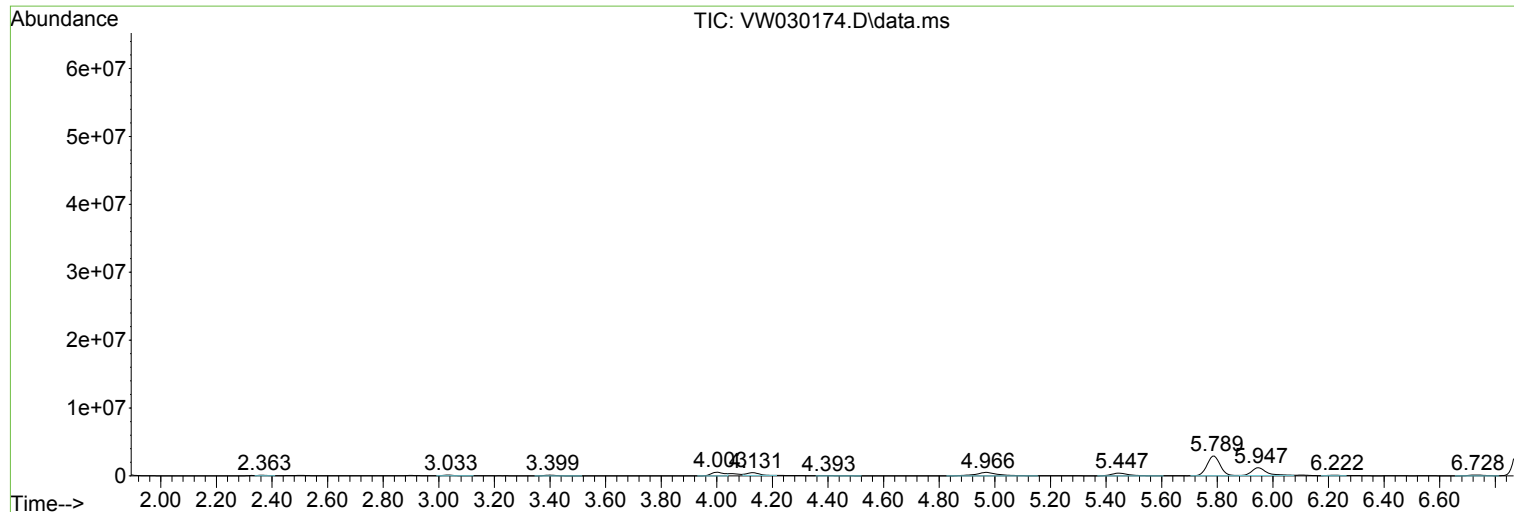
Sum of corrected areas: 2169574843

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Instrument :
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DDCD5

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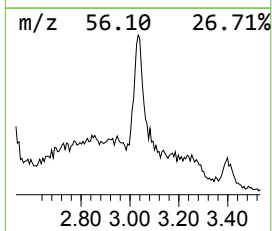
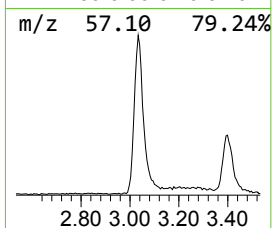
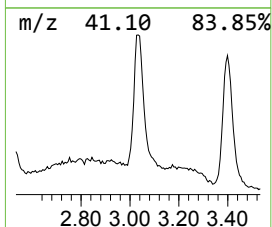
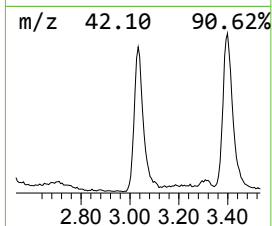
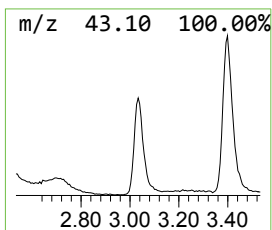
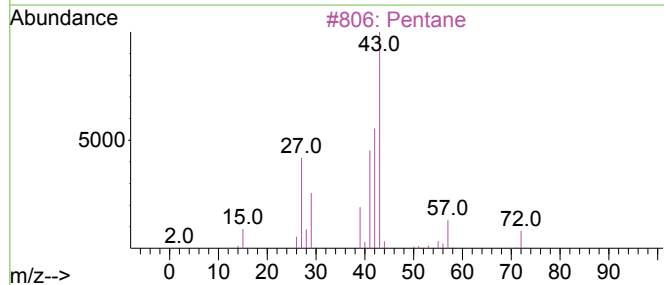
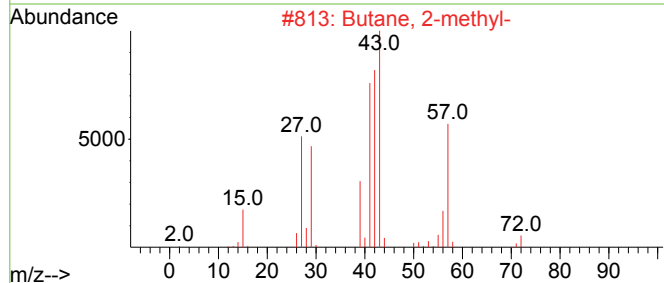
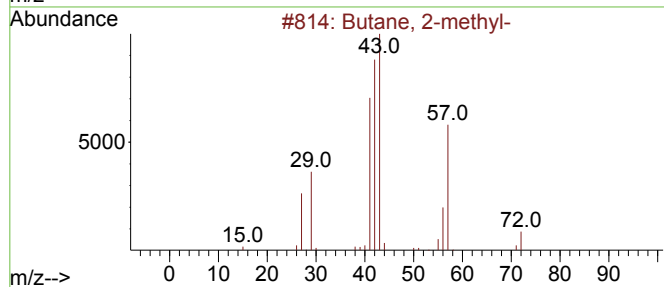
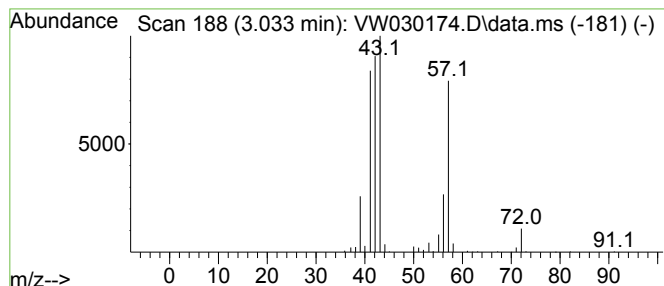
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.033	5.22 ug/L	268974	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methyl-	72	C5H12	000078-78-4	90
2		Butane, 2-methyl-	72	C5H12	000078-78-4	86
3		Pentane	72	C5H12	000109-66-0	33
4		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	33
5		3-Buten-1-ol	72	C4H8O	000627-27-0	25



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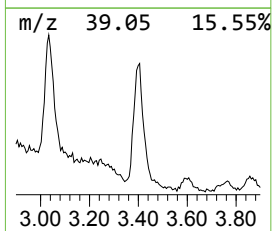
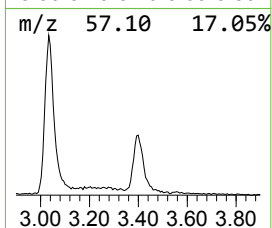
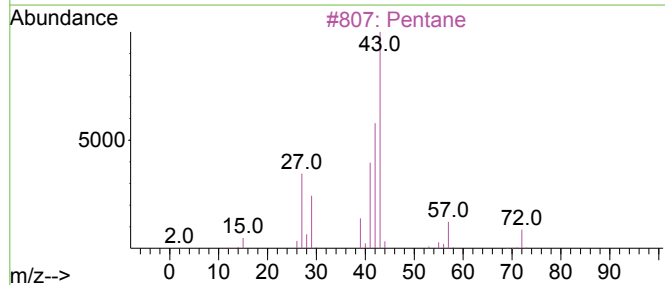
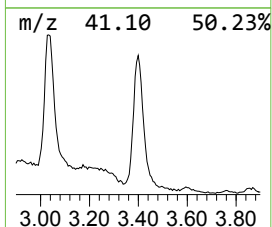
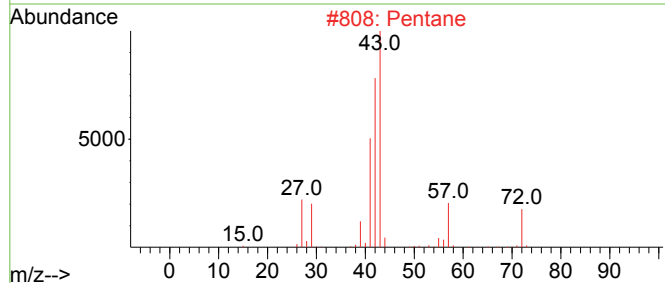
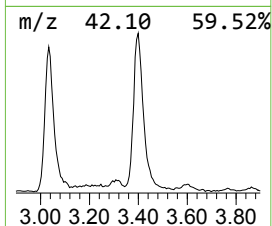
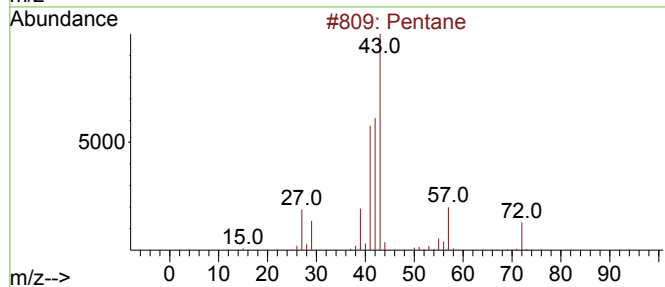
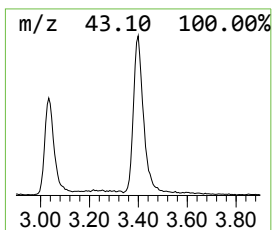
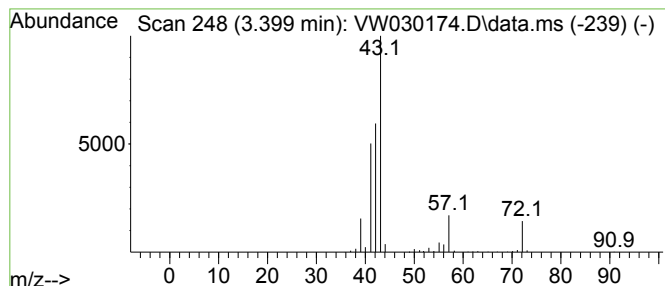
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.399	5.96 ug/L	307445	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	91
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	90
5	Pentane	72	C5H12	000109-66-0	90



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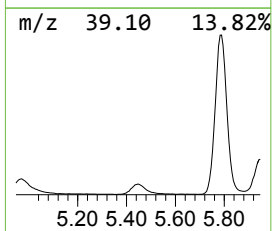
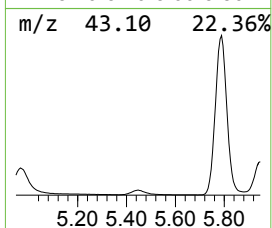
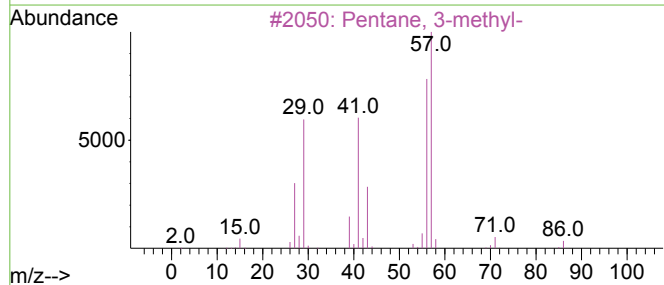
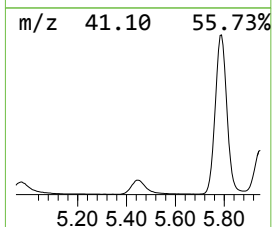
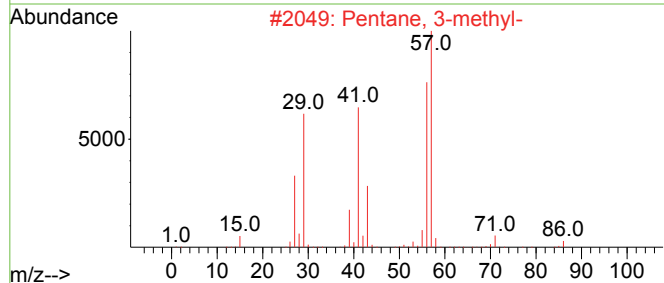
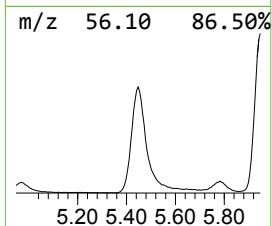
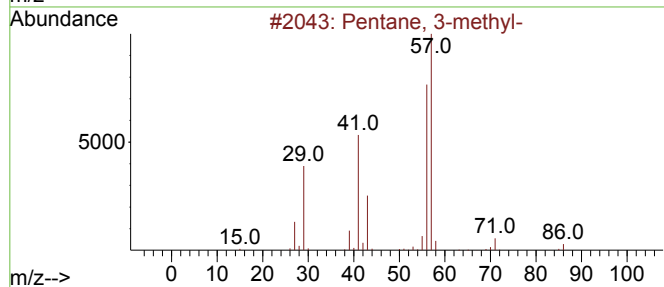
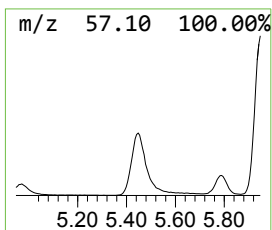
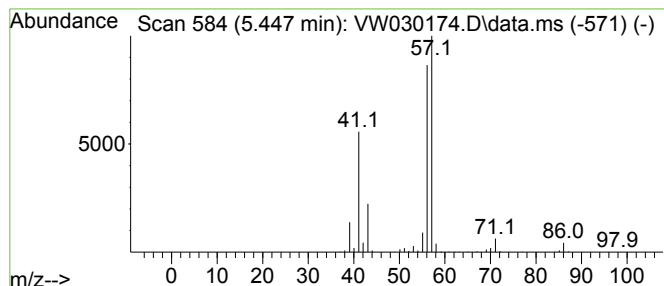
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.447	32.26 ug/L	1662650	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

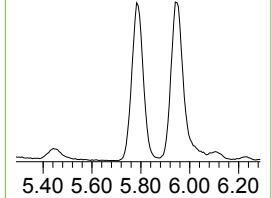
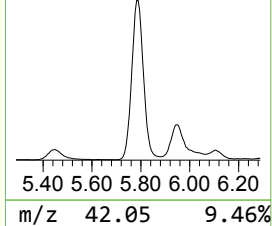
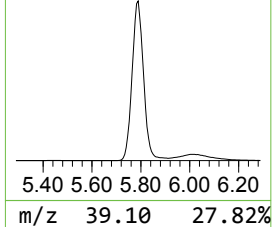
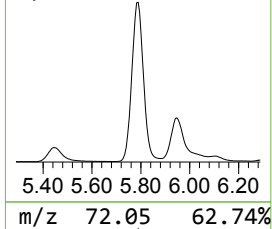
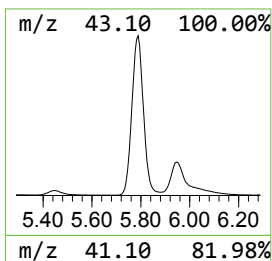
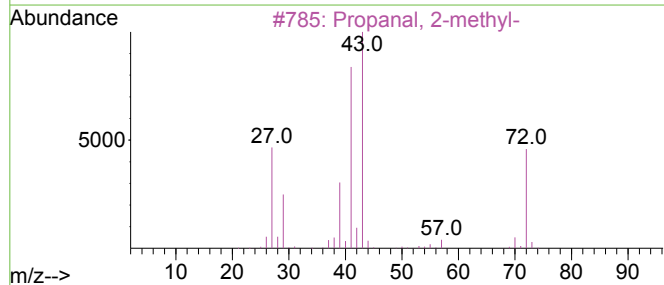
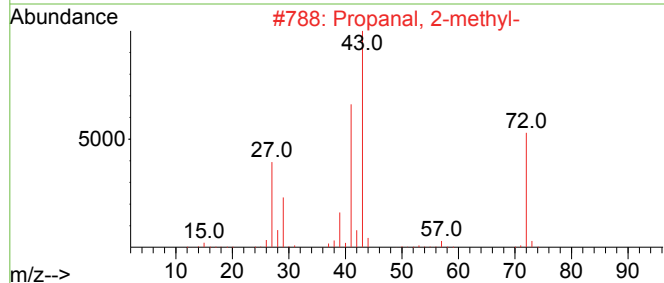
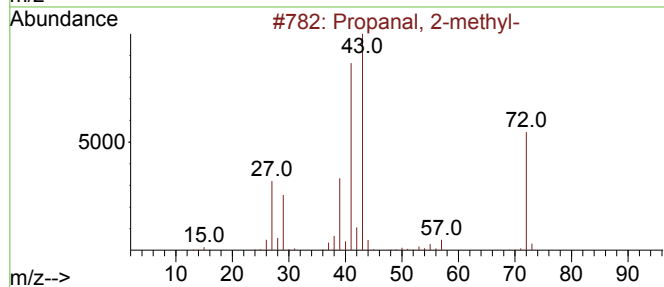
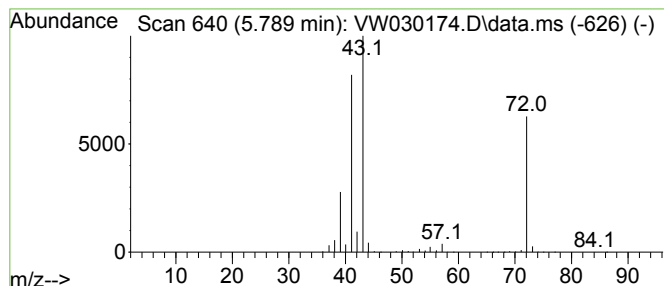
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Quant Title : SFAM01.0

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

Peak Number 4 Propanal, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.789	186.98 ug/L	9637370	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	78		
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	58		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

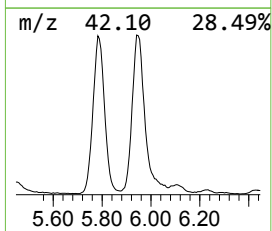
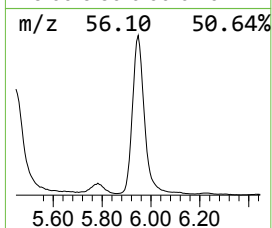
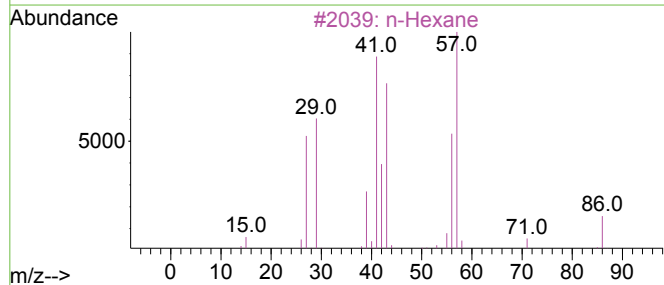
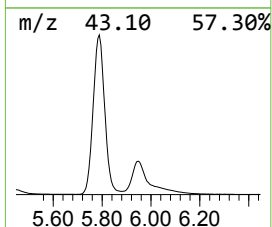
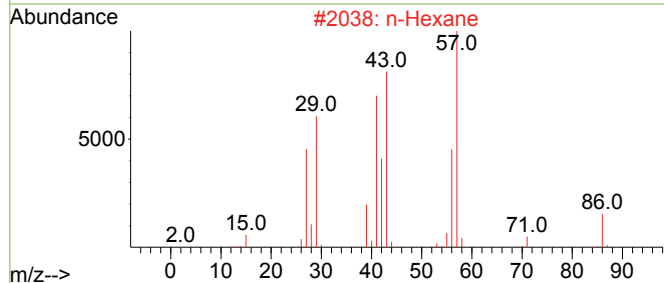
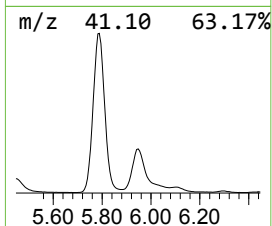
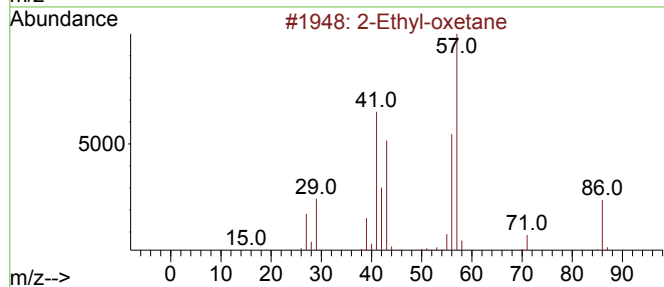
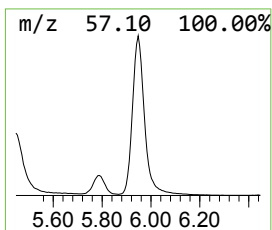
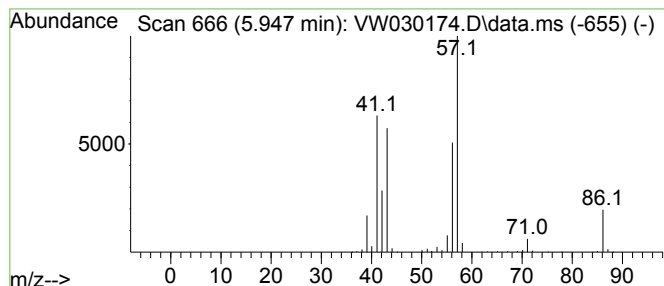
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Quant Title : SFAM01.0

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

Peak Number 5 2-Ethyl-oxetane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.947	81.43 ug/L	4197250	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane			86	C5H10O	1010386-40-2	90
2	n-Hexane			86	C6H14	000110-54-3	78
3	n-Hexane			86	C6H14	000110-54-3	78
4	n-Hexane			86	C6H14	000110-54-3	78
5	n-Hexane			86	C6H14	000110-54-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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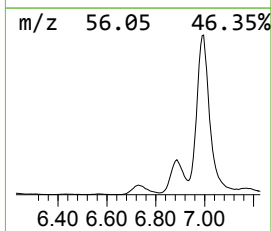
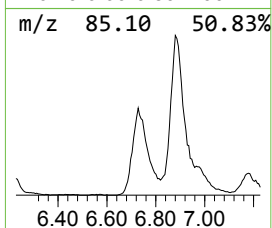
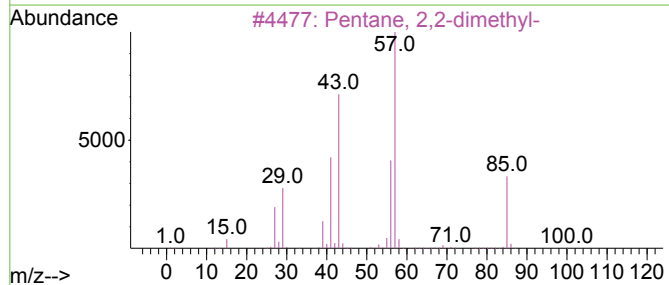
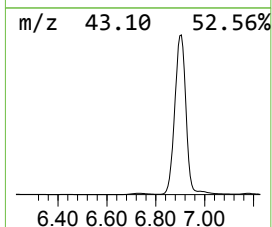
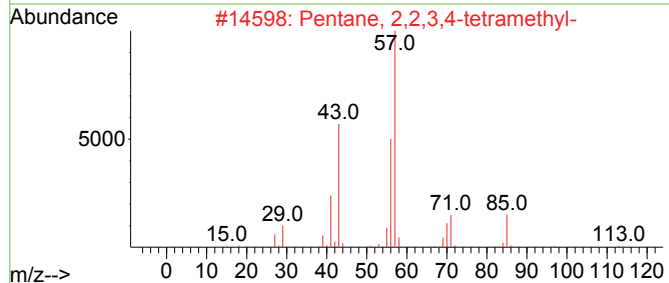
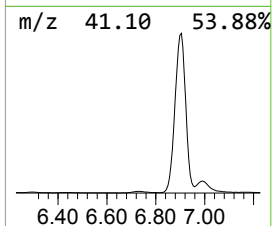
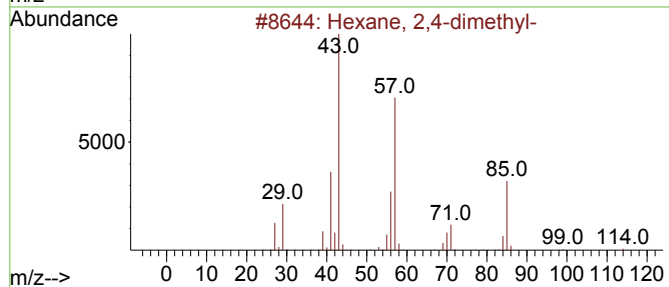
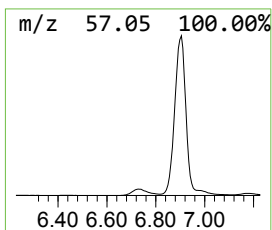
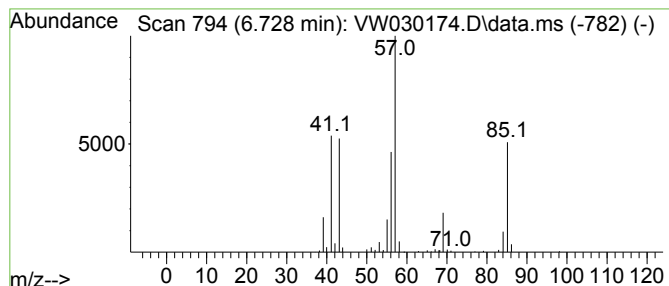
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.728	10.13 ug/L	522113	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	74
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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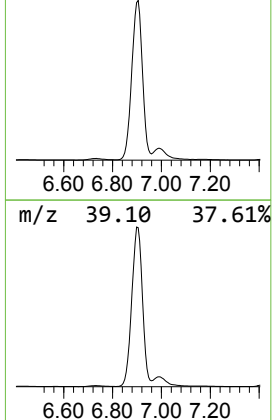
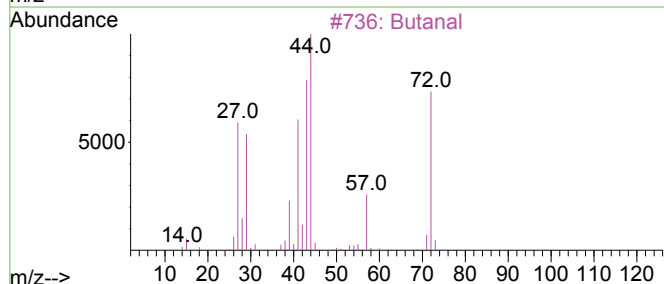
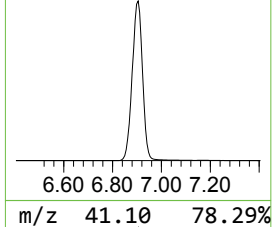
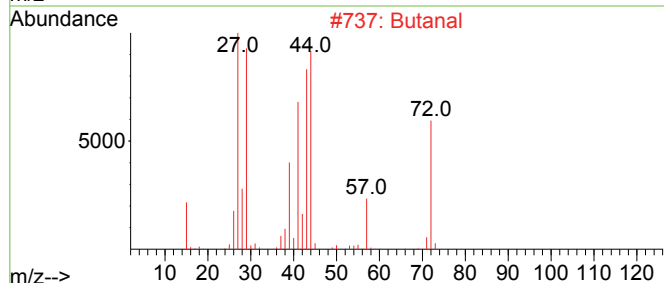
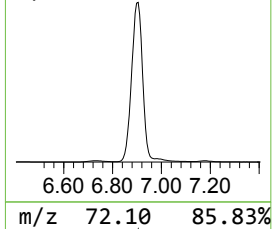
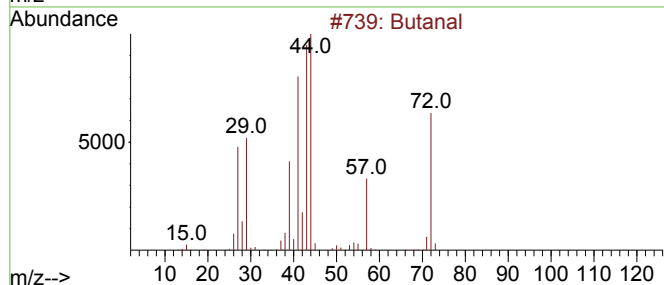
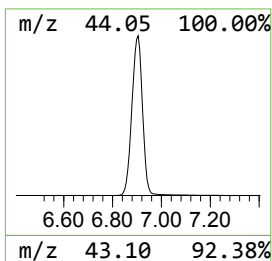
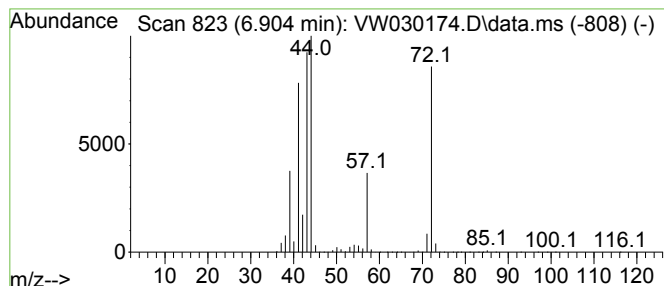
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Quant Title : SFAM01.0

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

Peak Number 7 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.904	622.27 ug/L	32073700	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal			72	C4H8O	000123-72-8	94
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	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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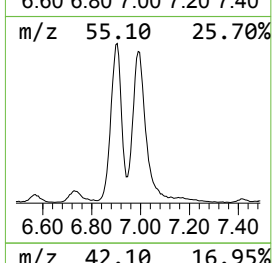
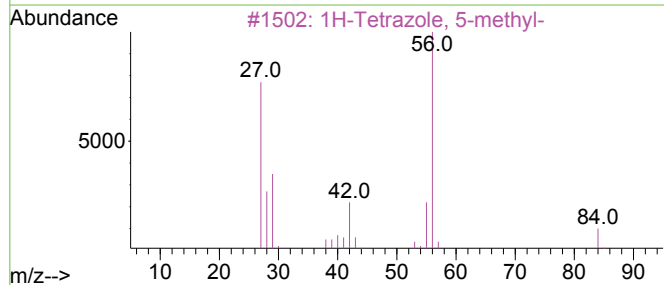
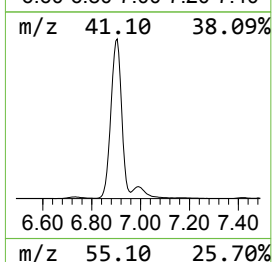
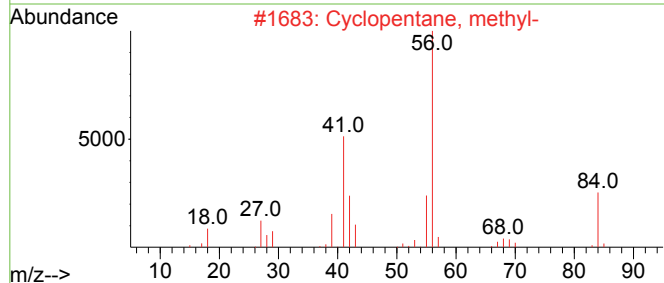
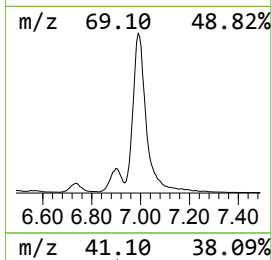
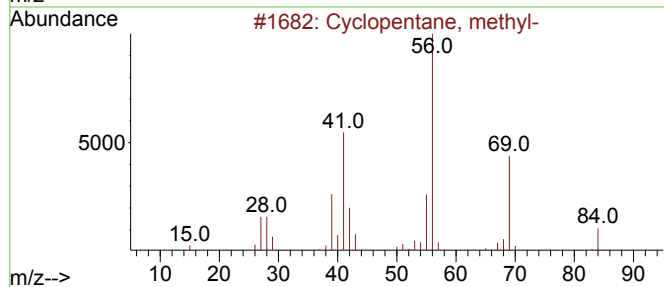
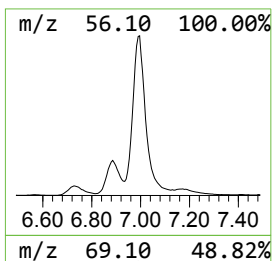
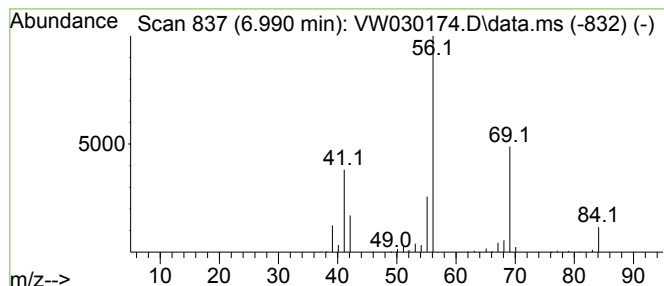
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic6.990 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.990	55.80 ug/L	2876000	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5			Cyclopentane, methyl-	84	C6H12	000096-37-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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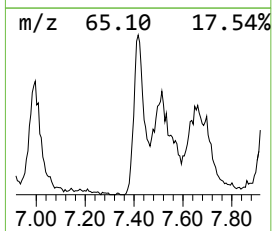
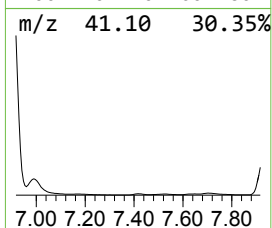
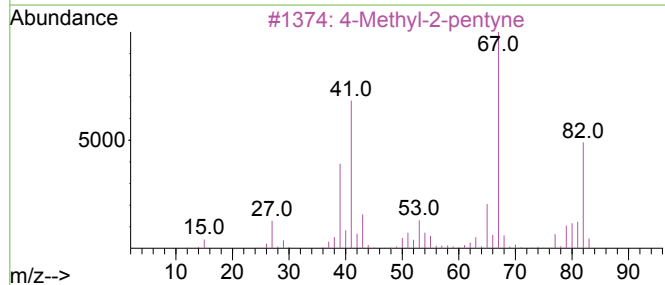
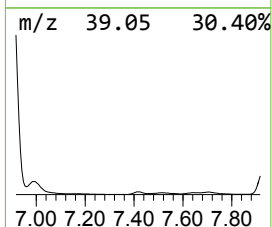
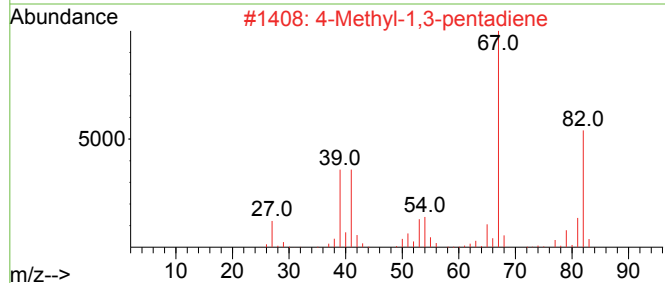
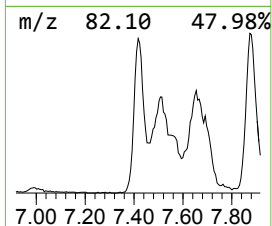
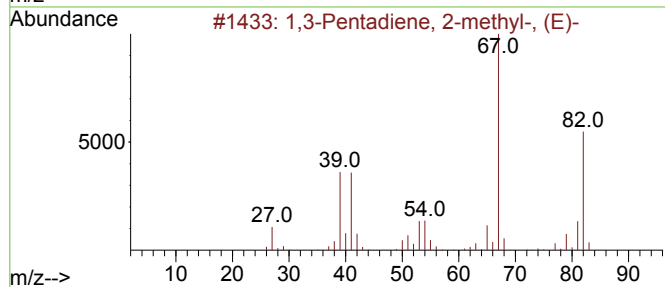
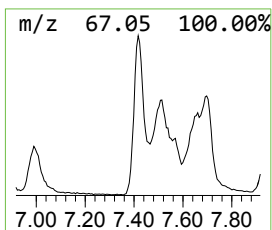
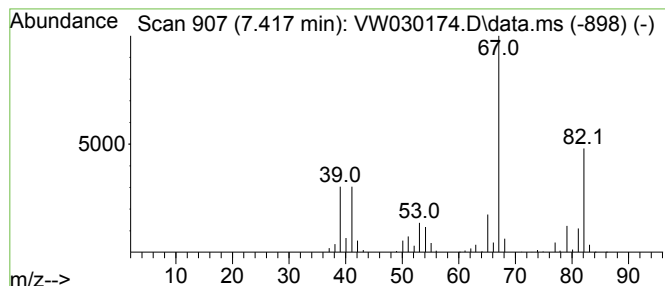
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Quant Title : SFAM01.0

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

Peak Number 9 1,3-Pentadiene, 2-methyl-, ... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.417	6.21 ug/L	319982	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 2-methyl-, (E)-		82	C6H10		000926-54-5	95
2	4-Methyl-1,3-pentadiene		82	C6H10		000926-56-7	95
3	4-Methyl-2-pentyne		82	C6H10		021020-27-9	93
4	2,4-Hexadiene		82	C6H10		000592-46-1	93
5	(Z), (Z)-2,4-Hexadiene		82	C6H10		006108-61-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

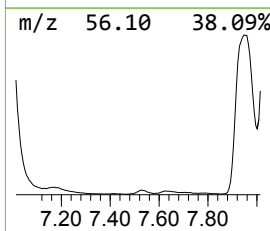
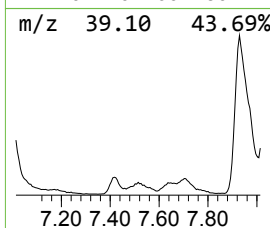
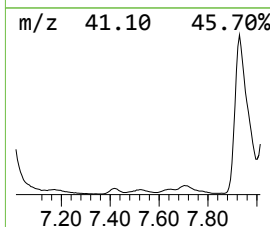
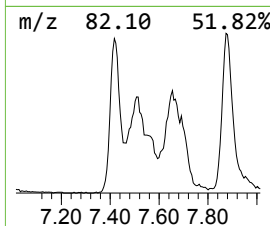
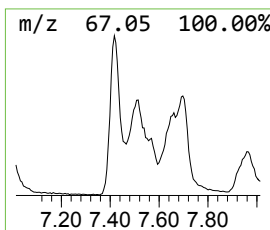
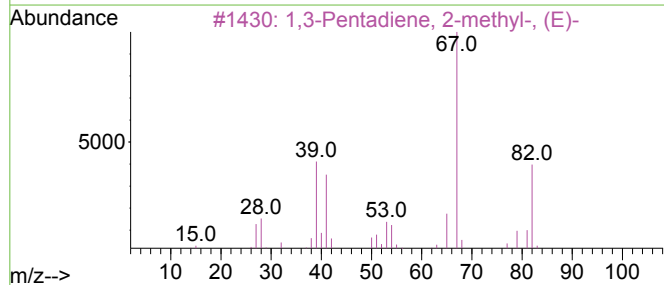
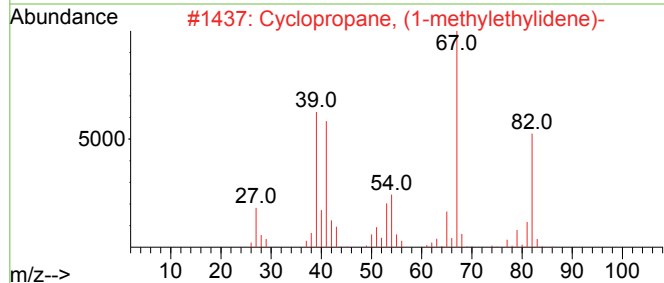
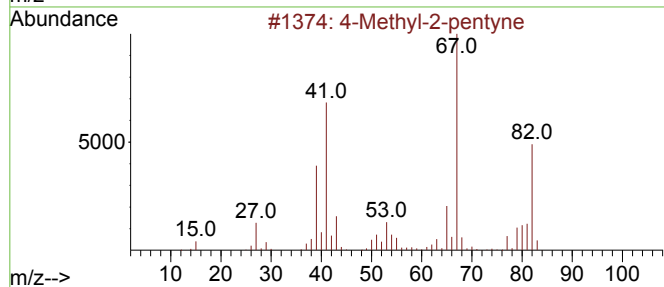
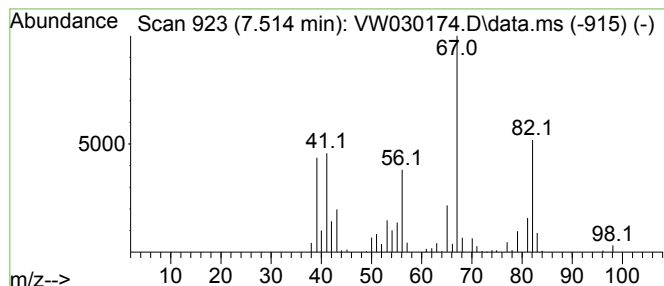
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Quant Title : SFAM01.0

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

Peak Number 10 4-Methyl-2-pentyne Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.514	5.91 ug/L	304777	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methyl-2-pentyne	82	C6H10	021020-27-9	81
2			Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	70
3			1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	68
4			1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	64
5			C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

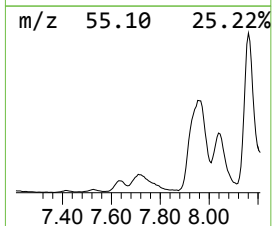
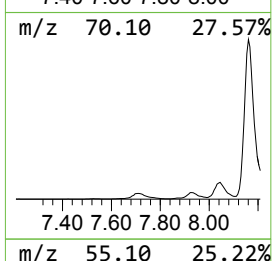
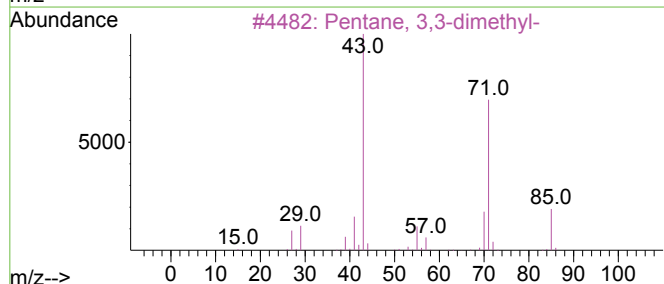
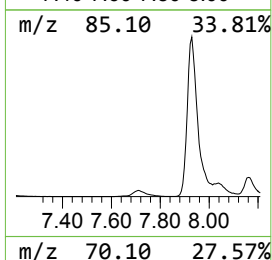
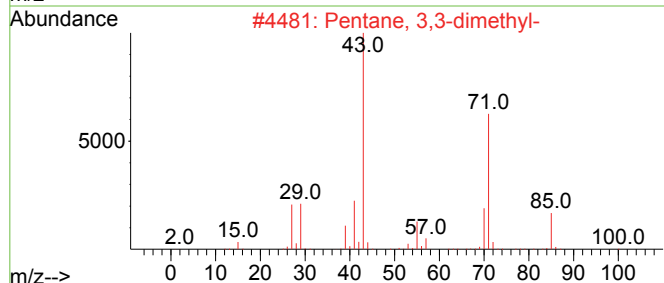
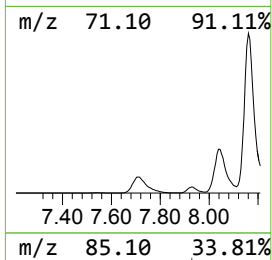
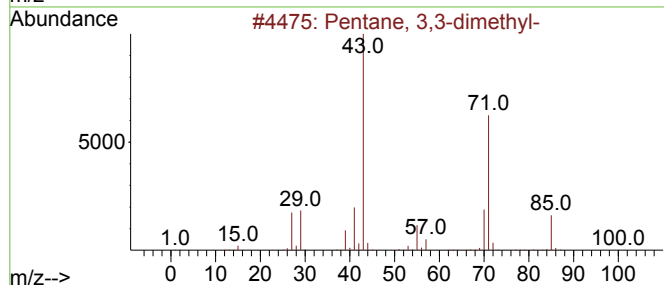
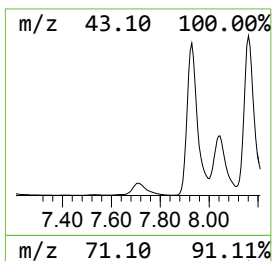
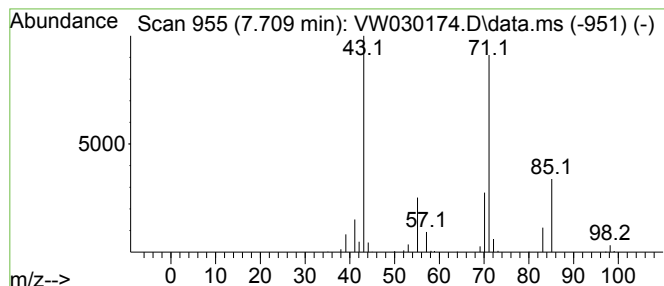
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.709	13.64 ug/L	702879	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	78
2		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72
3		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72
4		1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	59
5		4,4-Dimethyl-1-hexene	112	C8H16	001647-08-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

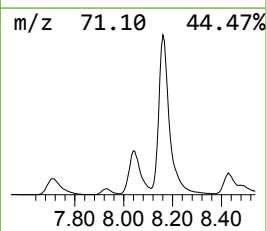
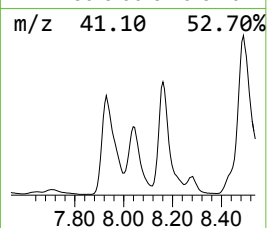
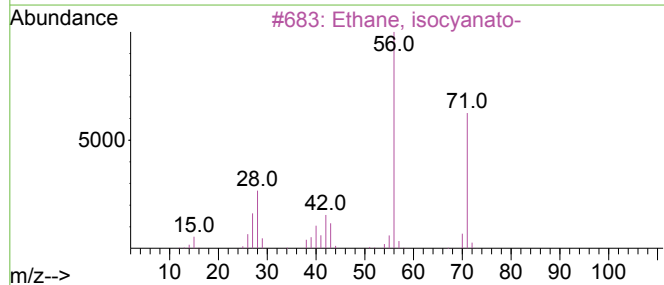
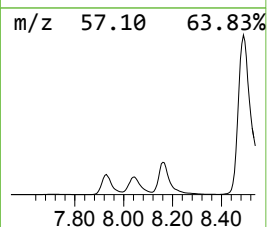
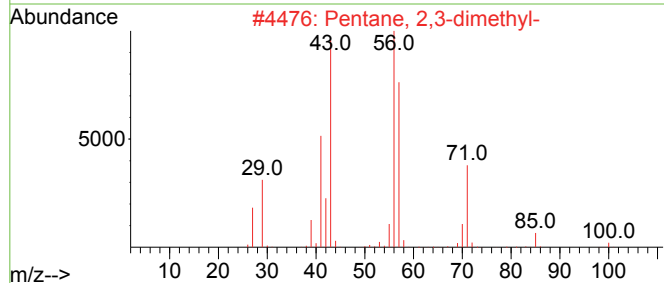
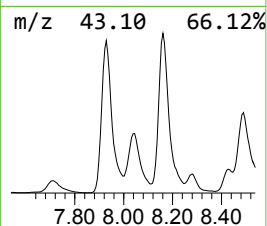
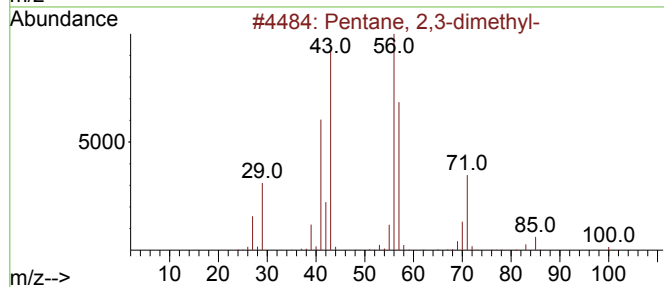
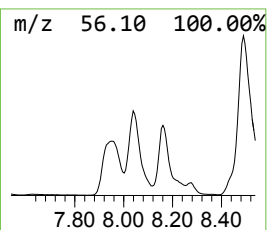
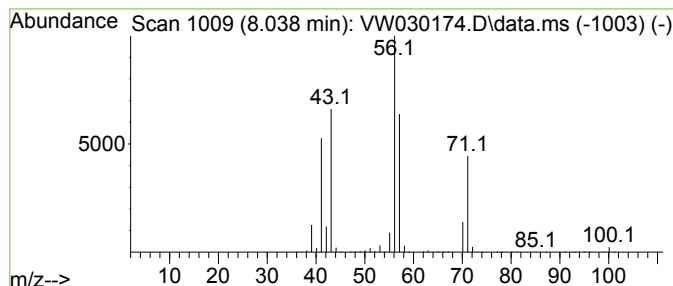
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.038	89.74 ug/L	4625420	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
3		Ethane, isocyanato-	71	C3H5NO	000109-90-0	64
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

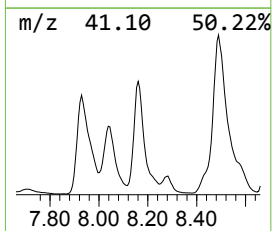
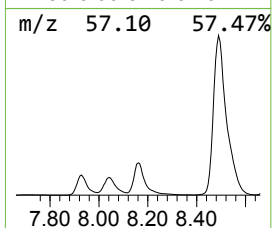
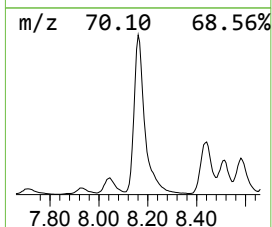
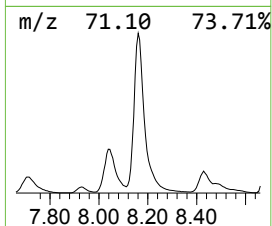
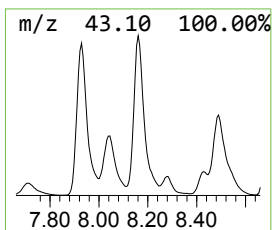
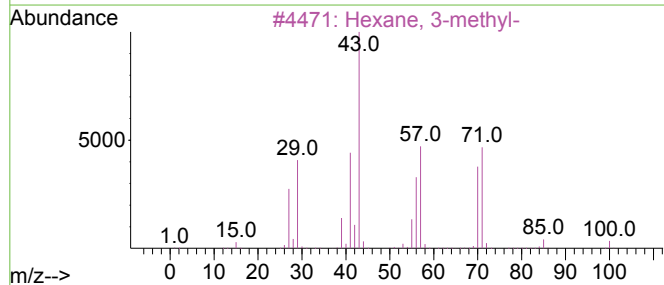
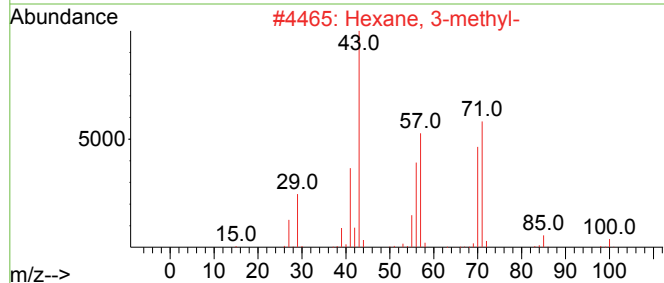
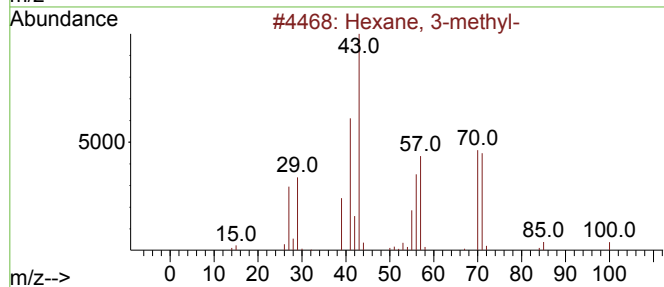
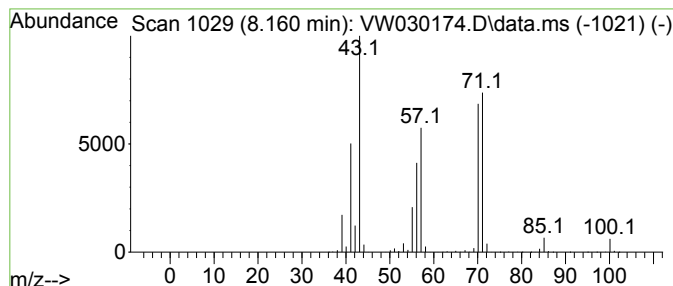
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.160	173.00 ug/L	8916900	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

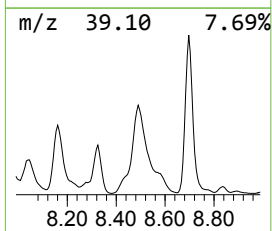
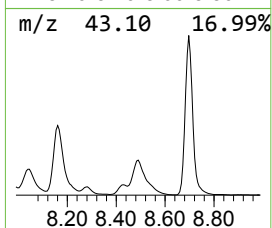
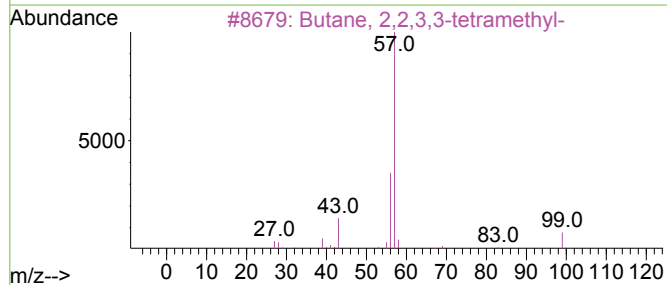
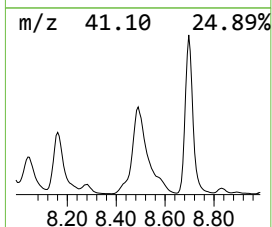
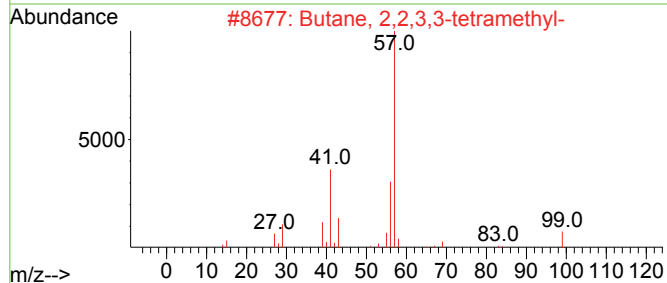
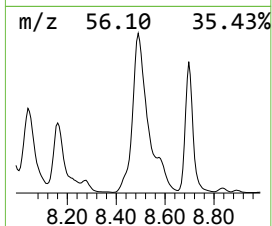
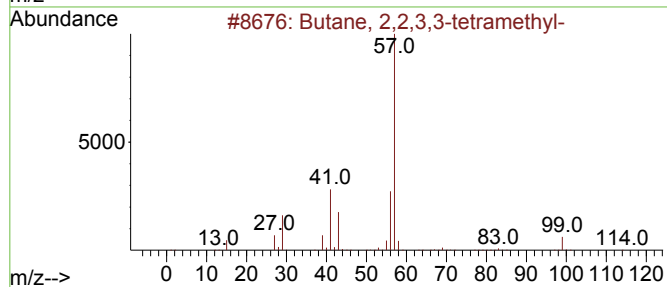
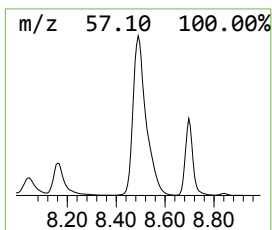
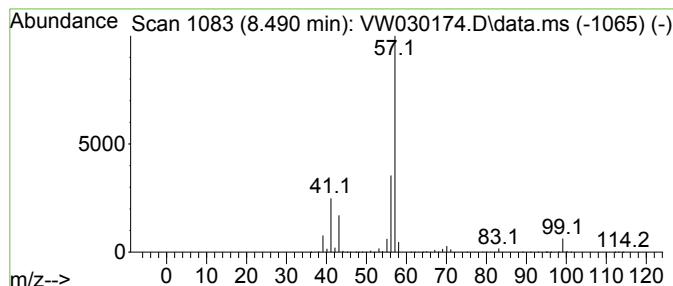
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.490	346.27 ug/L	17847700	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

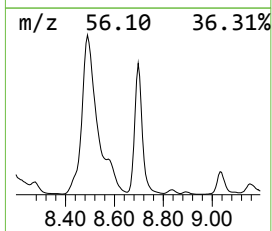
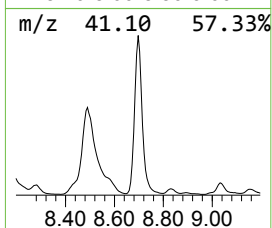
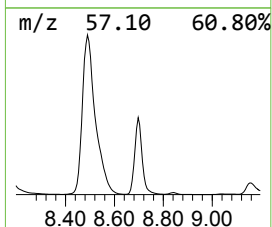
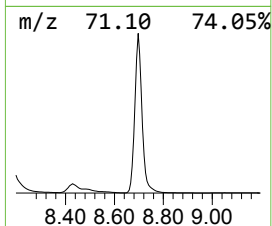
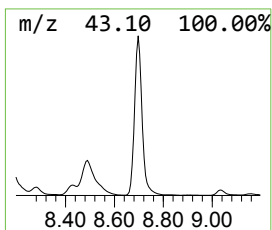
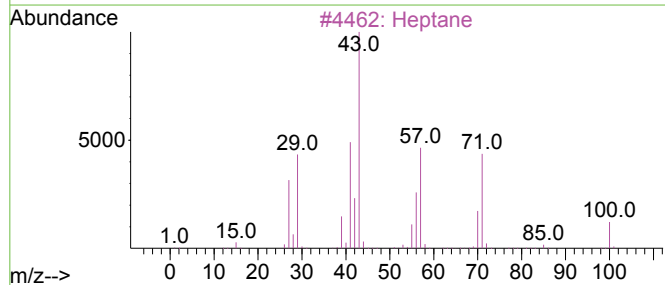
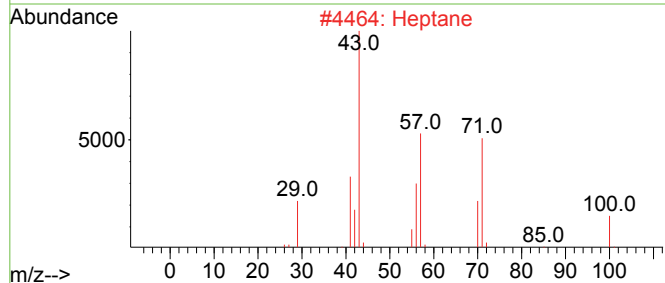
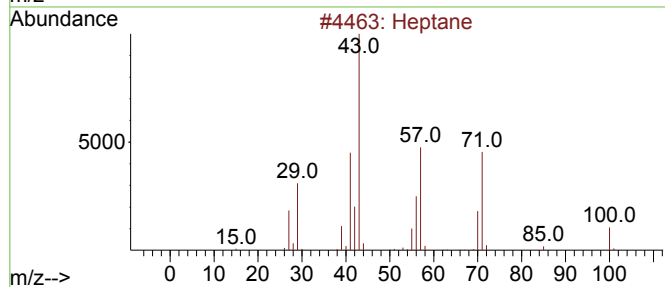
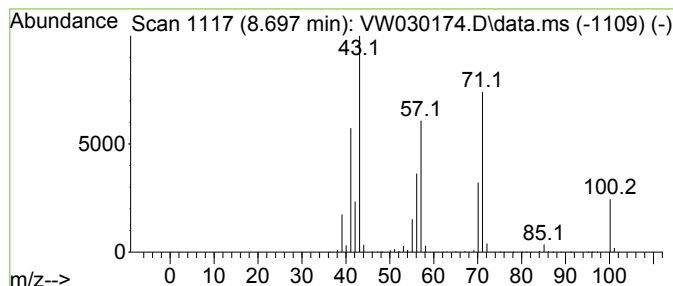
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.697	267.44 ug/L	13784700	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane	100	C7H16	000142-82-5	94
2		Heptane	100	C7H16	000142-82-5	74
3		Heptane	100	C7H16	000142-82-5	64
4		Heptane	100	C7H16	000142-82-5	64
5		Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

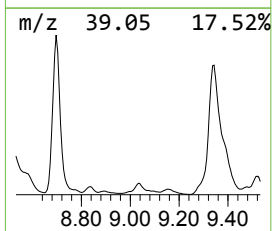
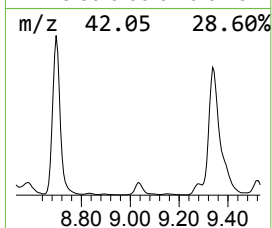
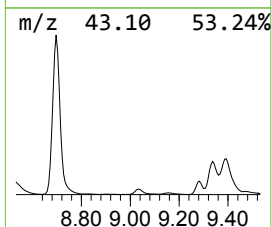
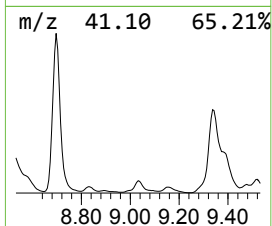
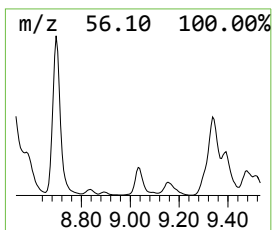
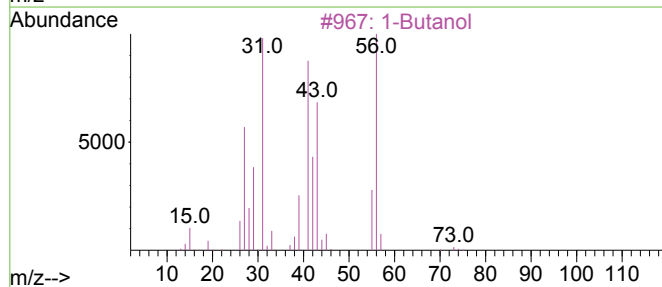
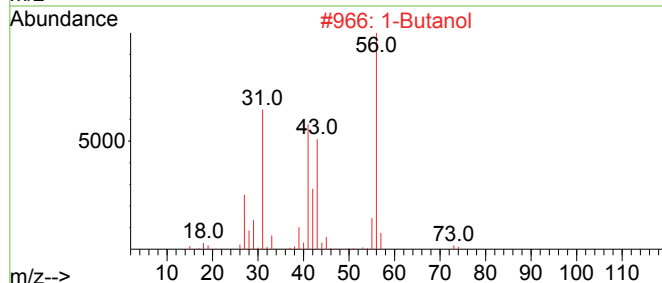
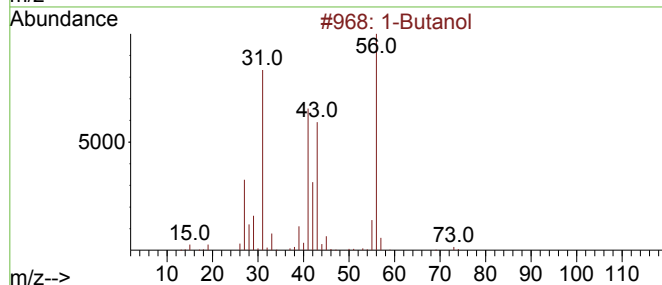
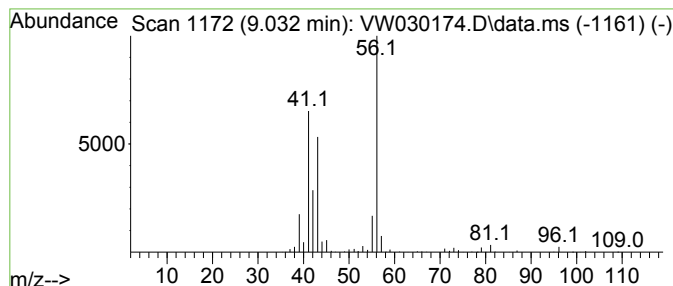
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 16 1-Butanol Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.032	12.91 ug/L	665357	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	91
3	1-Butanol	74	C4H10O	000071-36-3	86
4	1-Butanol	74	C4H10O	000071-36-3	56
5	1-Hexanol	102	C6H14O	000111-27-3	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

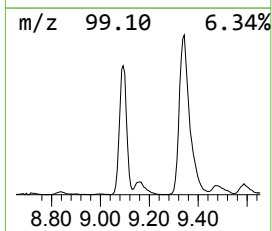
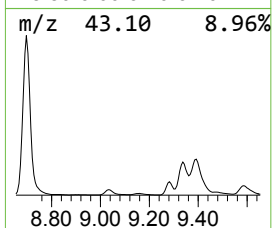
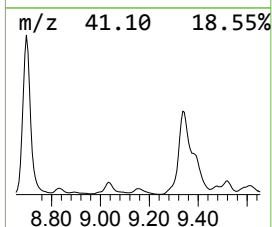
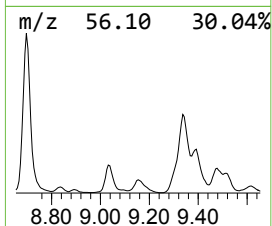
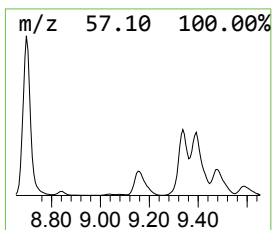
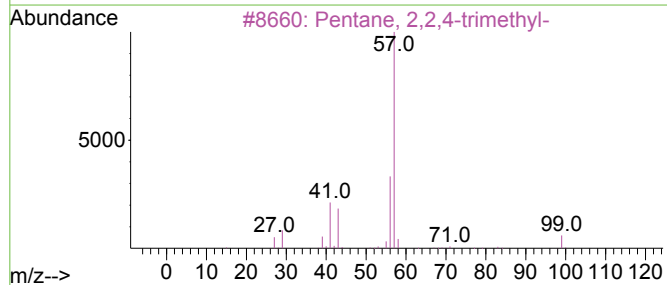
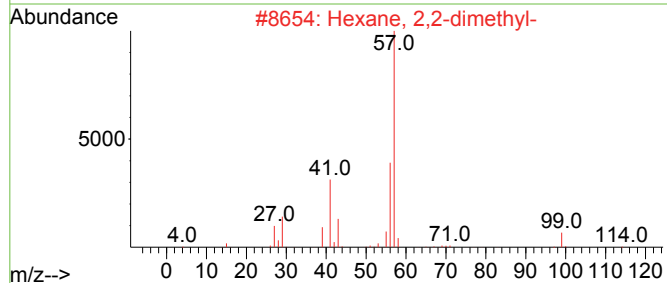
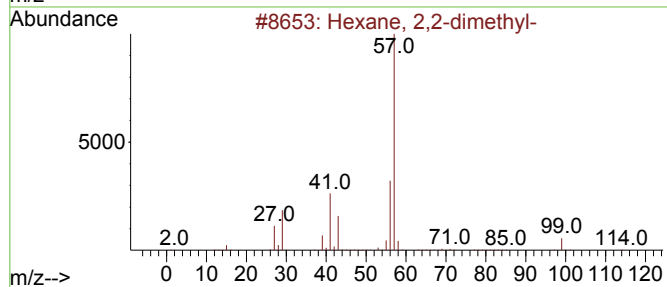
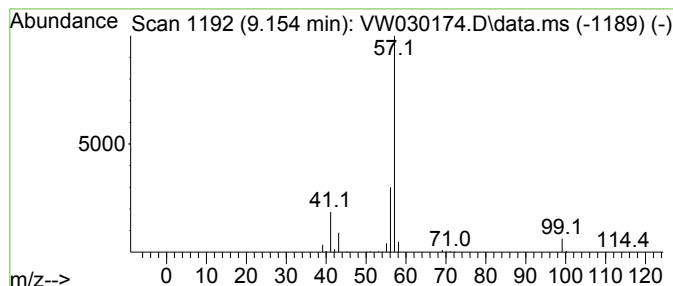
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chain Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.154	13.72 ug/L	707005	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

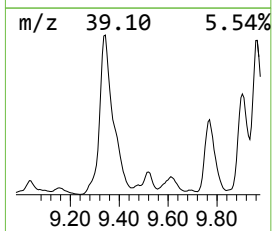
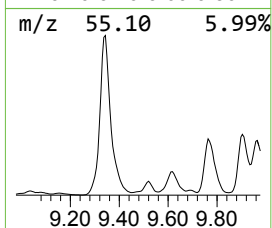
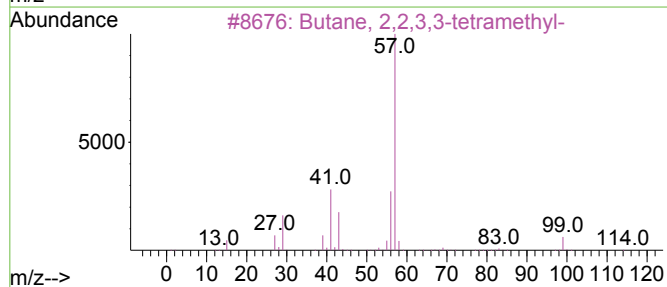
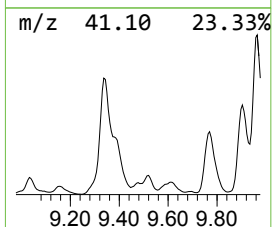
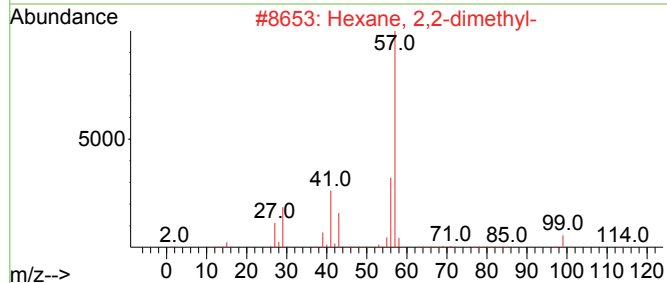
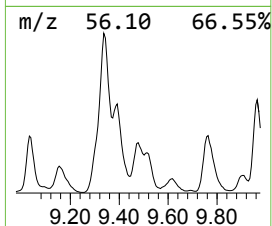
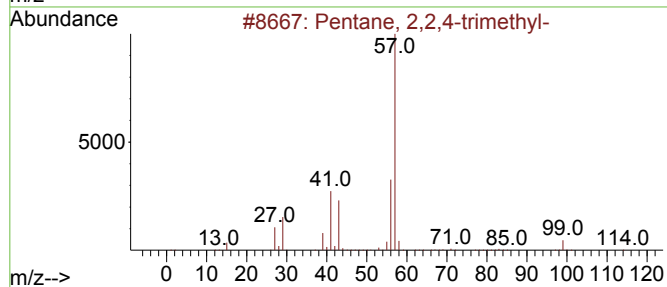
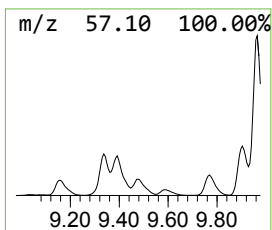
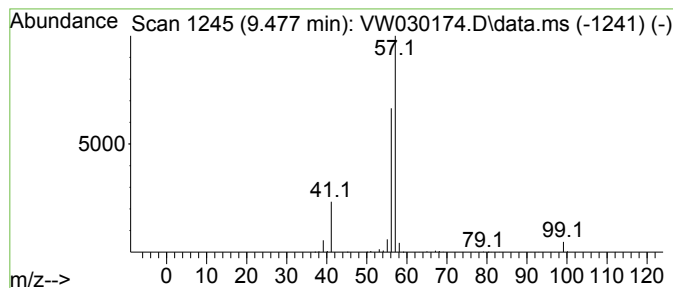
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.477	11.00 ug/L	567018	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	45
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	45
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	45
4		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

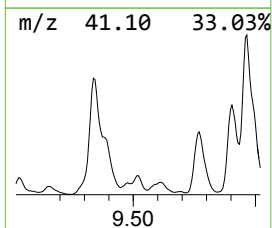
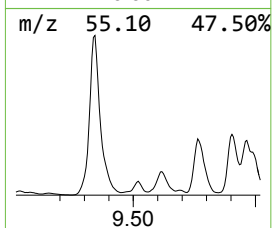
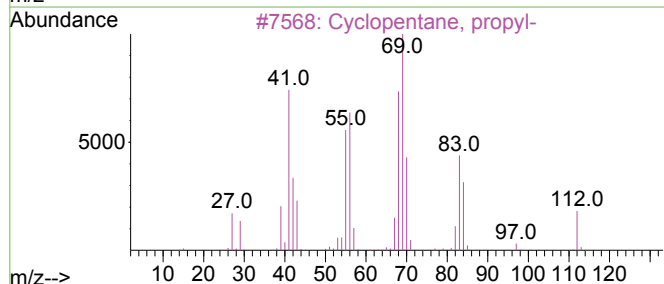
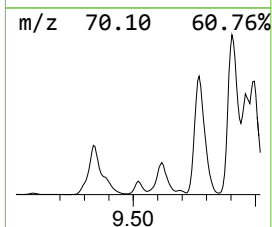
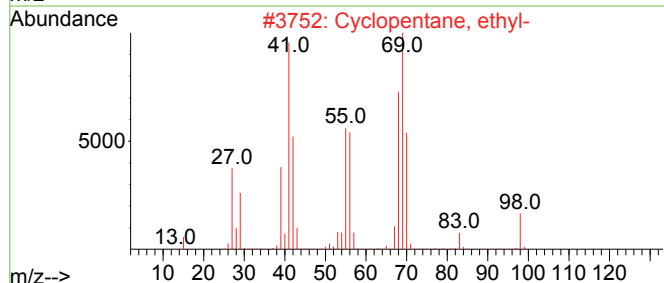
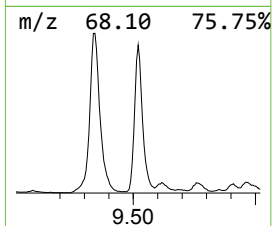
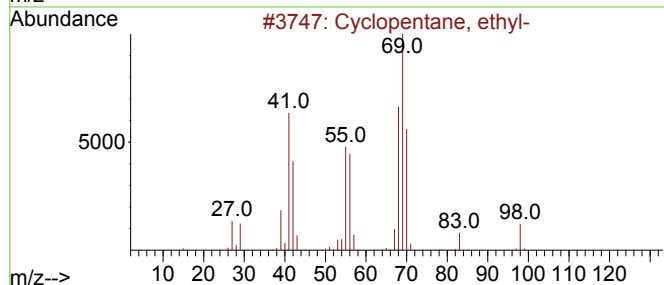
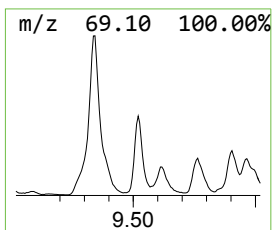
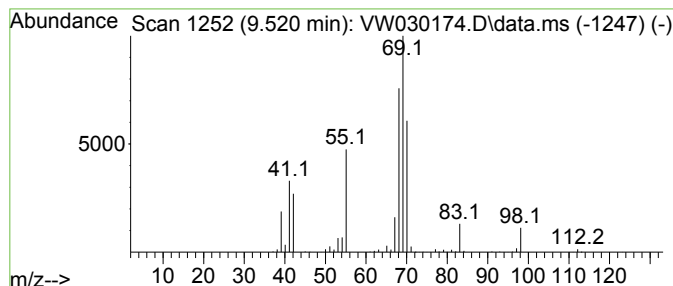
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic9.520 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.520	25.04 ug/L	1290450	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	74
3			Cyclopentane, propyl-	112	C8H16	002040-96-2	39
4			Cyclopentane, butyl-	126	C9H18	002040-95-1	39
5			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

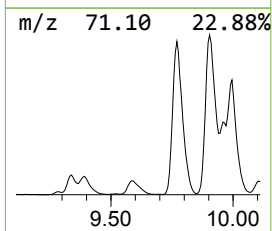
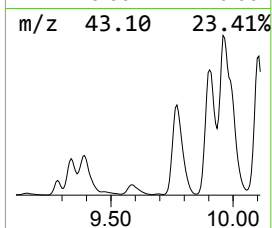
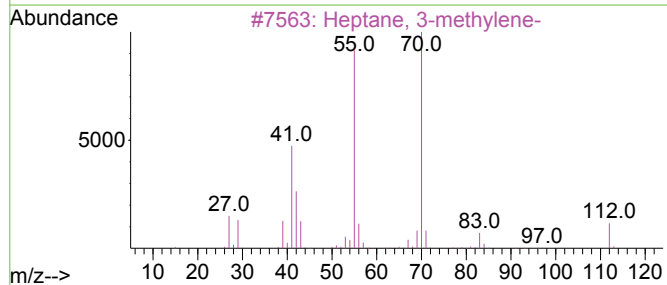
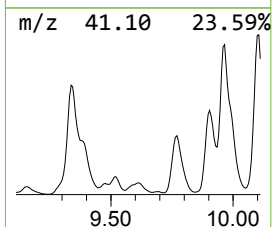
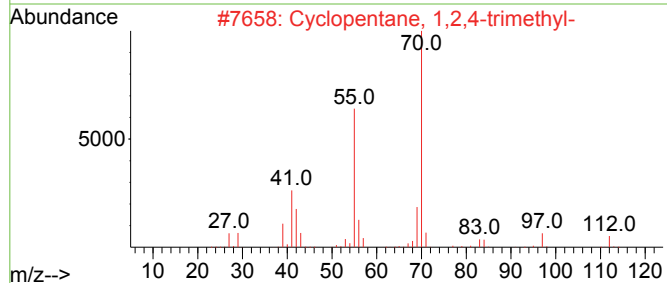
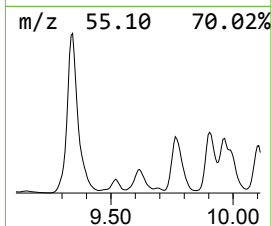
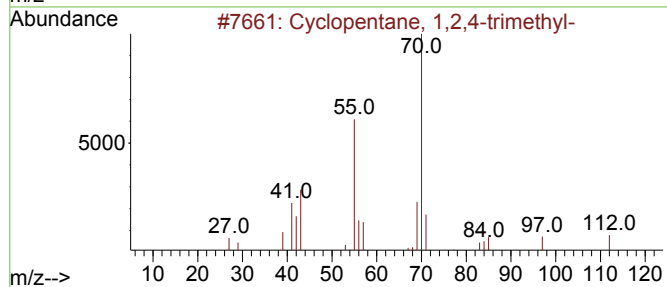
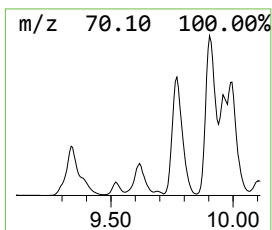
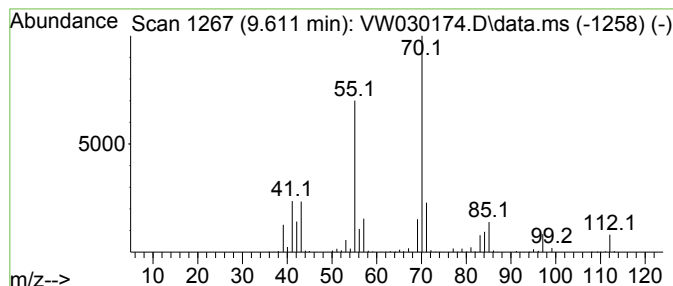
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic9.611 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.611	37.92 ug/L	1954670	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	53
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	53
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

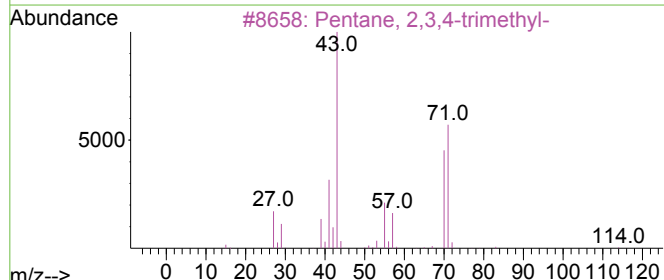
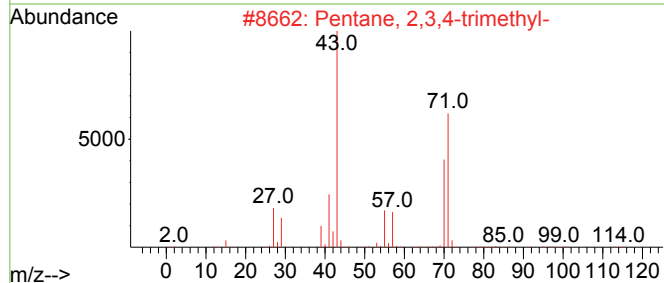
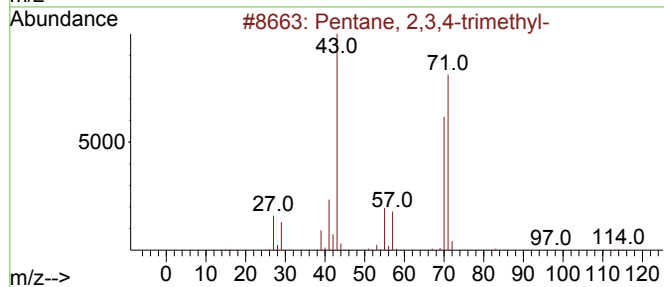
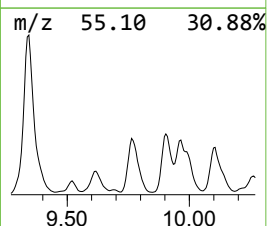
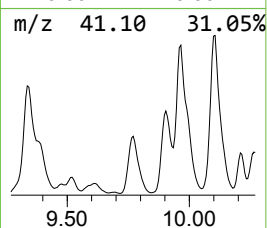
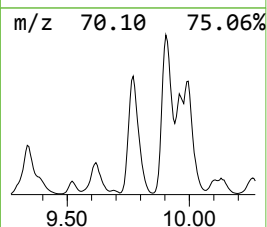
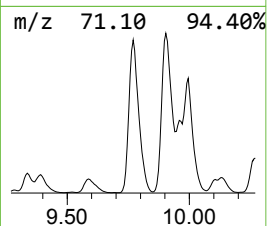
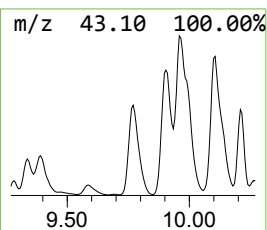
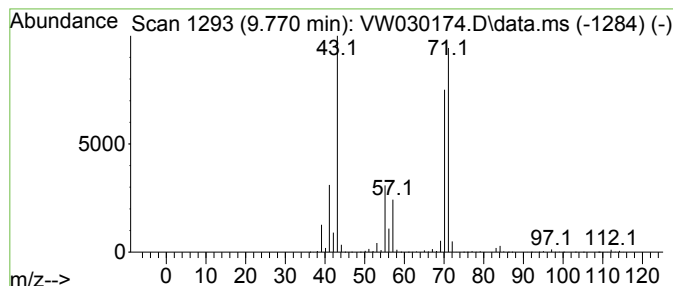
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.770	166.99 ug/L	8607110	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
5			Hexane, 3-methyl-	100	C7H16	000589-34-4	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

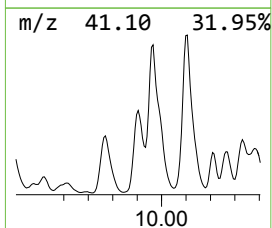
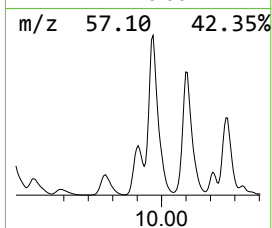
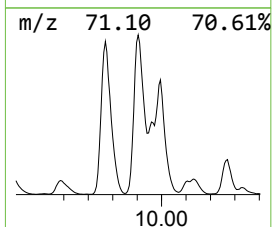
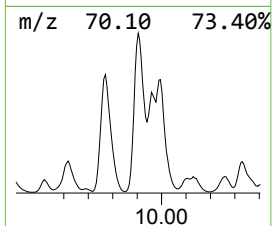
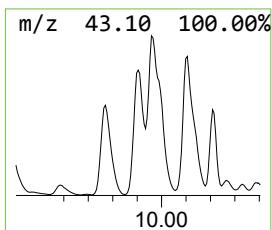
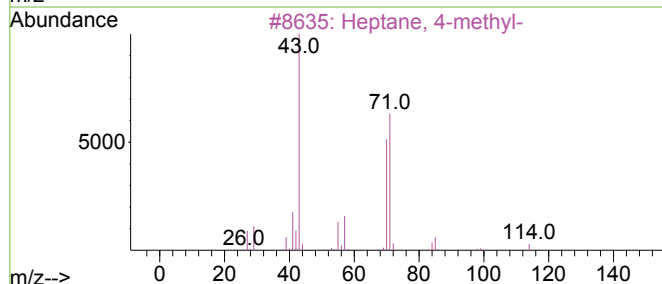
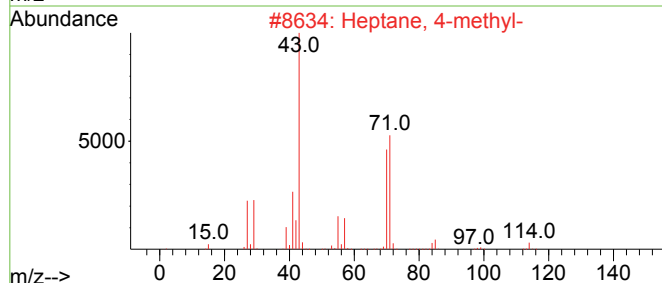
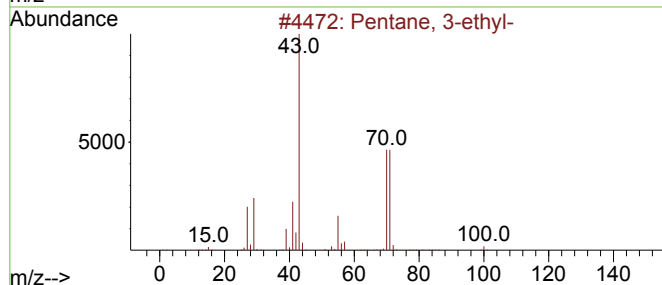
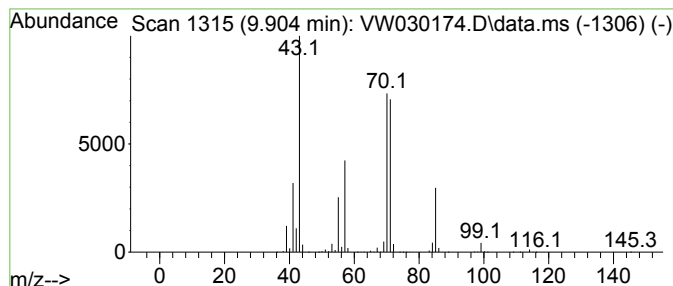
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Quant Title : SFAM01.0

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.
9.904	219.94 ug/L	11336300	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
5		3,4-Diethyl hexane	142	C10H22	019398-77-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

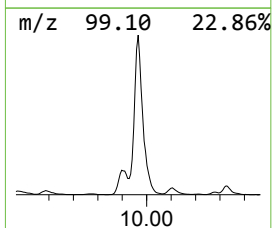
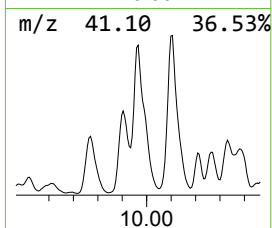
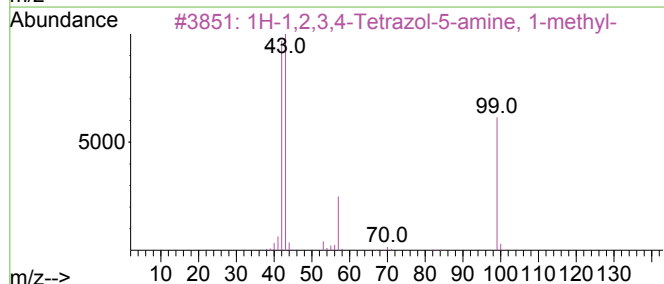
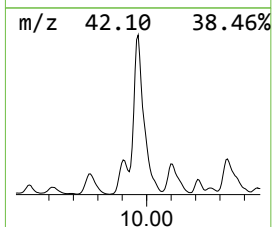
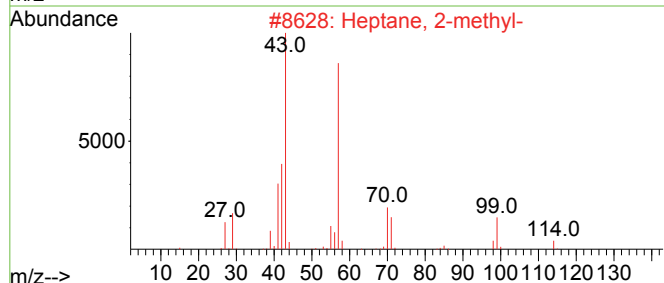
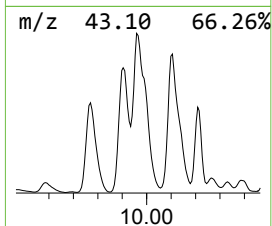
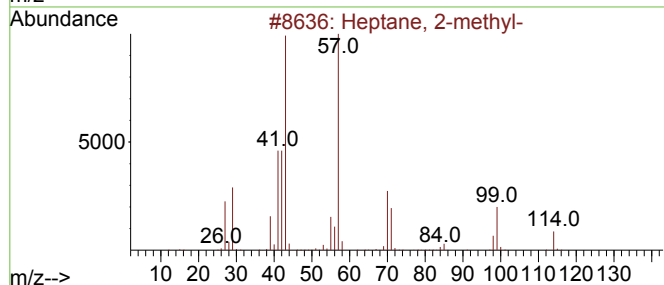
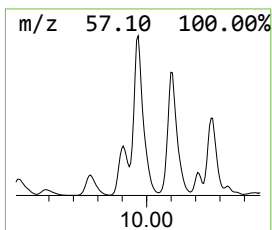
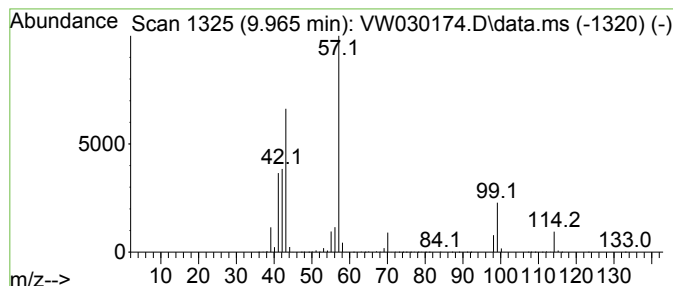
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.965	361.52 ug/L	18634100	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	80
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	64
3		1H-1,2,3,4-Tetrazol-5-amine, 1-m...	99	C2H5N5	005422-44-6	64
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
5		Heptane, 2-methyl-	114	C8H18	000592-27-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

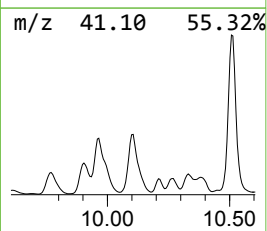
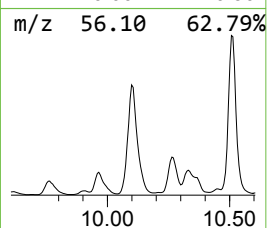
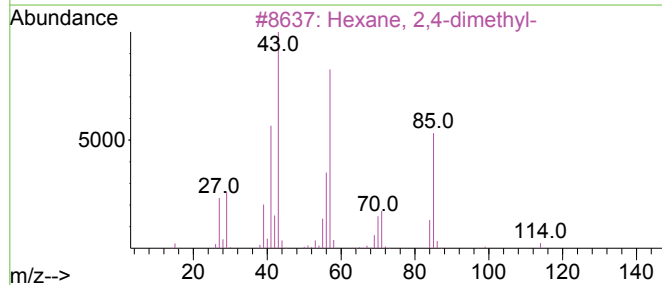
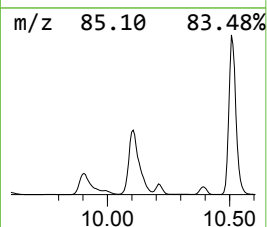
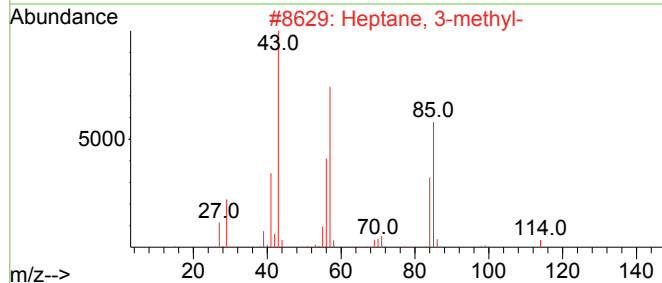
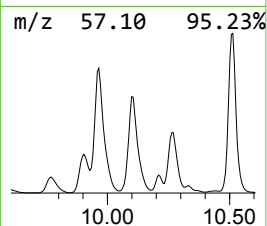
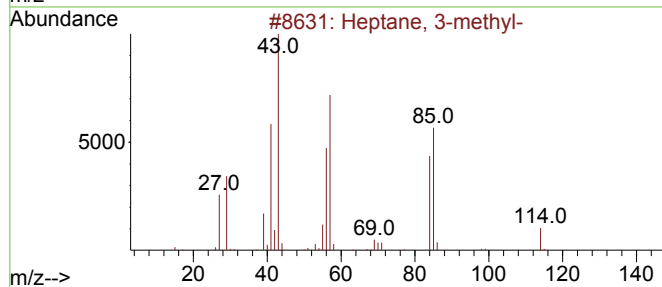
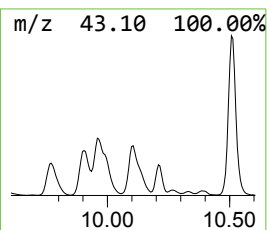
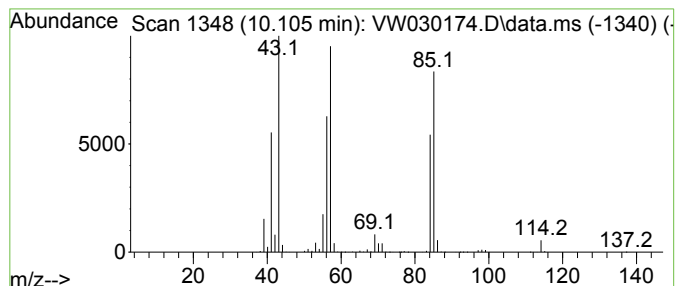
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.105	312.28 ug/L	16096100	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			Heptane, 3-methyl-	114	C8H18	000589-81-1	87
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4			Hexyl n-valerate	186	C11H22O2	001117-59-5	64
5			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

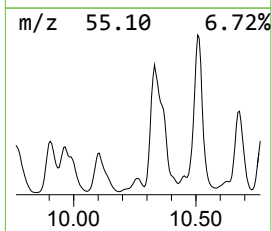
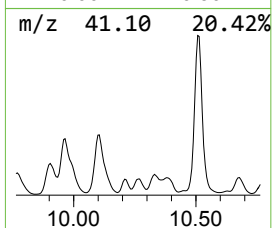
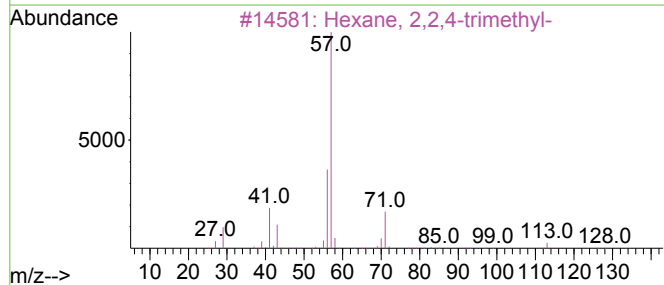
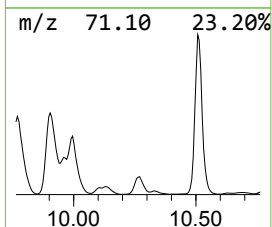
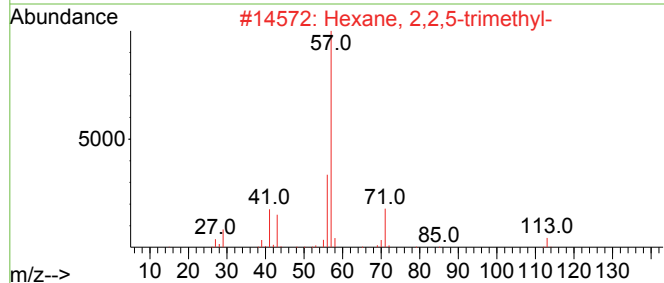
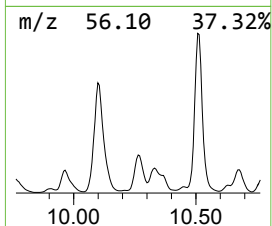
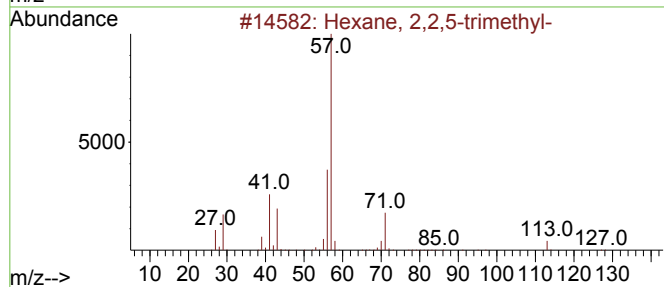
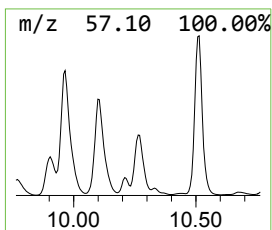
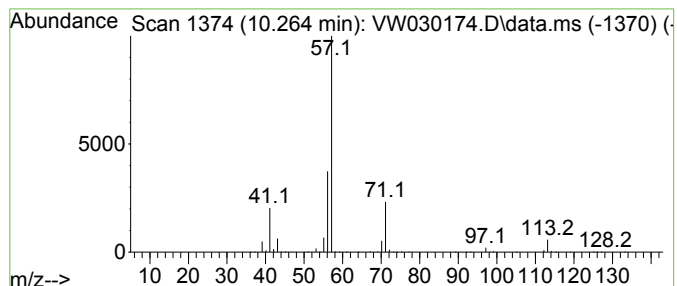
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.264	1.91 ug/L	2738840	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	78
4			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

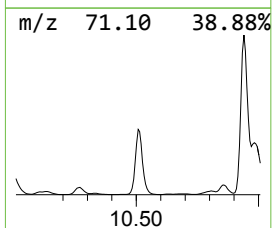
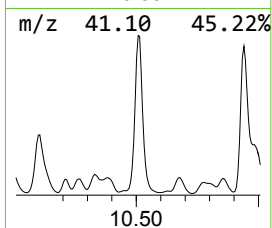
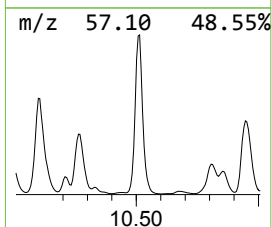
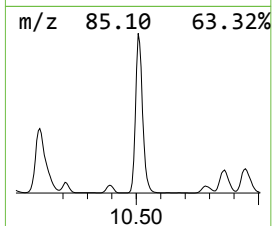
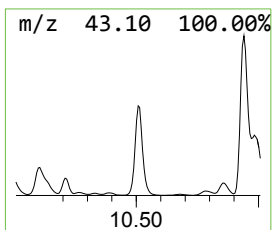
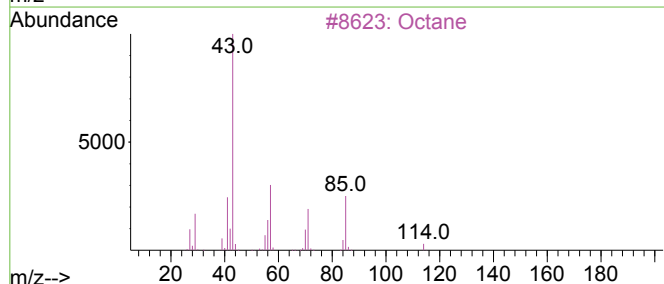
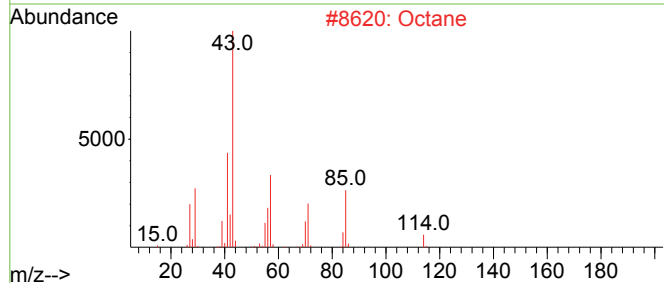
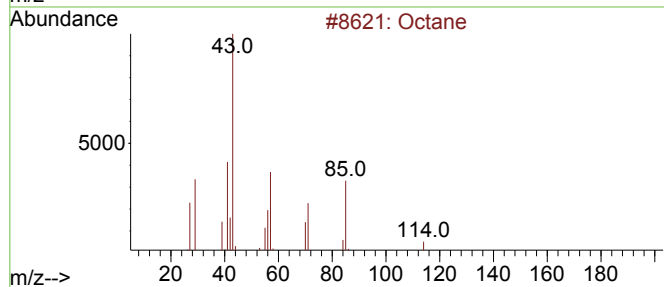
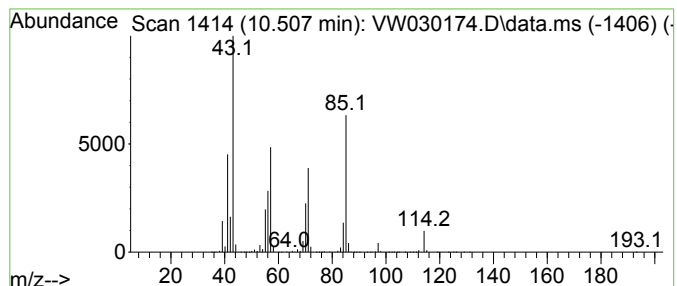
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.508	24.88 ug/L	35768100	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	95
2	Octane		114	C8H18	000111-65-9	91
3	Octane		114	C8H18	000111-65-9	91
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 : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

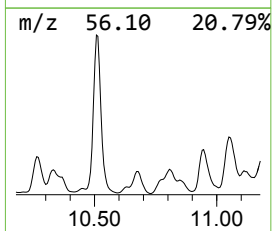
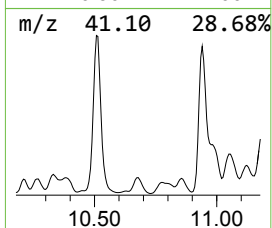
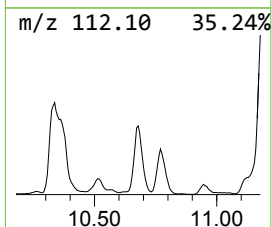
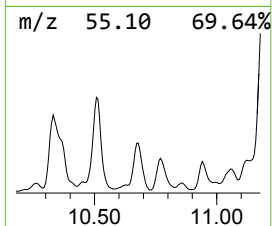
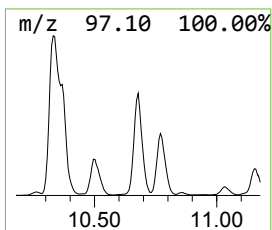
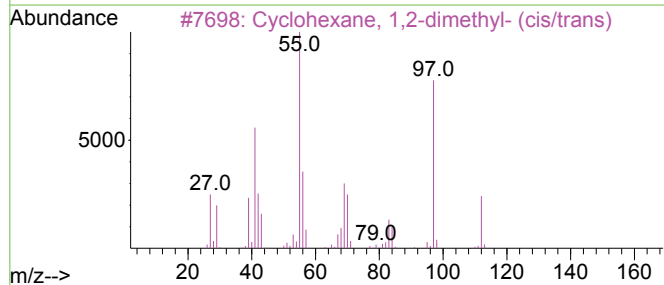
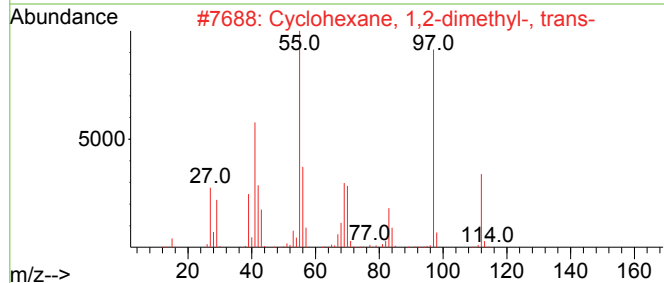
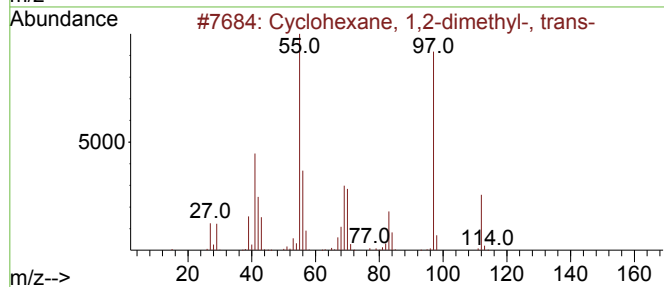
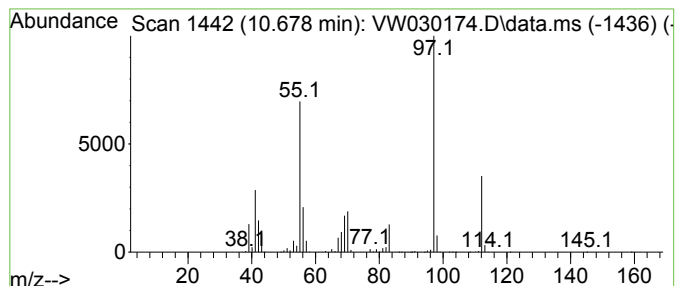
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic10.678 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.678	3.72 ug/L	5341530	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3			Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	91
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

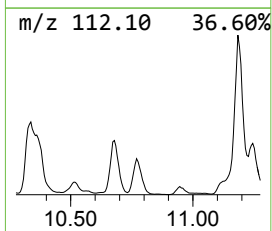
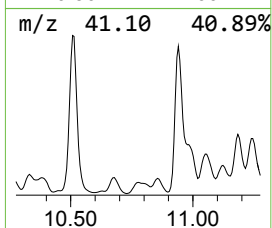
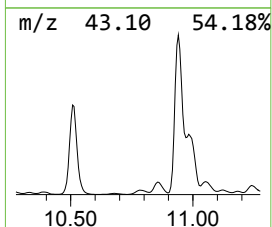
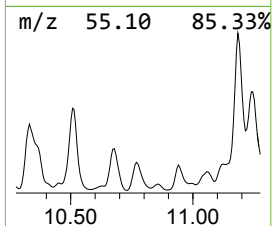
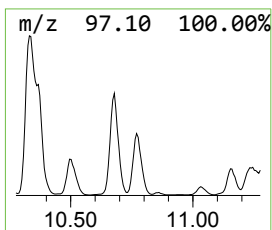
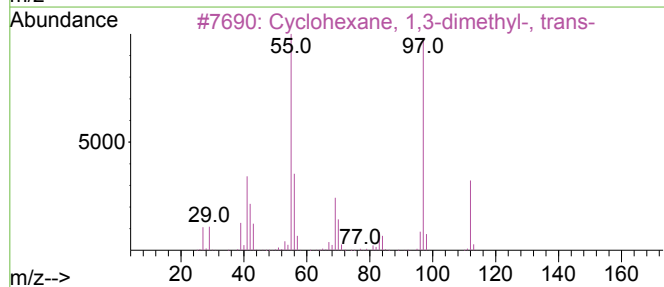
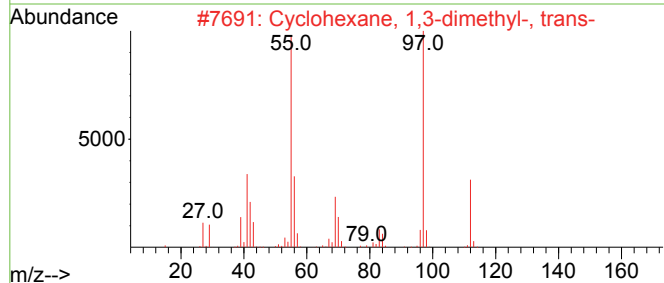
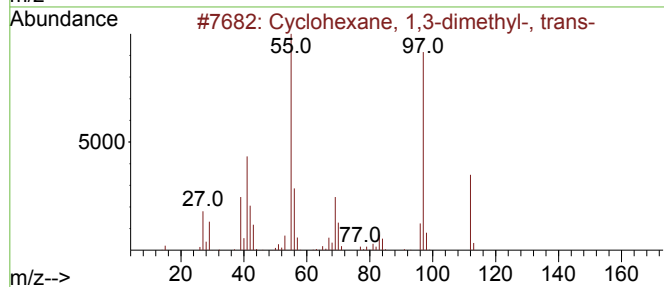
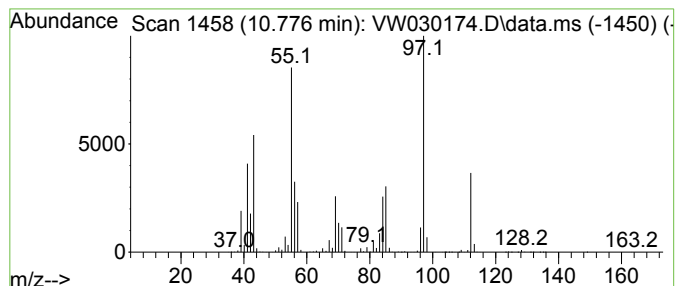
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic10.776 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.776	4.10 ug/L	5890490	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	76
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

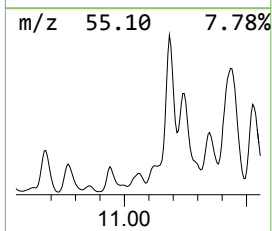
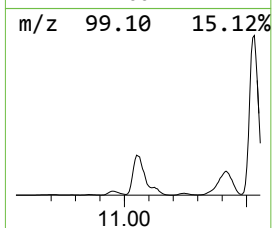
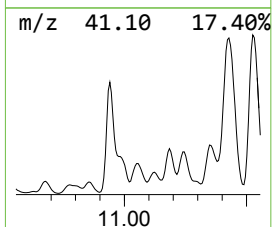
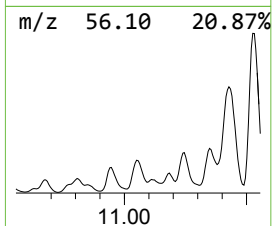
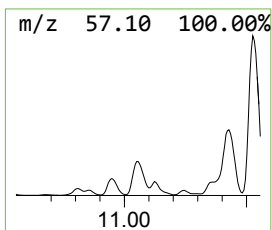
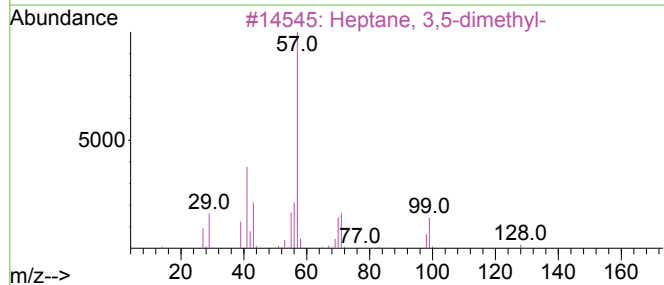
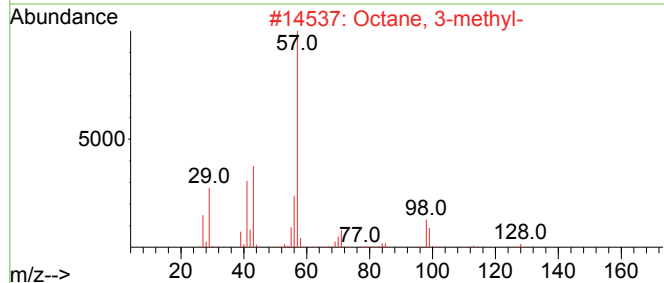
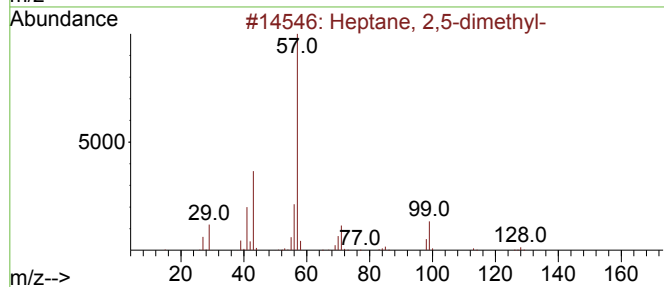
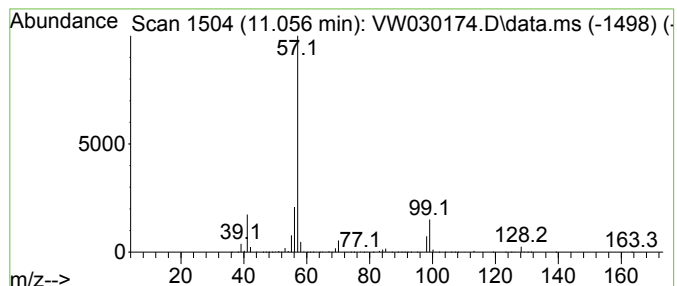
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 29 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.056	6.79 ug/L	9756780	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	72
2	Octane, 3-methyl-		128	C9H20	002216-33-3	72
3	Heptane, 3,5-dimethyl-		128	C9H20	000926-82-9	64
4	Octane, 3-methyl-		128	C9H20	002216-33-3	64
5	2,2,4,4-Tetramethyloctane		170	C12H26	062183-79-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

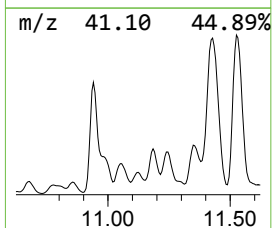
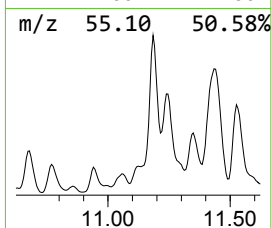
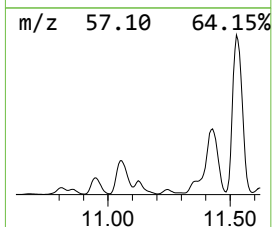
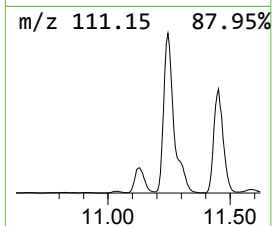
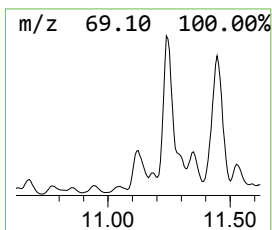
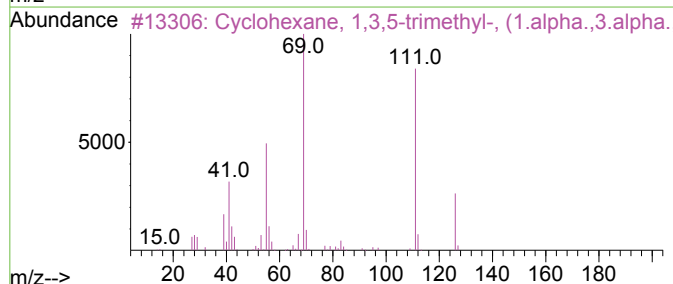
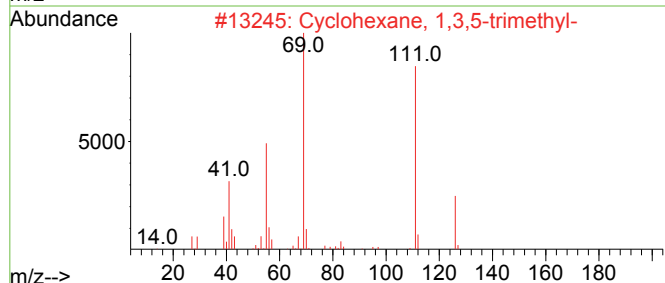
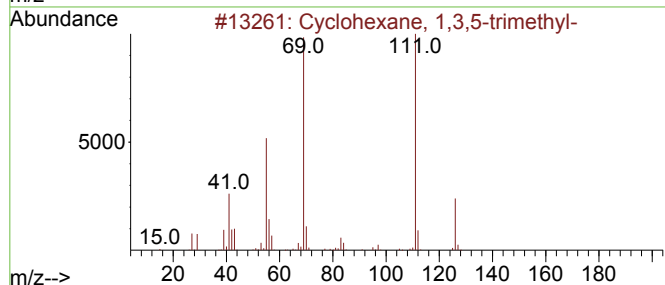
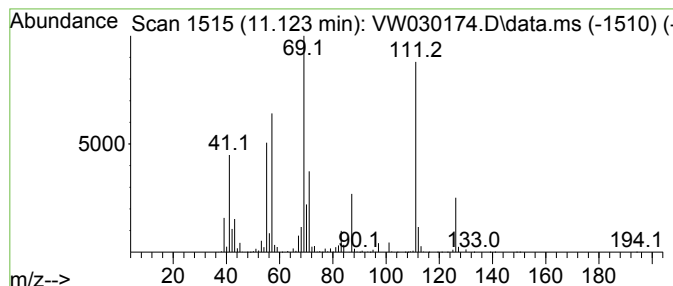
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 30 (DEL) Alkane: Cyclic11.123 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.123	4.58 ug/L	6586380	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	89
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
3	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	68
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

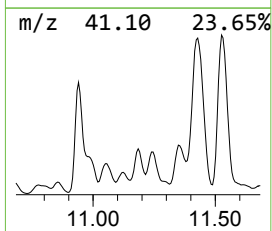
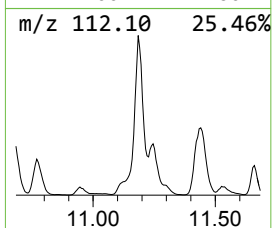
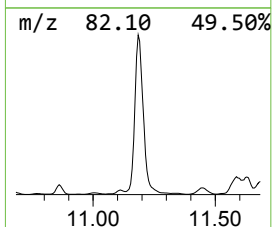
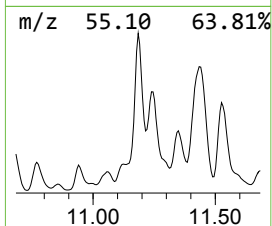
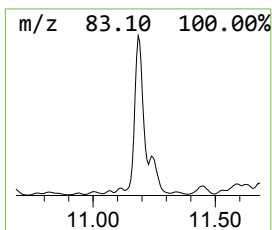
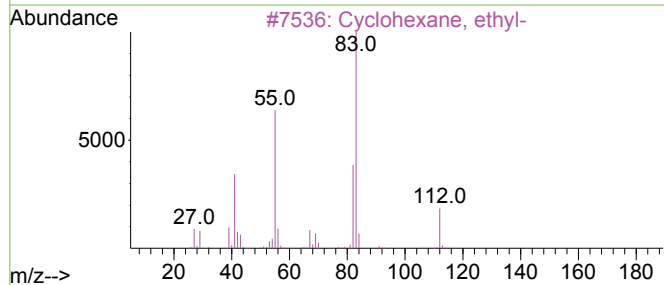
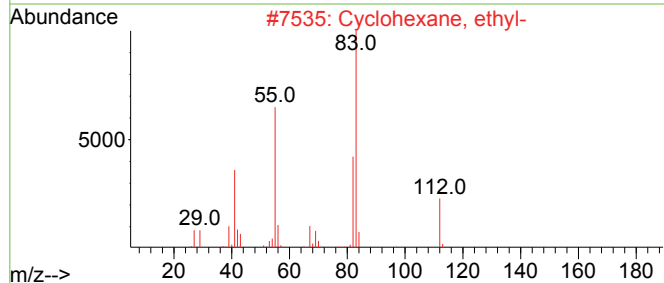
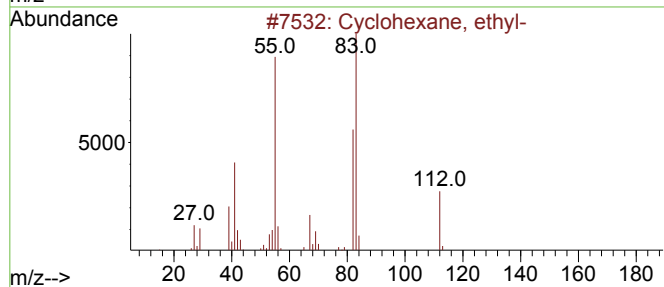
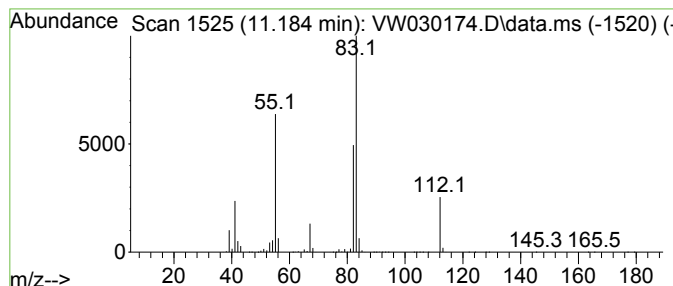
Instrument :
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ClientSampleId :
DDCD5

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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic11.184 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.184	10.65 ug/L	15314400	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	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

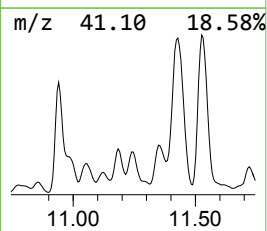
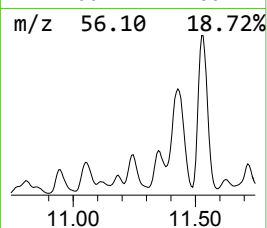
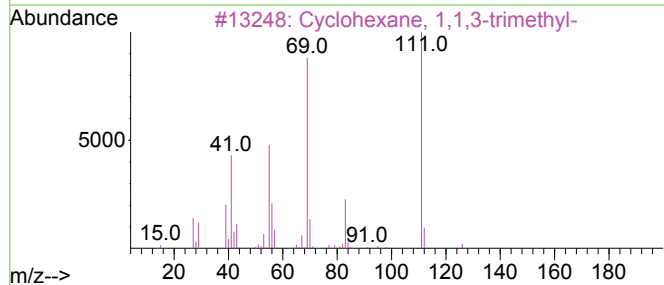
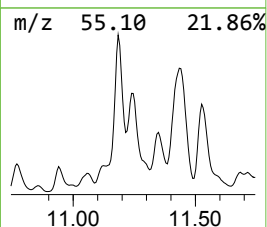
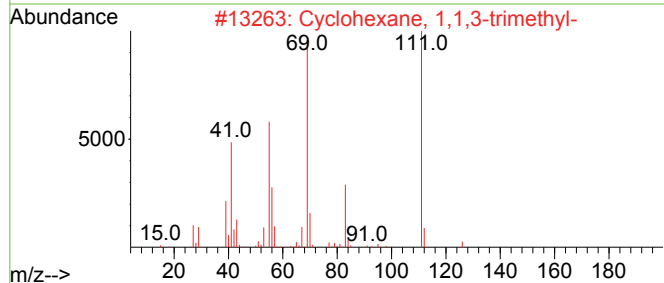
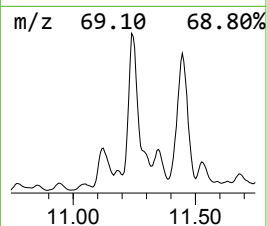
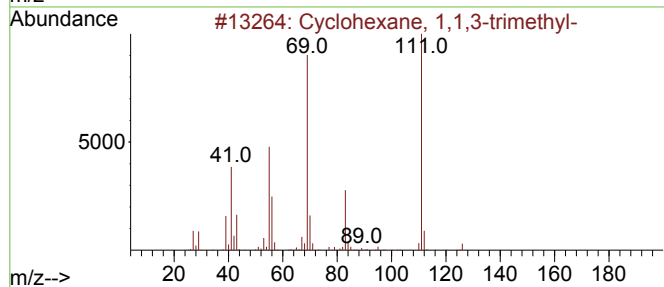
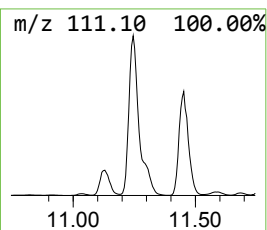
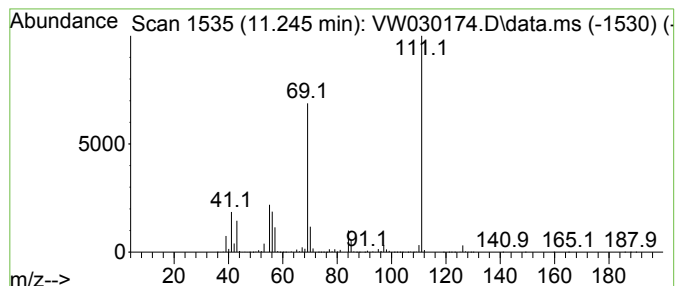
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic11.245 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	14.52 ug/L	20877400	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

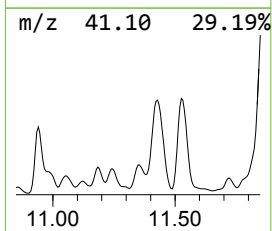
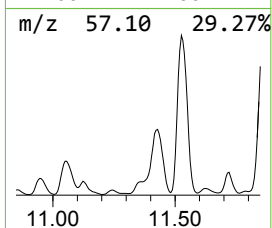
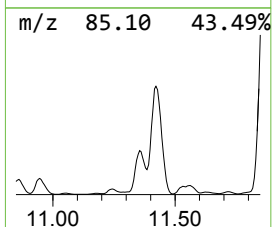
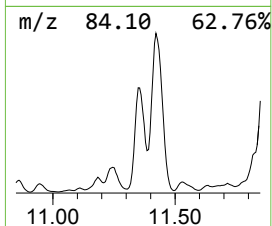
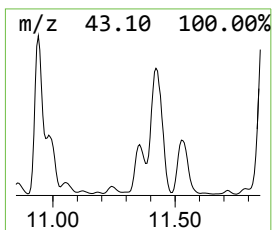
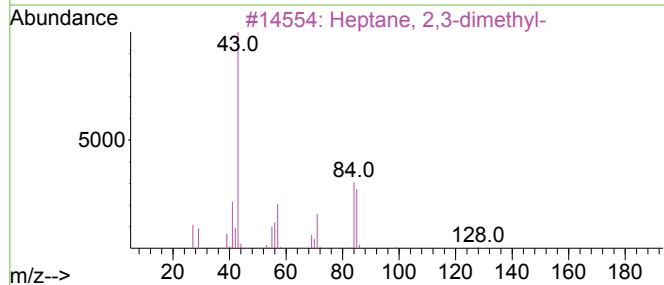
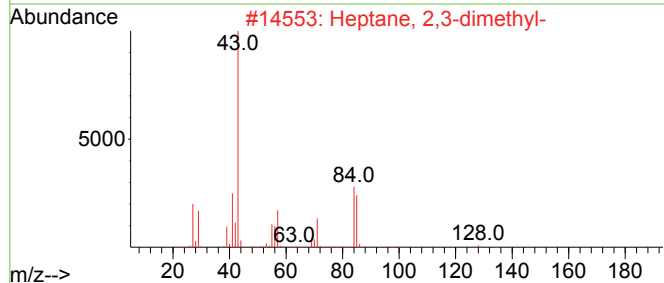
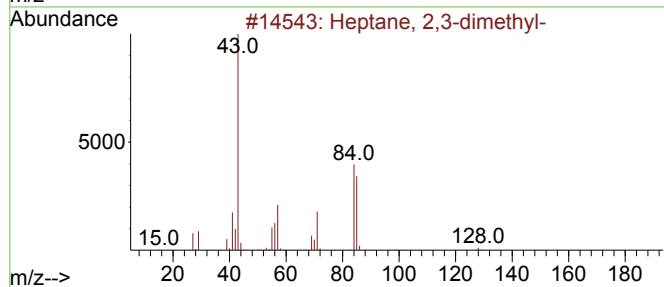
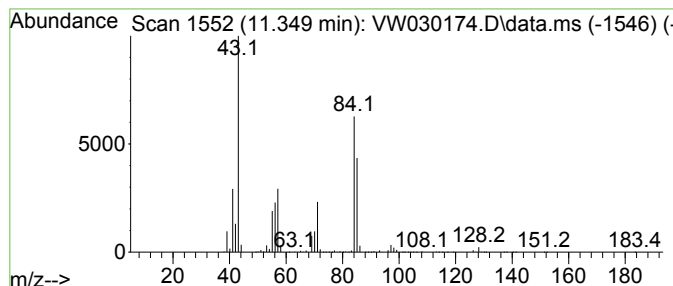
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.349	14.41 ug/L	20712400	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	83
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	59
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52
5			Hexane, 3-ethyl-	114	C8H18	000619-99-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

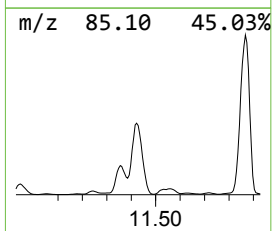
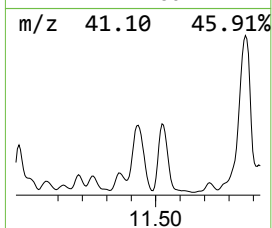
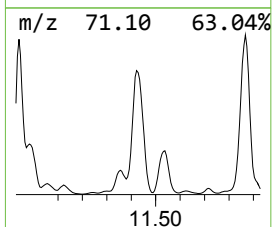
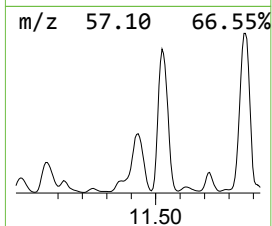
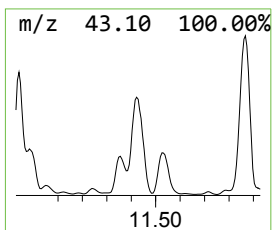
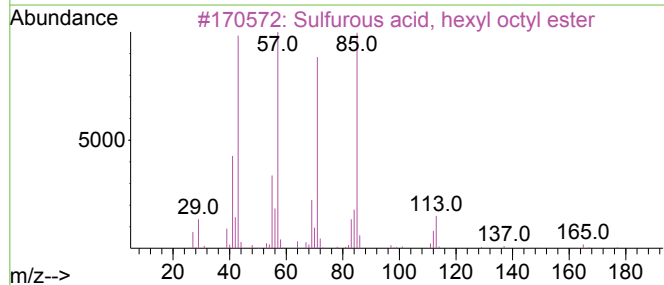
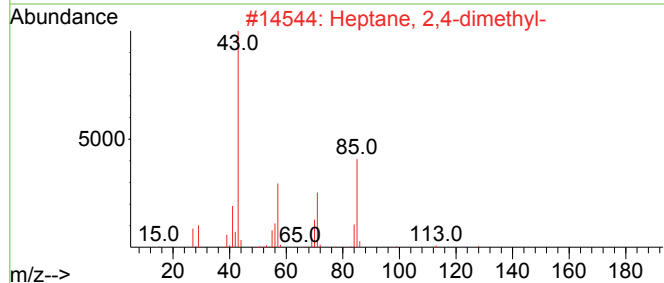
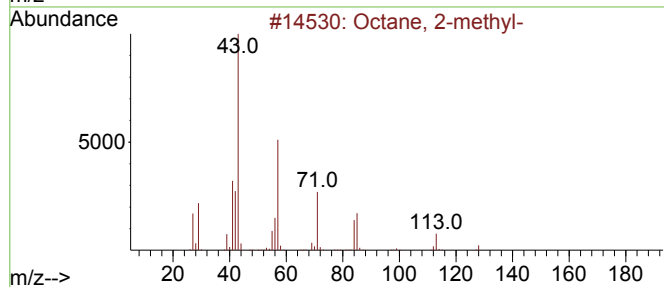
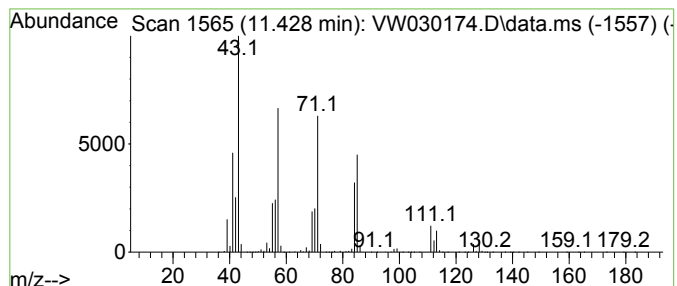
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 34 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.428	57.13 ug/L	82131100	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-		128	C9H20	003221-61-2	68
2	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	53
3	Sulfurous acid, hexyl octyl ester		278	C14H30O3S	1000309-13-0	50
4	Octane		114	C8H18	000111-65-9	50
5	Octane, 4-methyl-		128	C9H20	002216-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

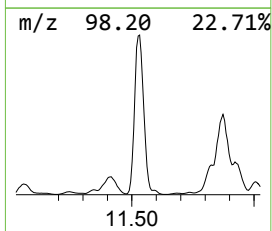
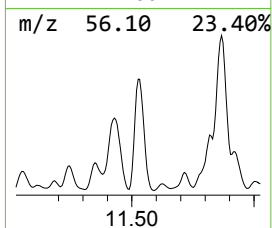
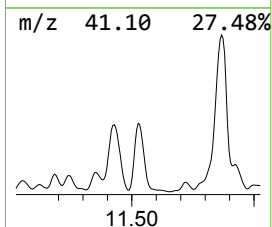
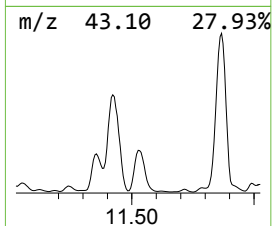
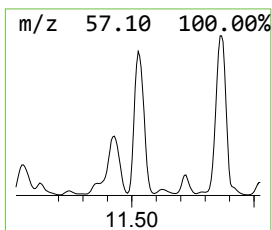
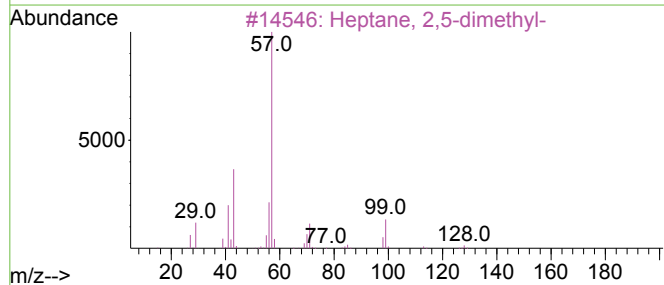
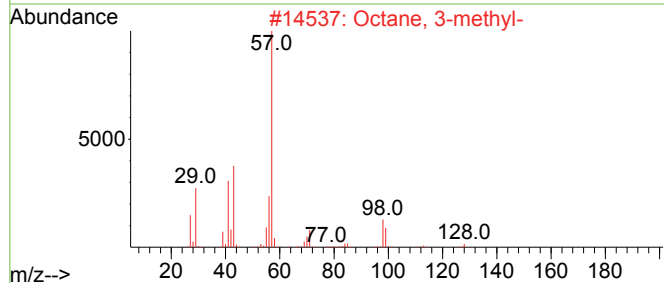
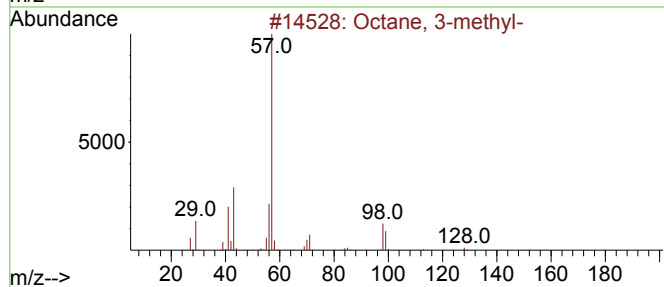
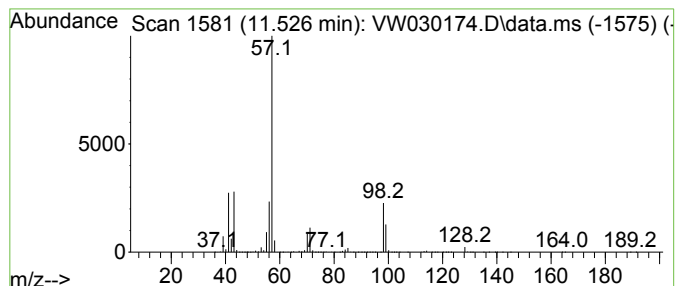
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.526	38.09 ug/L	54757600	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	87
2		Octane, 3-methyl-	128	C9H20	002216-33-3	80
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

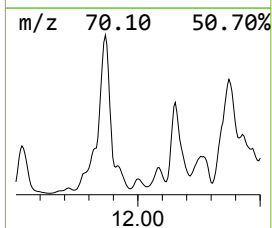
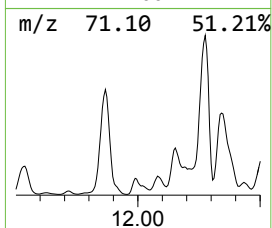
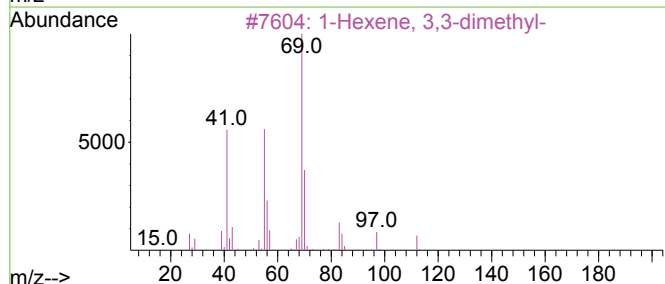
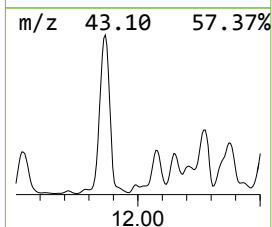
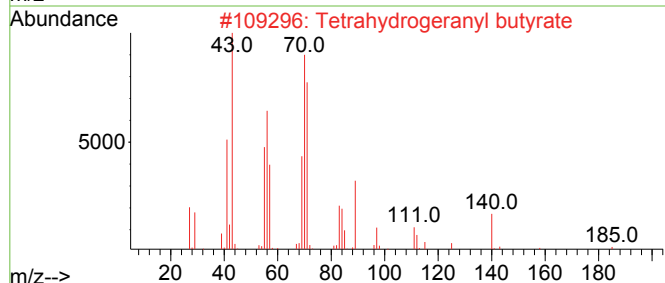
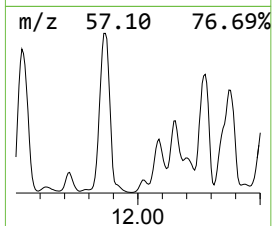
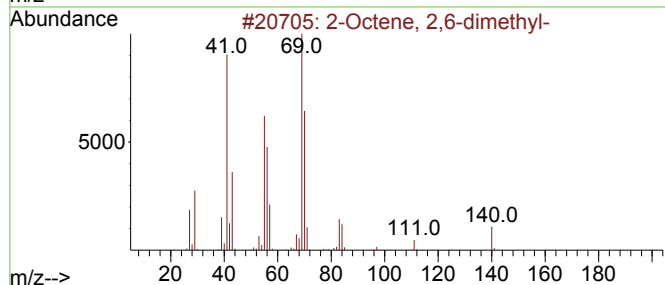
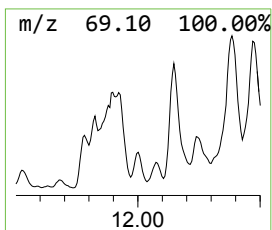
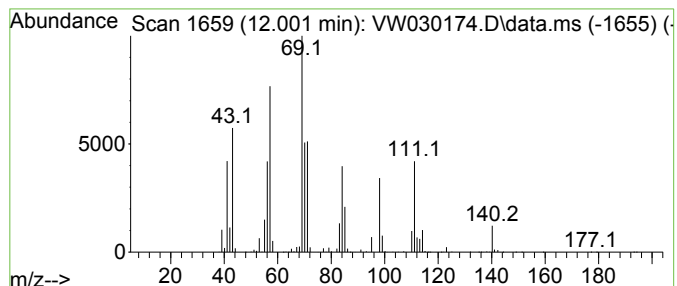
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.001	2.77 ug/L	3988790	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-			140	C10H20	004057-42-5	43
2	Tetrahydrogeranyl butyrate			228	C14H28O2	1000428-75-4	35
3	1-Hexene, 3,3-dimethyl-			112	C8H16	003404-77-1	27
4	2-Pentene, 4-methyl-, (Z)-			84	C6H12	000691-38-3	25
5	Octane			114	C8H18	000111-65-9	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

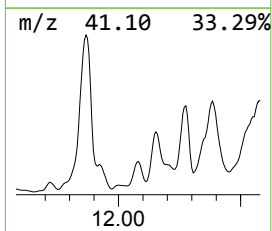
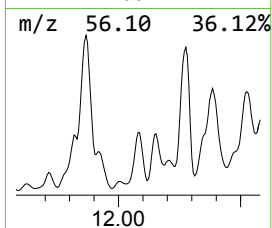
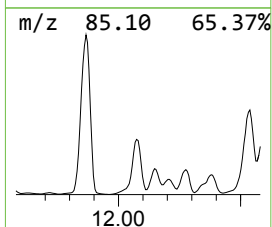
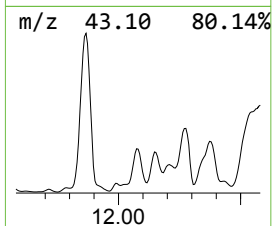
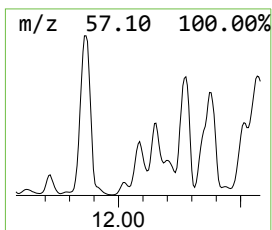
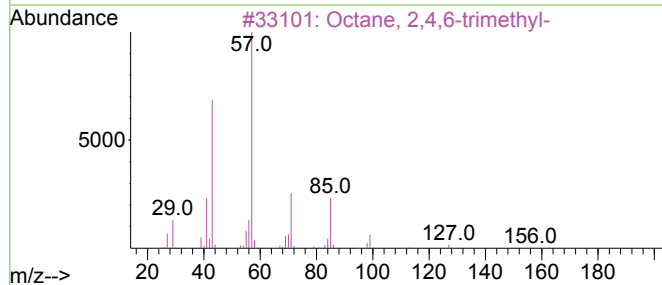
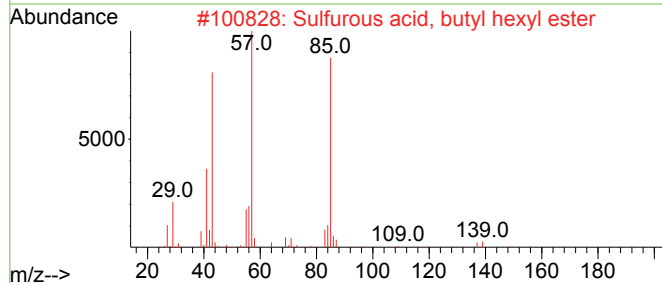
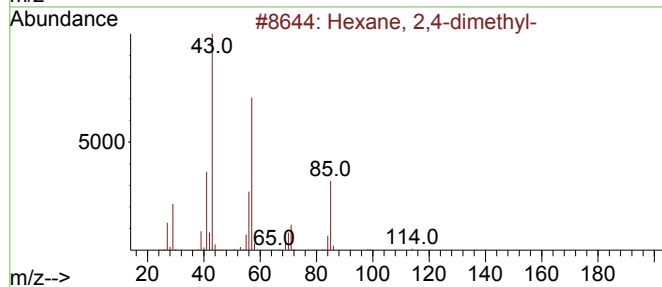
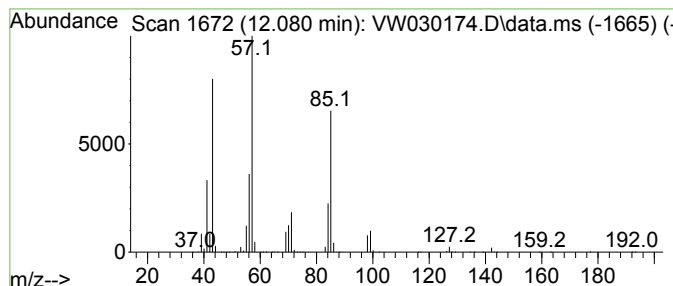
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 37 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.080	15.30 ug/L	21998600	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	64
2	Sulfurous acid, butyl hexyl ester		222	C10H22O3S	1000309-17-3	53
3	Octane, 2,4,6-trimethyl-		156	C11H24	062016-37-9	53
4	Decane, 2,5,6-trimethyl-		184	C13H28	062108-23-0	50
5	2-Butene, 1,4-diethoxy-		144	C8H16O2	007250-85-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

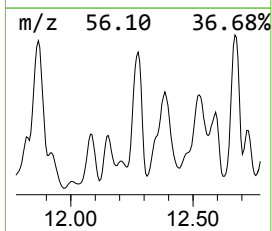
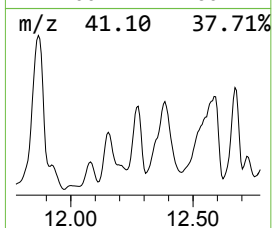
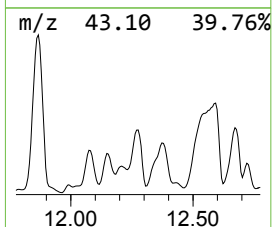
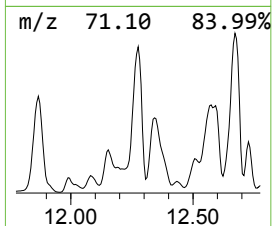
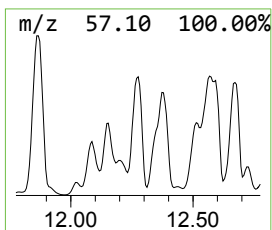
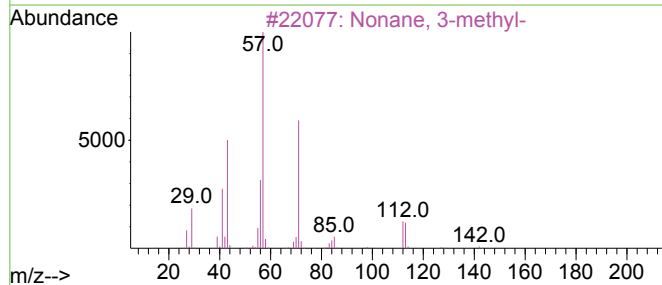
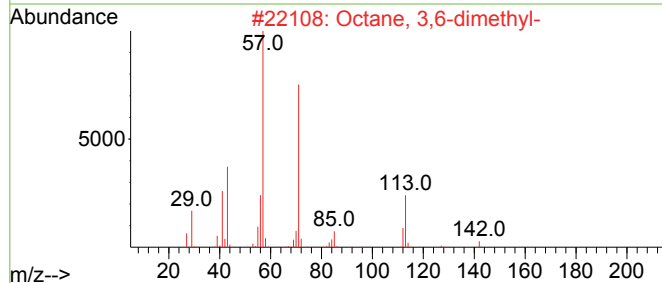
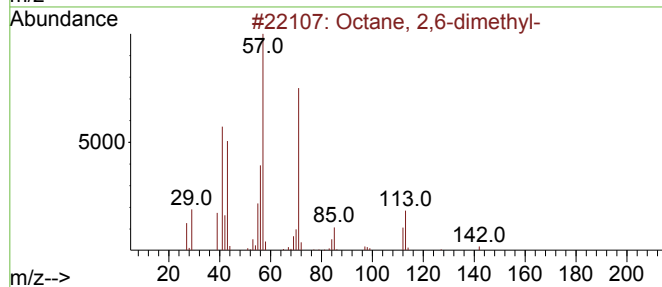
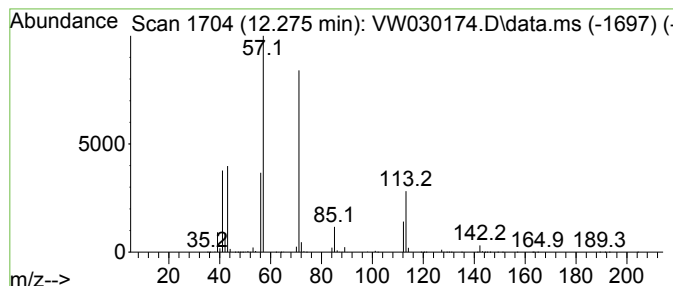
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.275	35.63 ug/L	51225200	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5	Octyl thioglycolate	204	C10H20O2S	007664-80-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

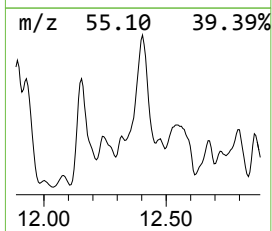
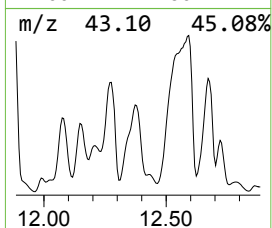
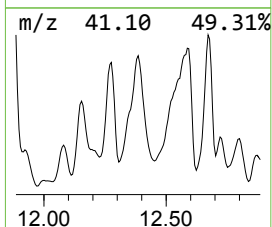
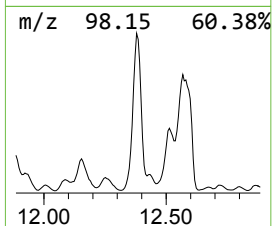
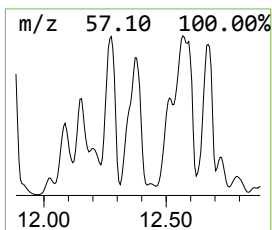
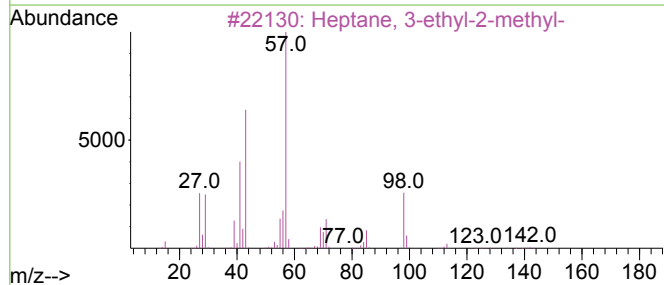
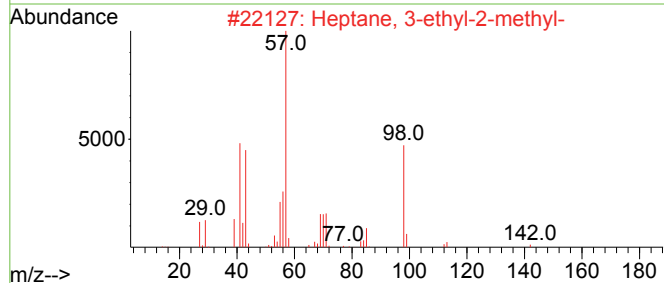
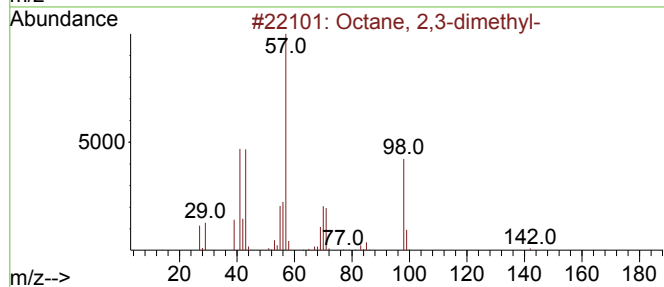
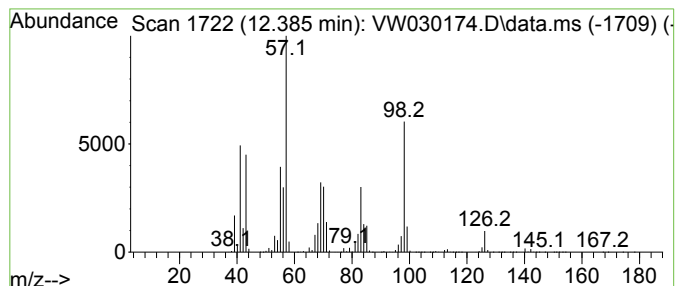
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.385	82.72 ug/L	118926000	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	58
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	58
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	47
4	2-tert-Butylcyclohexanone		154	C10H18O	001728-46-7	43
5	Heptyl tetradecyl ether		312	C21H44O	1000406-39-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

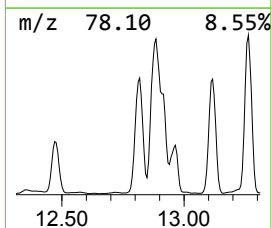
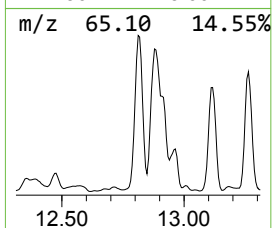
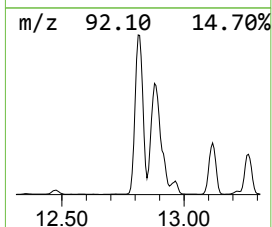
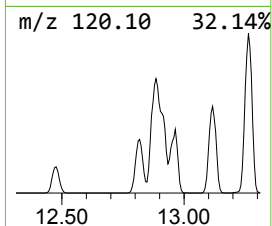
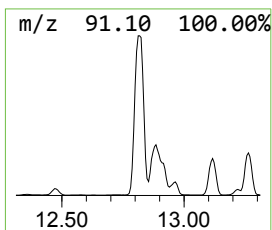
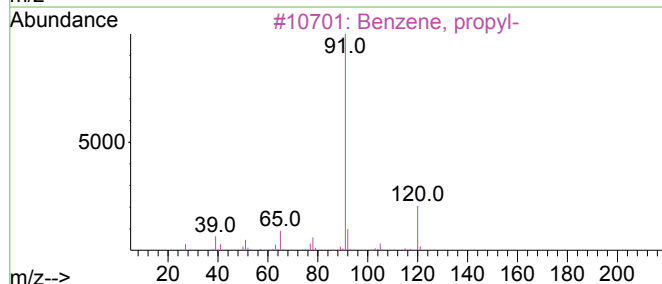
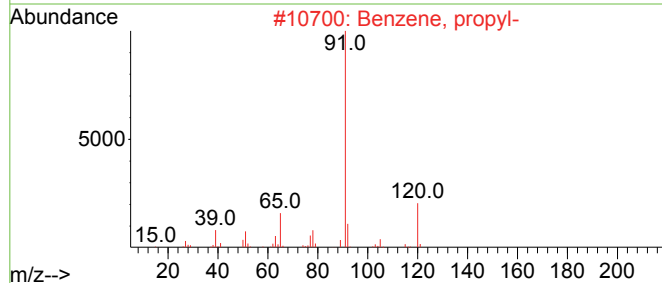
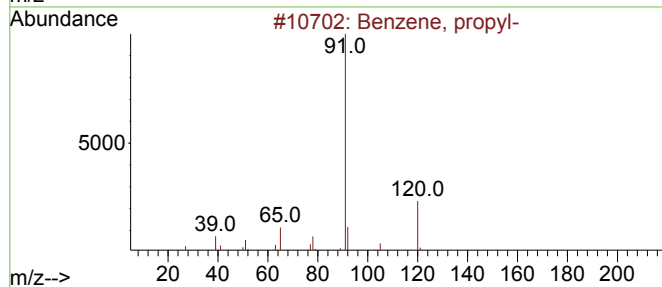
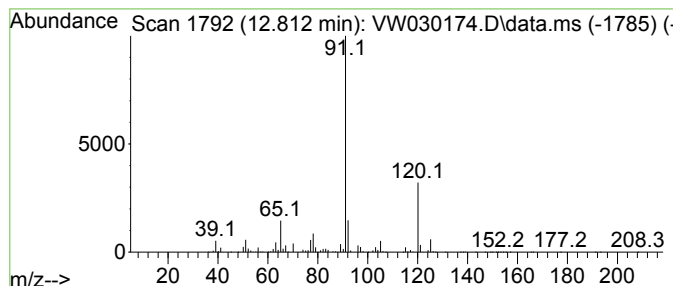
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.812	256.26 ug/L	57160200	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	93
3			Benzene, propyl-	120	C9H12	000103-65-1	87
4			Benzene, propyl-	120	C9H12	000103-65-1	83
5			N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

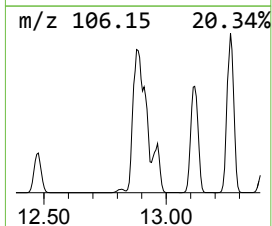
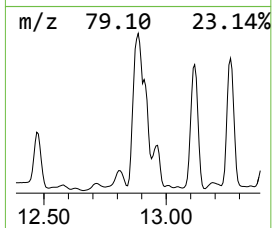
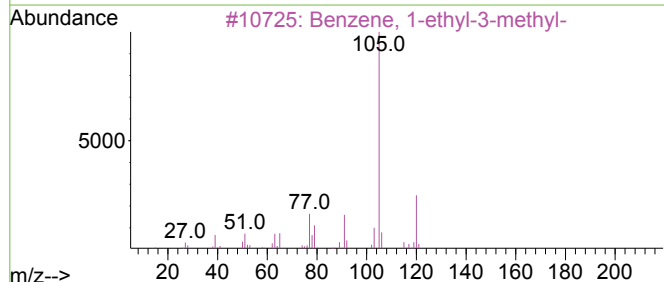
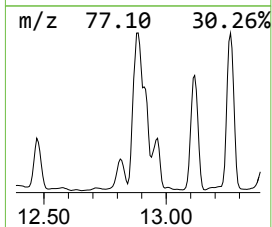
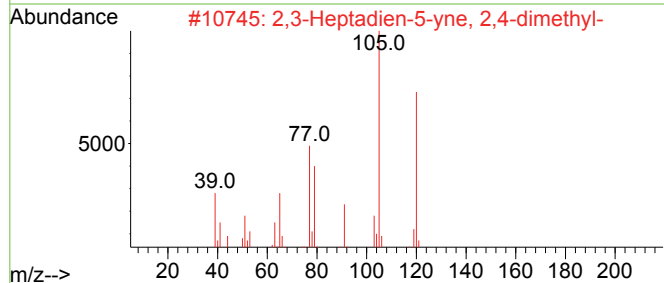
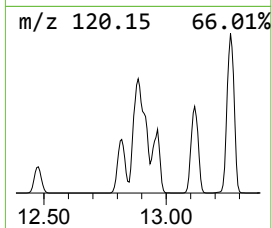
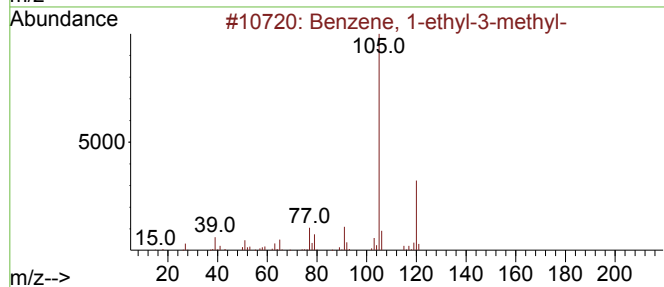
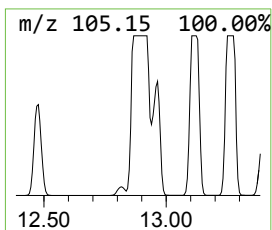
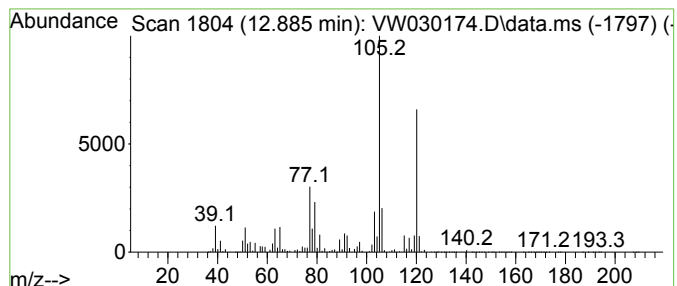
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Quant Title : SFAM01.0

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

Peak Number 41 2,3-Heptadien-5-yne, 2,4-di... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	525.14 ug/L	117136000	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
2			2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	80
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	74
4			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	74
5			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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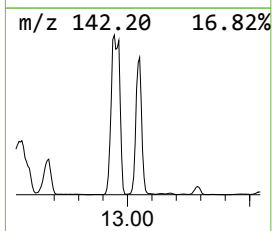
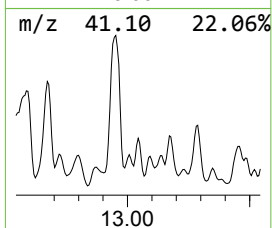
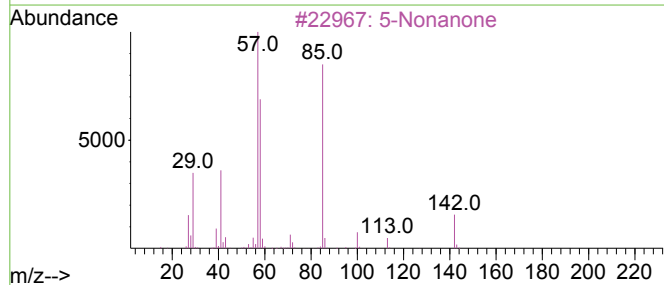
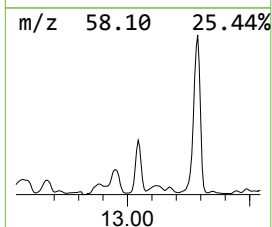
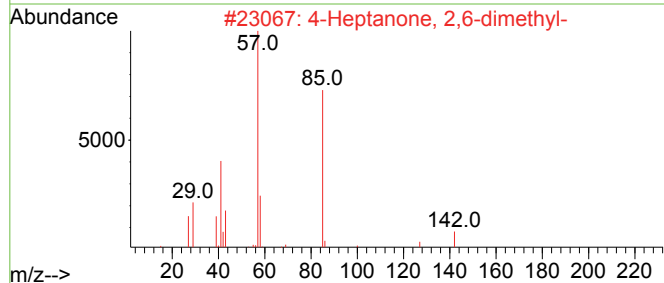
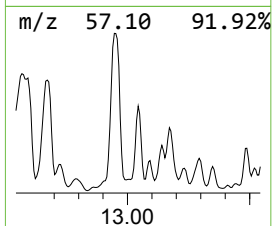
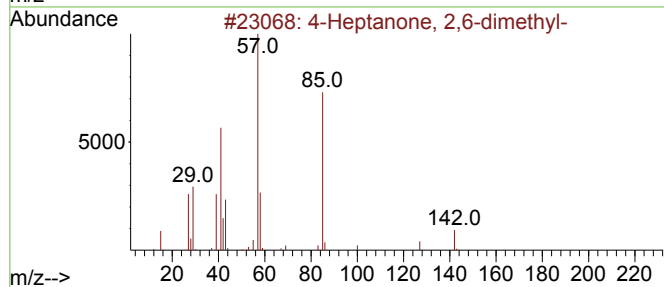
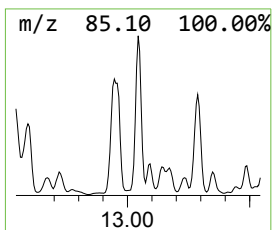
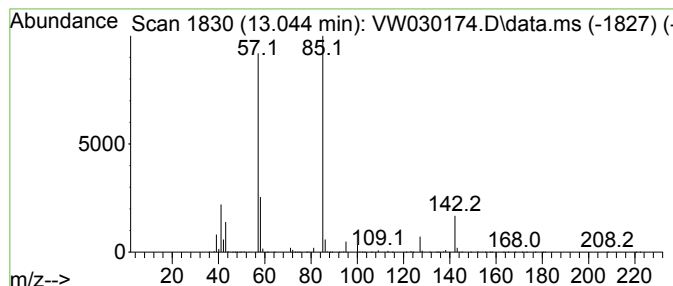
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Quant Title : SFAM01.0

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

Peak Number 42 4-Heptanone, 2,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	78.07 ug/L	17414700	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	86
2			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	86
3			5-Nonanone	142	C9H18O	000502-56-7	59
4			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	52
5			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

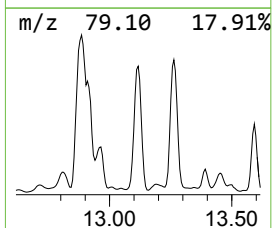
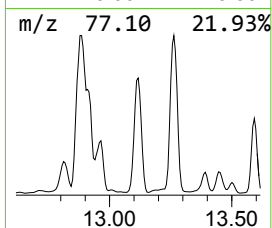
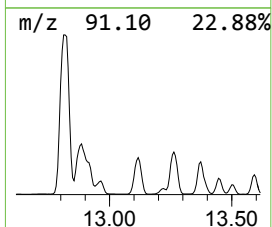
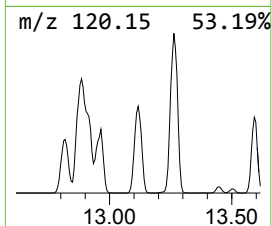
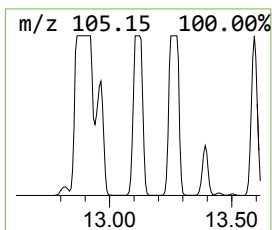
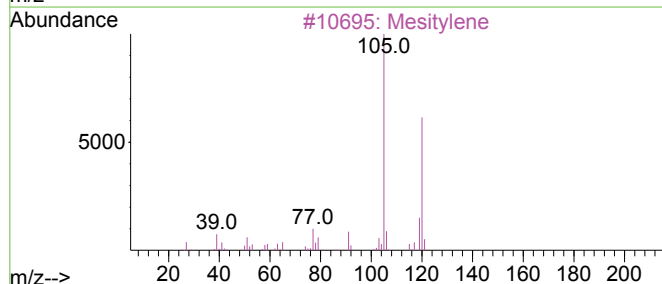
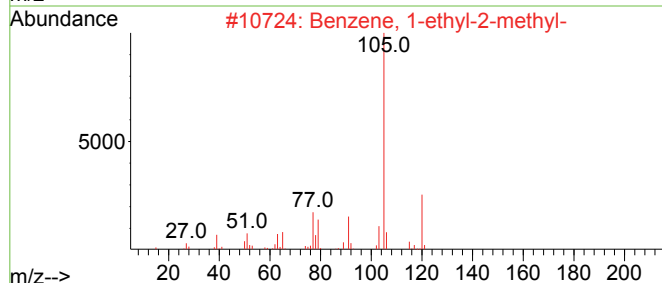
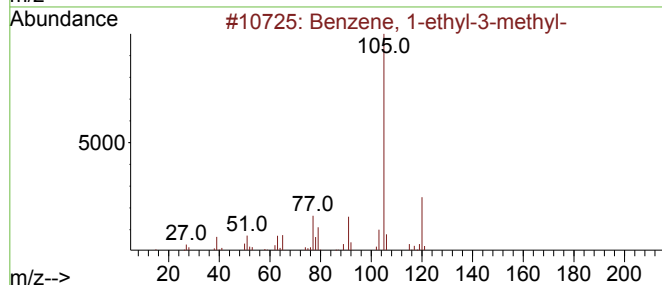
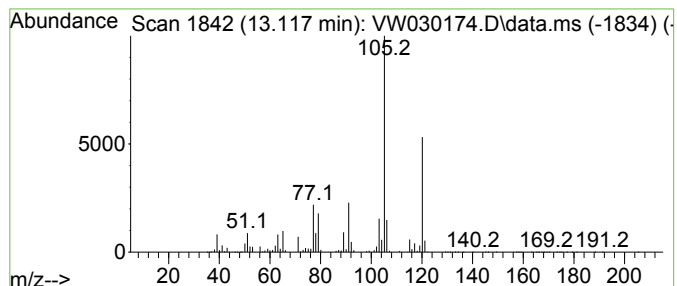
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.117	410.98 ug/L	91671400	1,4-Dichlorobenzene-d4	13.550

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3		Mesitylene	120	C9H12	000108-67-8	83
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	83
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

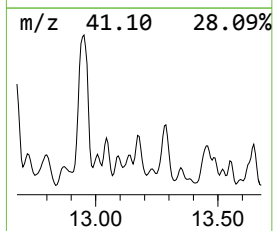
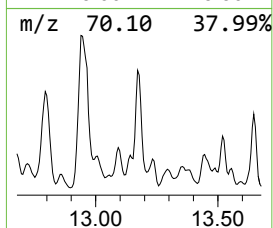
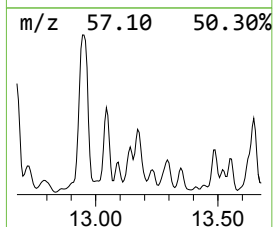
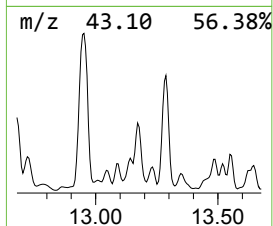
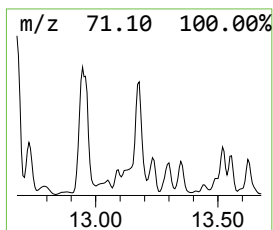
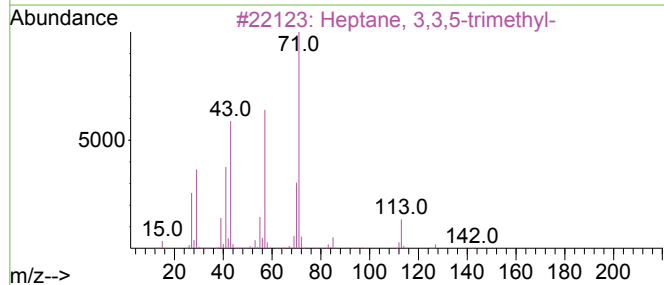
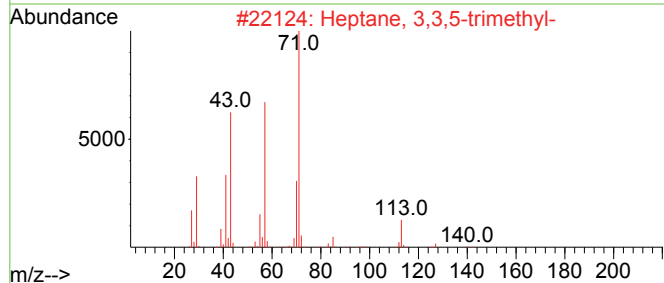
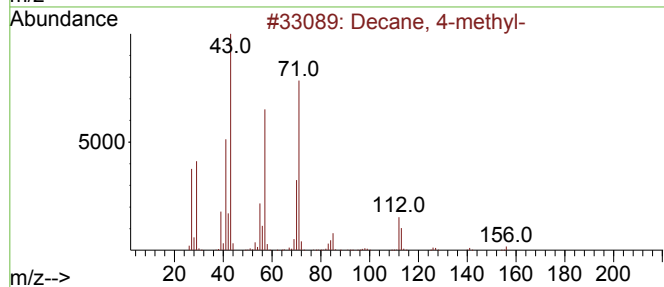
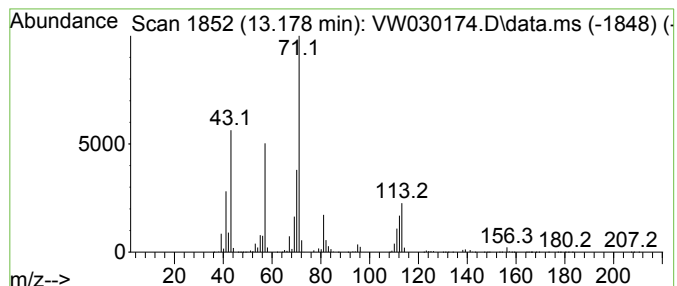
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.178	118.51 ug/L	26434900	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	59
2			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
3			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

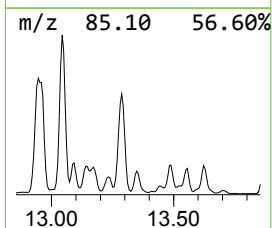
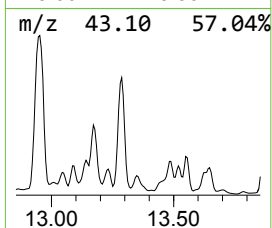
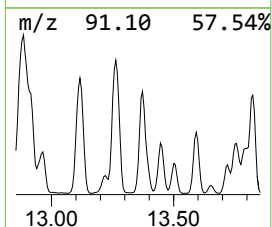
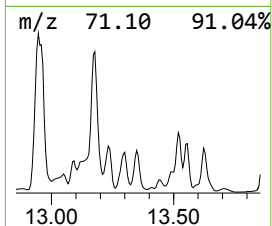
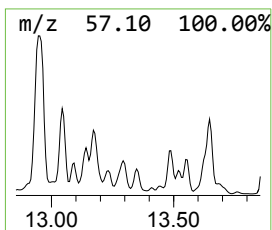
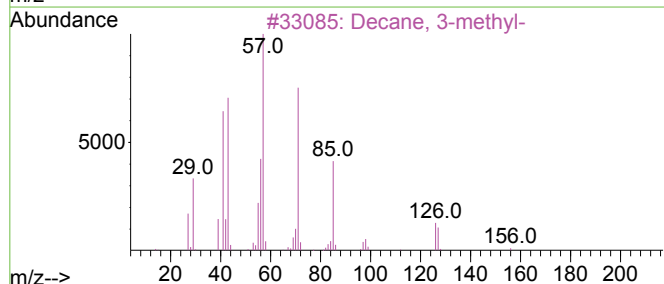
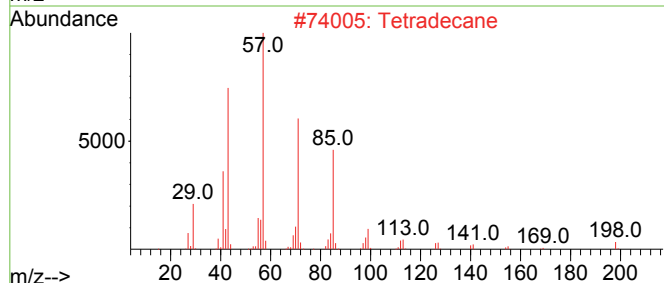
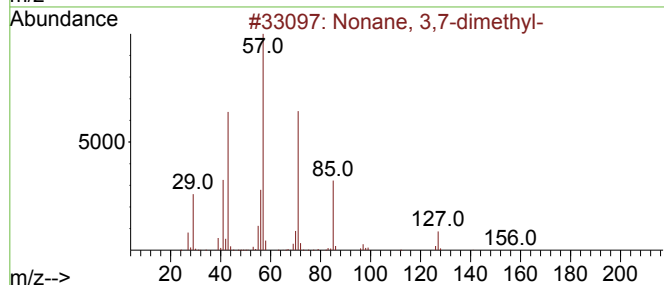
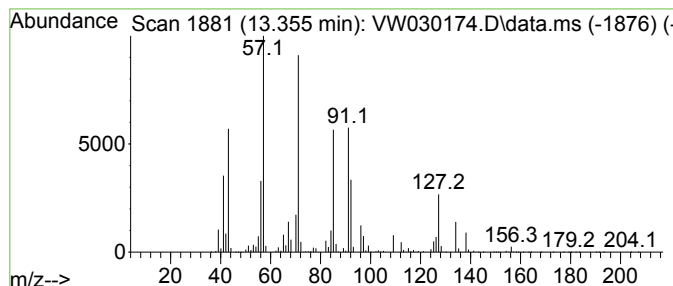
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.355	42.09 ug/L	9387510	1,4-Dichlorobenzene-d4			13.550
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	52
2	Tetradecane		198	C14H30	000629-59-4	50
3	Decane, 3-methyl-		156	C11H24	013151-34-3	46
4	10-Methylnonadecane		282	C20H42	056862-62-5	38
5	Octane, 2,3,6,7-tetramethyl-		170	C12H26	052670-34-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

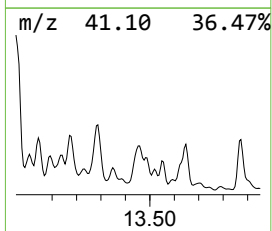
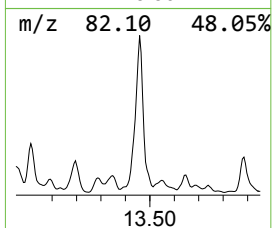
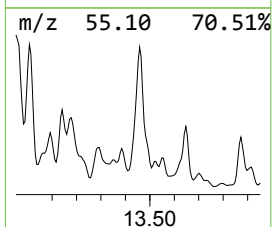
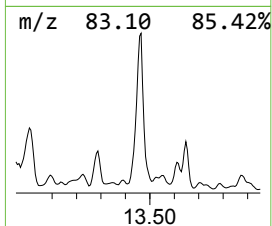
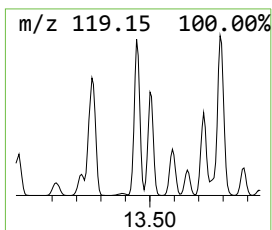
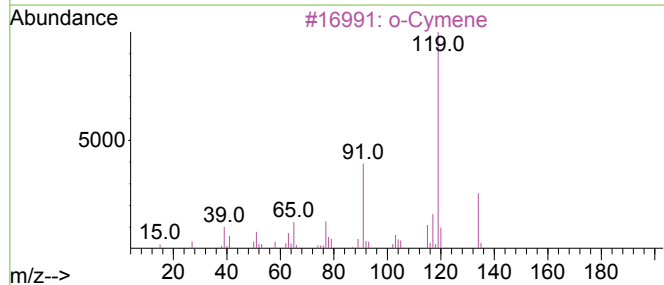
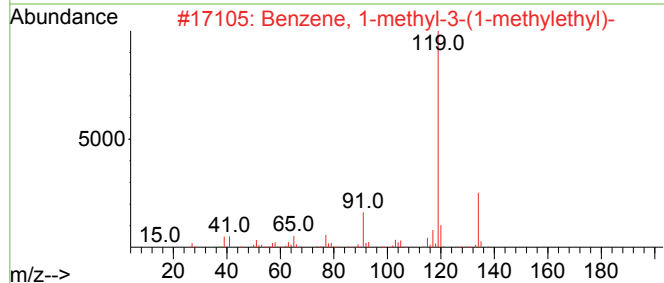
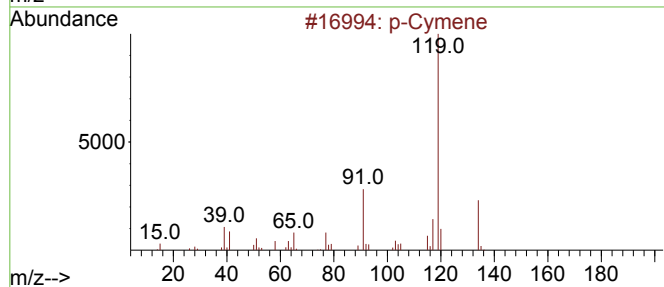
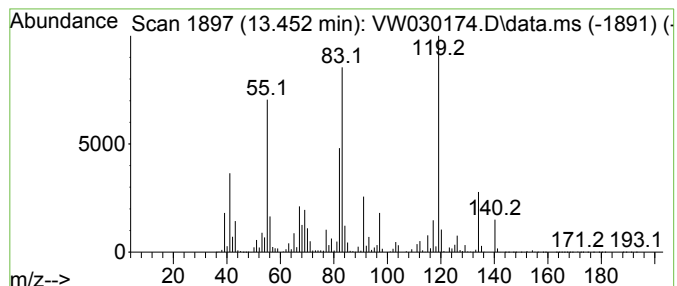
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Quant Title : SFAM01.0

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

Peak Number 46 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.452	210.63 ug/L	46981200	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	86
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	83
3			o-Cymene	134	C10H14	000527-84-4	83
4			o-Cymene	134	C10H14	000527-84-4	80
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

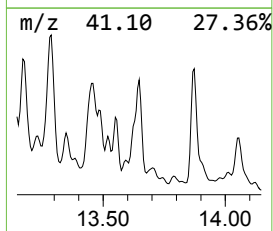
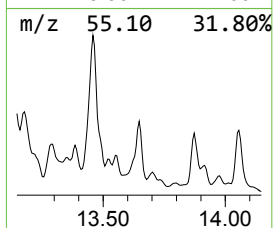
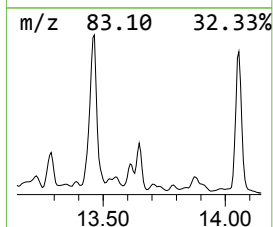
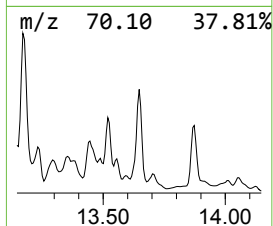
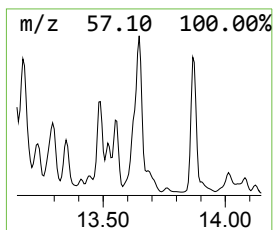
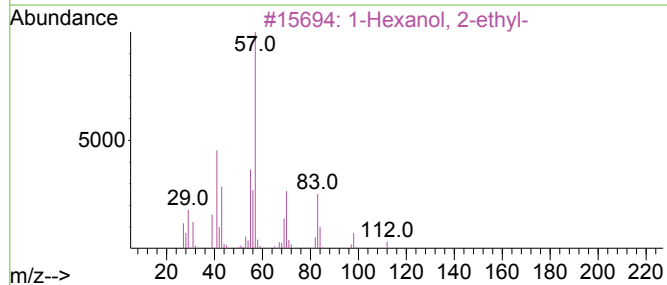
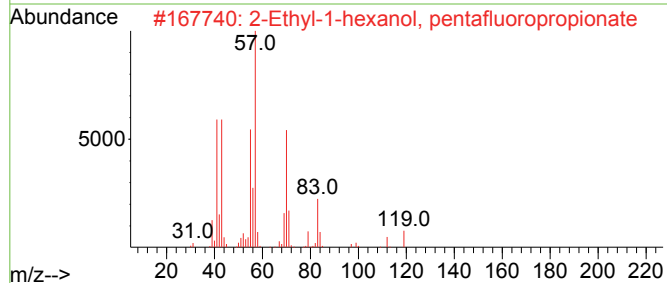
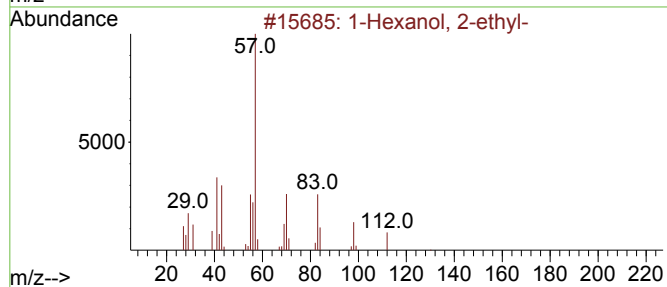
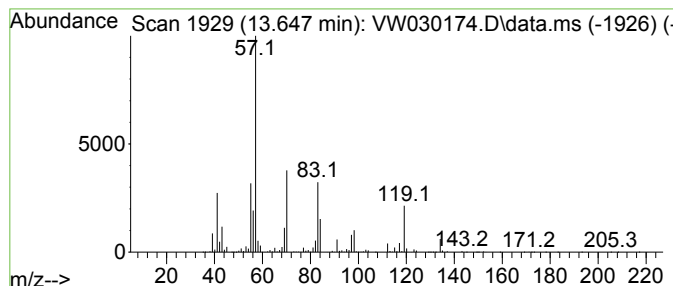
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Quant Title : SFAM01.0

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

Peak Number 47 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.647	89.68 ug/L	20004600	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	45
2	2-Ethyl-1-hexanol, pentafluoropr...			276	C11H17F5O2	959012-82-9	43
3	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	42
4	Cyclopropane, 1-(2-methylbutyl)-...			168	C12H24	064723-36-0	42
5	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

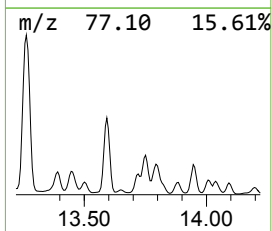
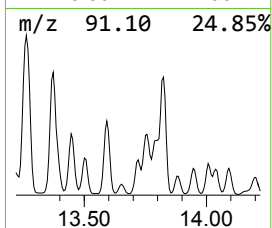
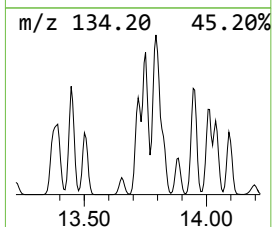
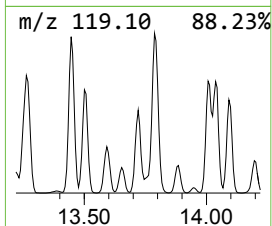
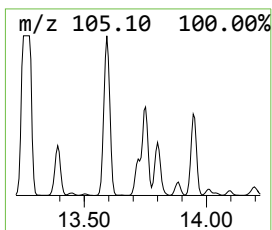
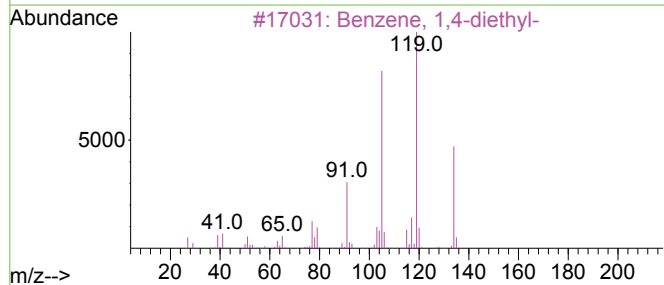
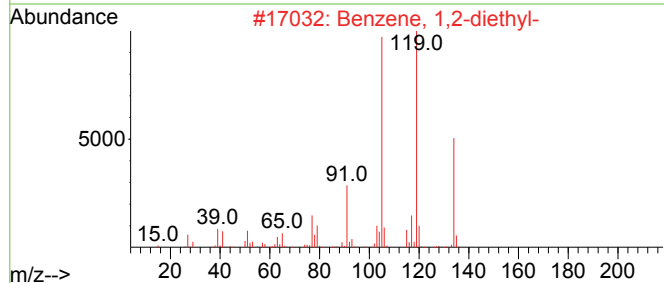
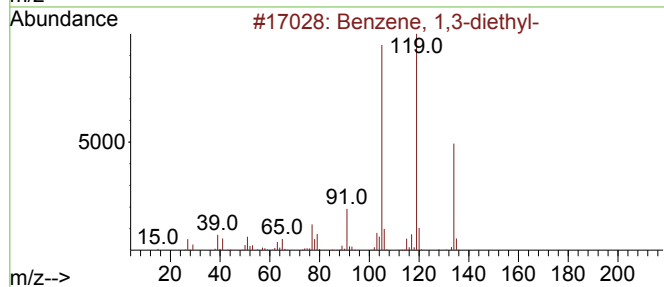
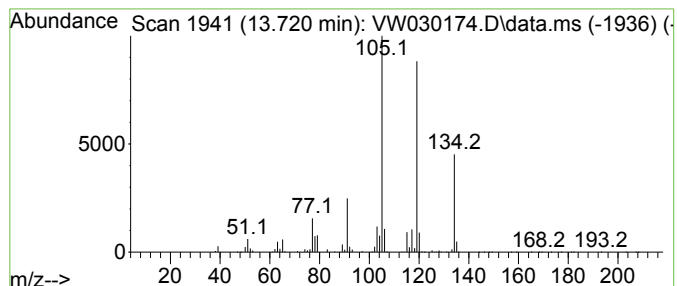
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Quant Title : SFAM01.0

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

Peak Number 48 Benzene, 1,3-diethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.720	43.95 ug/L	9803740	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

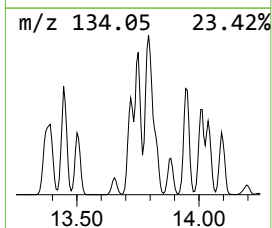
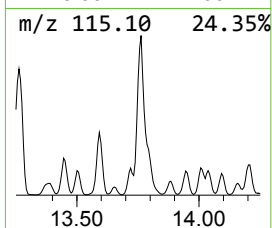
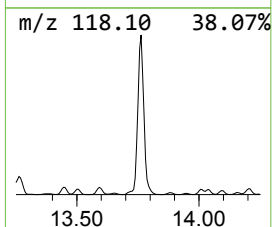
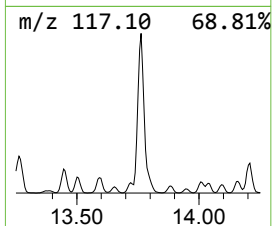
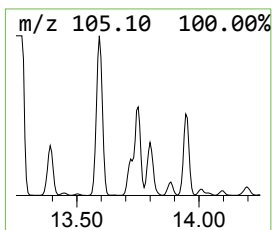
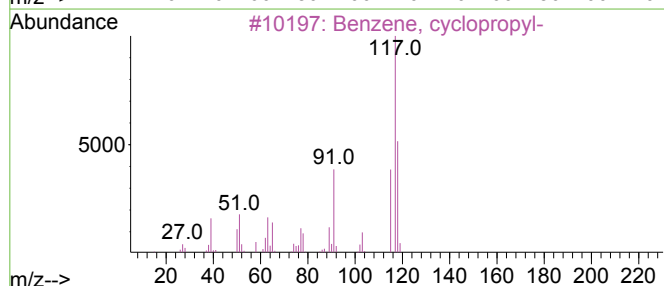
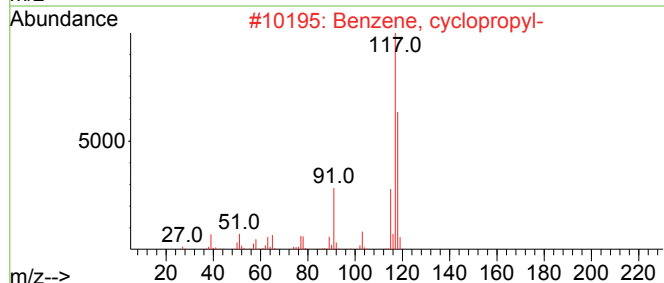
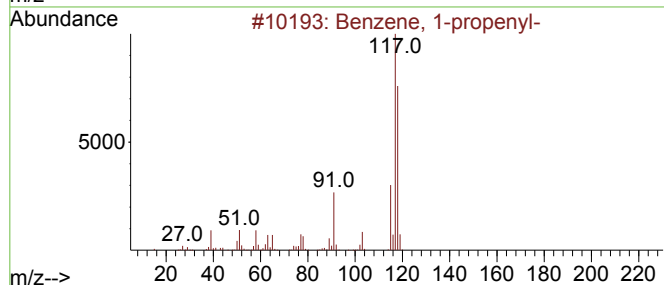
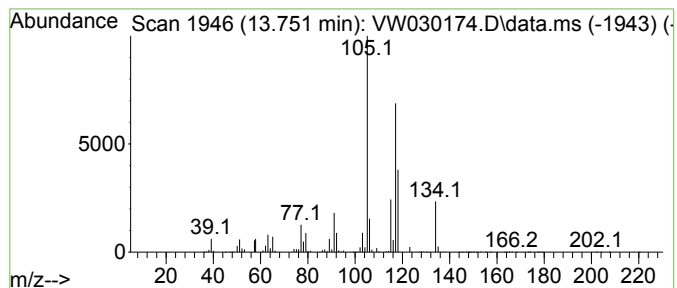
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Quant Title : SFAM01.0

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

Peak Number 49 Benzene, 1-propenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	95.43 ug/L	21286200	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
2			Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	49
4			Benzene, 2-propenyl-	118	C9H10	000300-57-2	49
5			Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

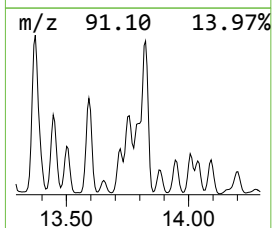
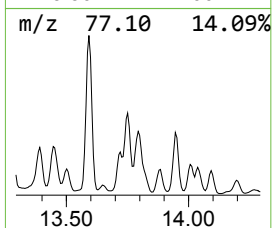
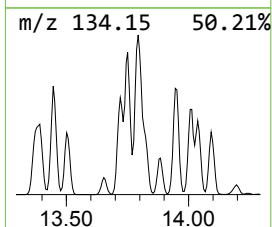
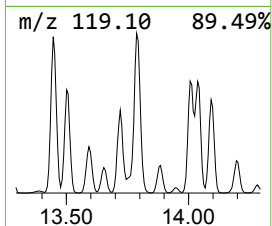
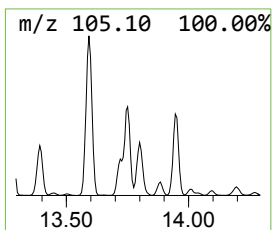
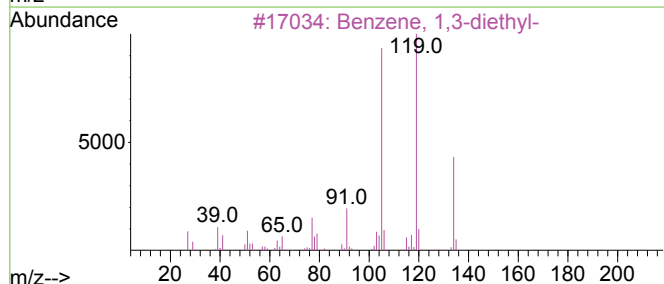
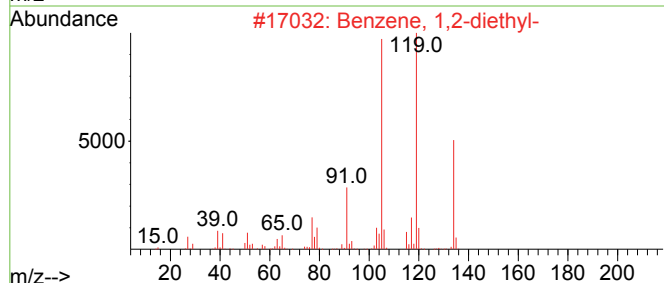
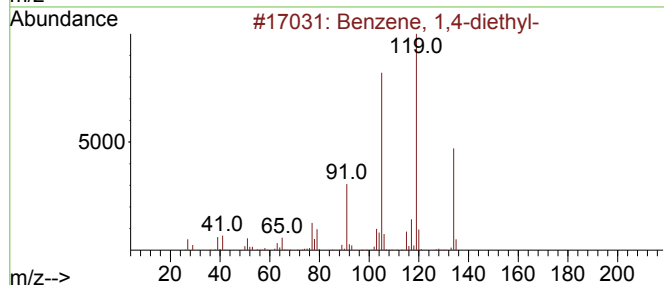
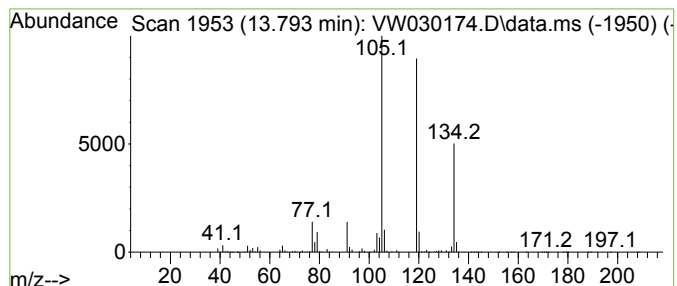
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, 1,4-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.794	110.69 ug/L	24690200	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

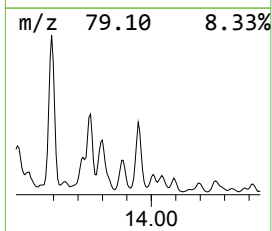
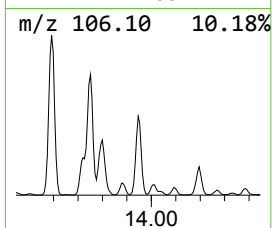
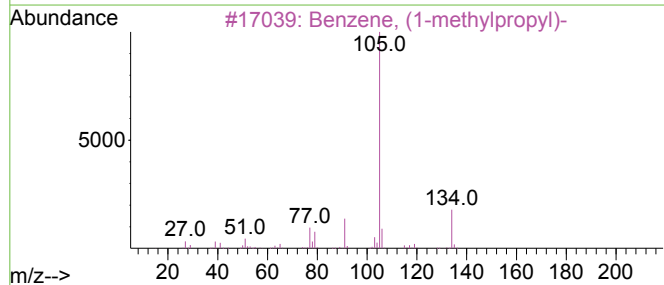
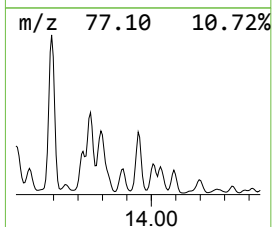
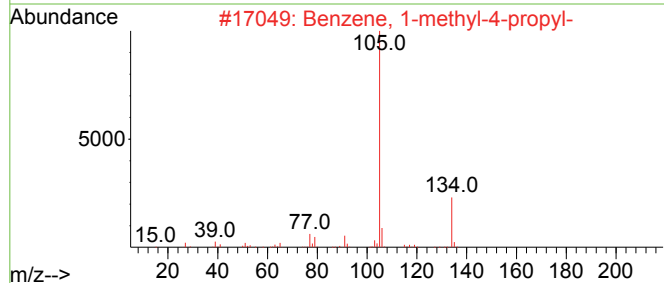
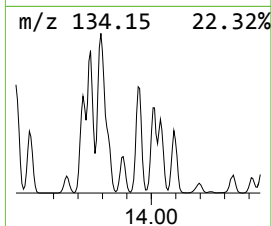
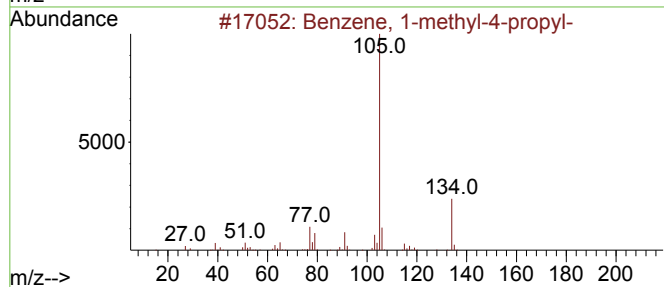
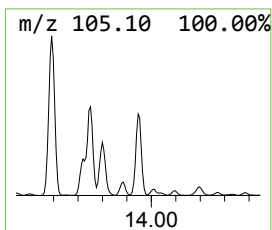
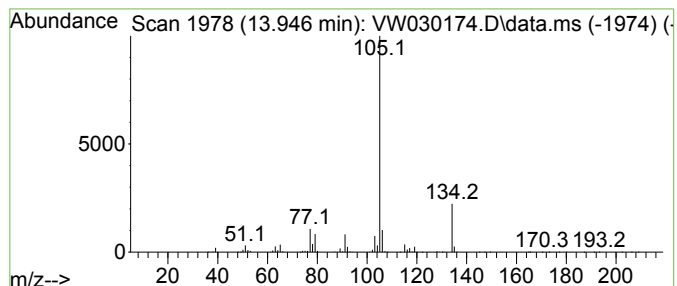
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Quant Title : SFAM01.0

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

Peak Number 51 Benzene, 1-methyl-4-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	51.05 ug/L	11386500	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

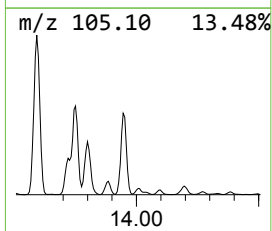
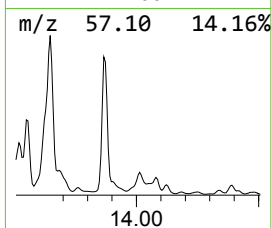
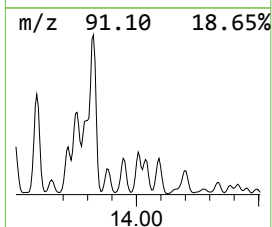
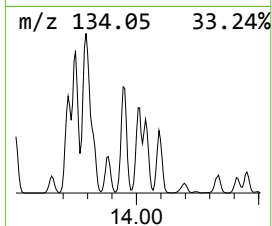
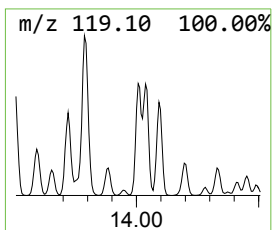
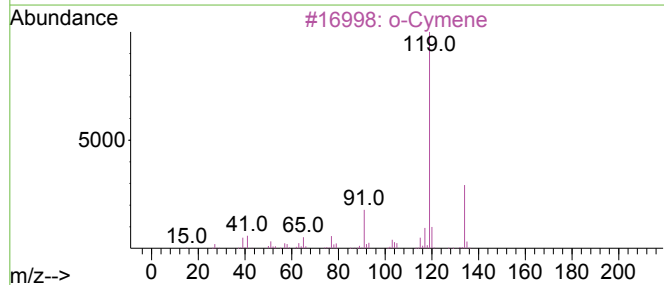
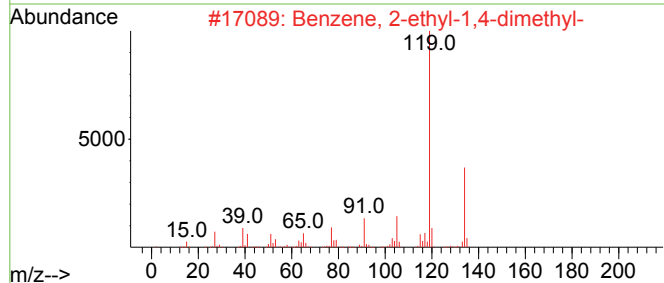
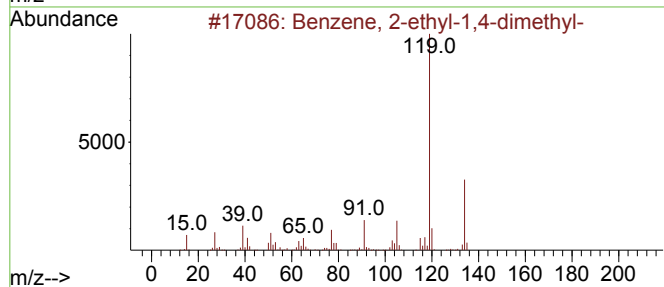
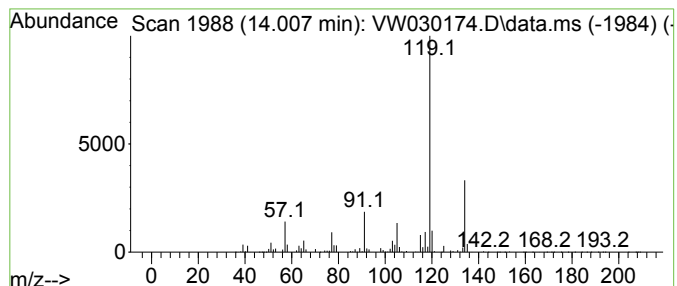
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Quant Title : SFAM01.0

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

Peak Number 52 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	39.92 ug/L	8904740	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

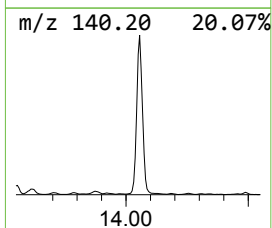
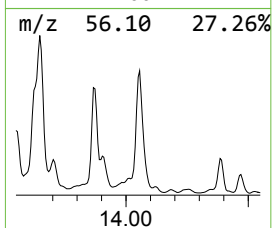
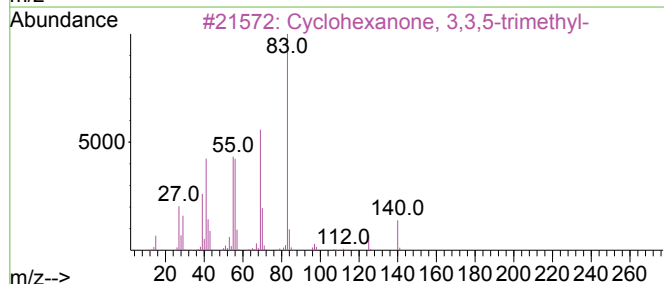
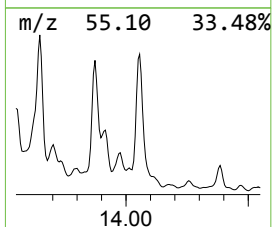
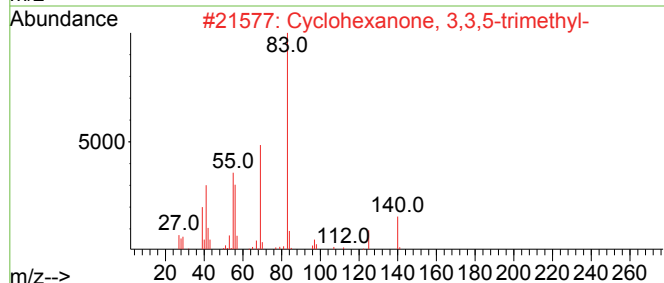
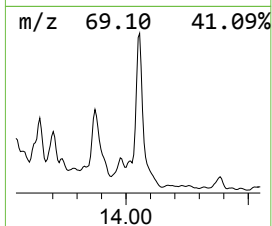
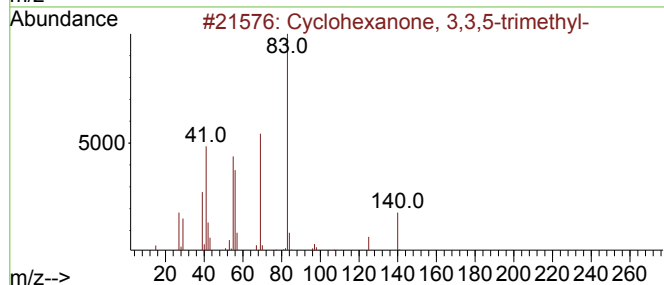
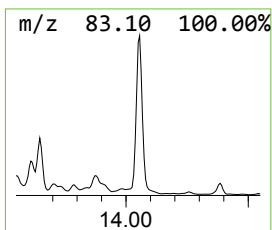
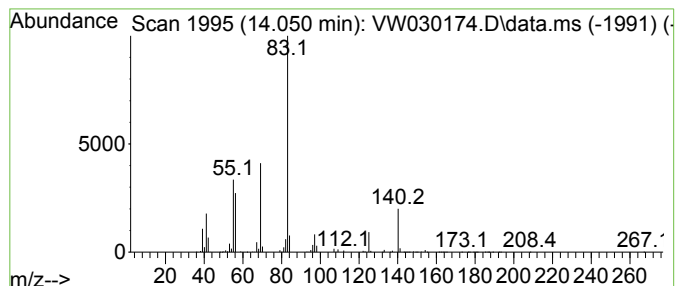
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Quant Title : SFAM01.0

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

Peak Number 53 Cyclohexanone, 3,3,5-trimet... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.050	73.72 ug/L	16442800	1,4-Dichlorobenzene-d4	13.550

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
2		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
3		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	83
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5		1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

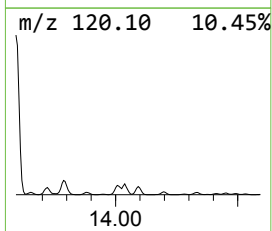
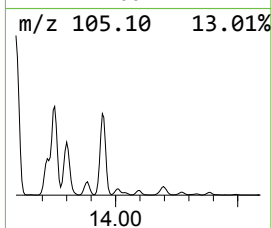
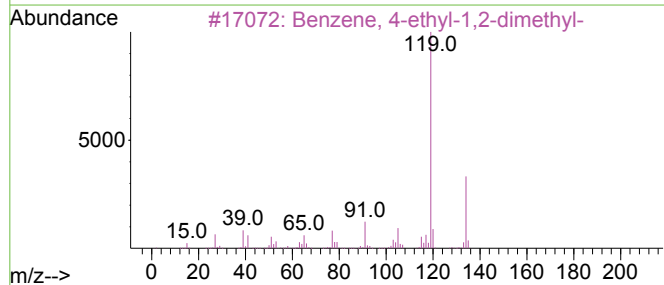
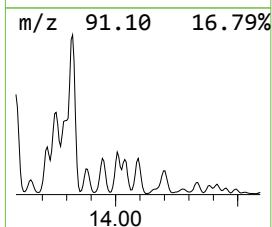
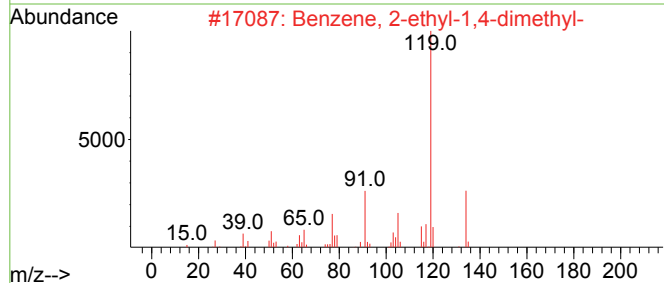
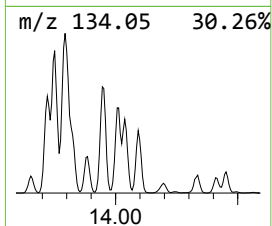
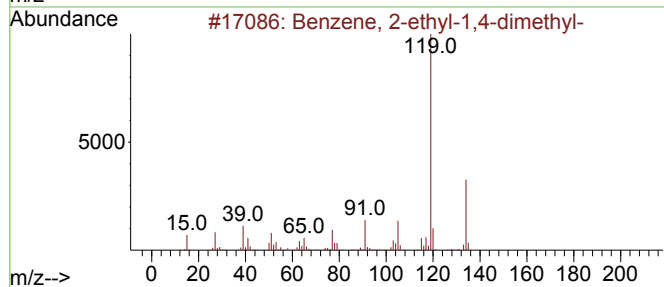
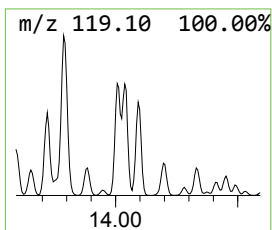
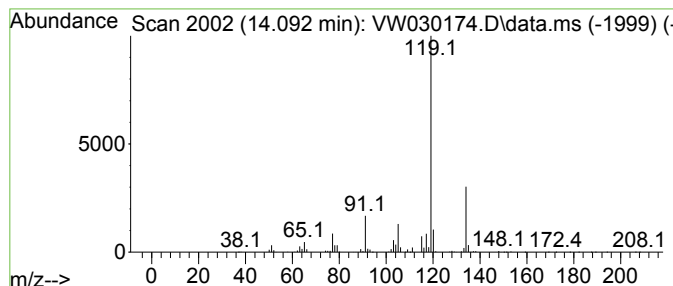
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 54 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.092	49.39 ug/L	11017100	1,4-Dichlorobenzene-d4	13.550	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
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	95
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 : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

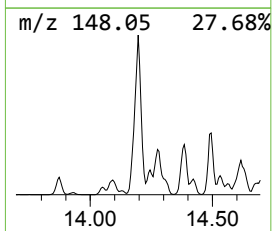
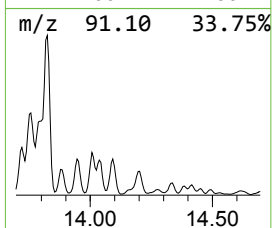
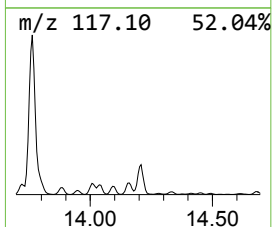
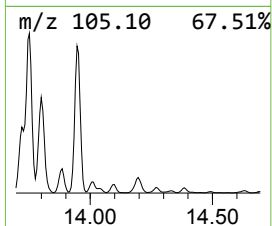
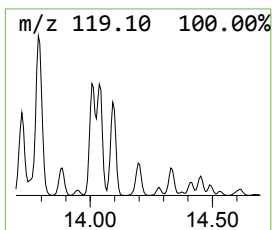
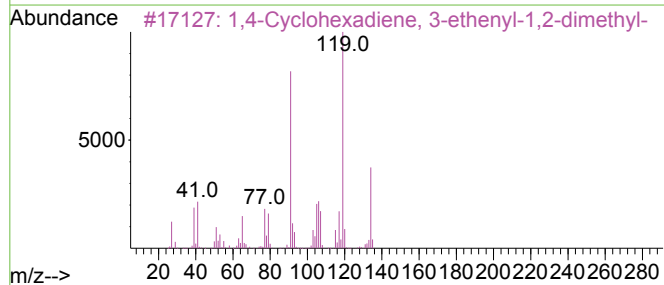
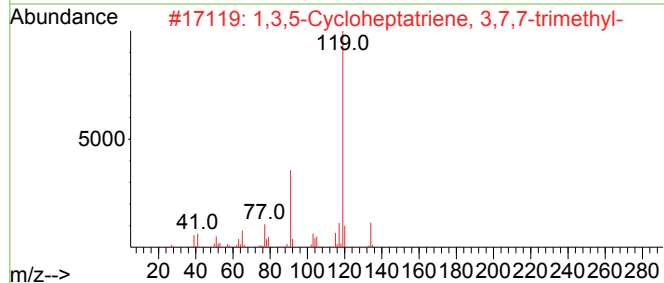
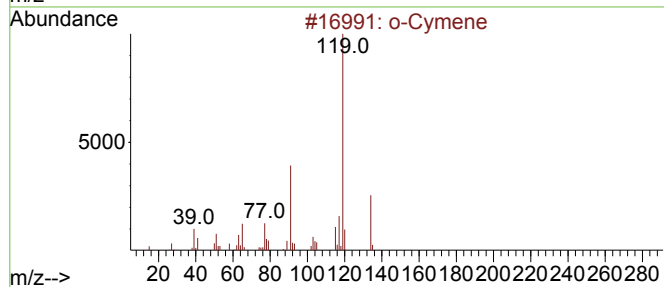
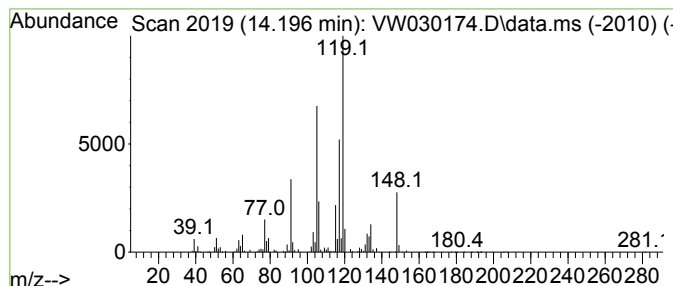
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Quant Title : SFAM01.0

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

Peak Number 55 o-Cymene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.196	27.02 ug/L	6026240	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	55
2			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	55
3			1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	52
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
5			4'-Methylpropiofenone	148	C10H12O	005337-93-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

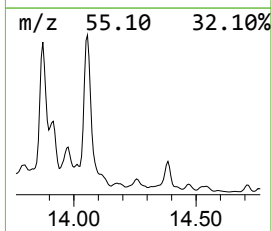
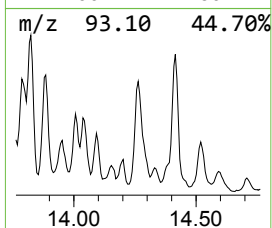
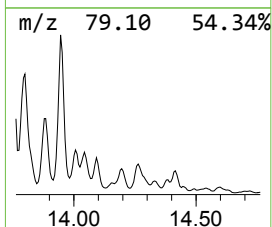
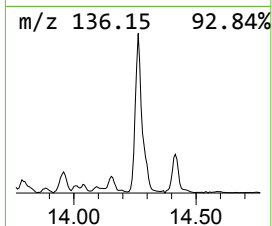
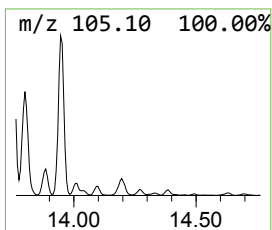
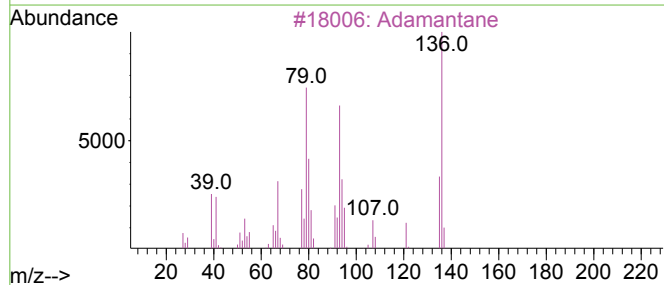
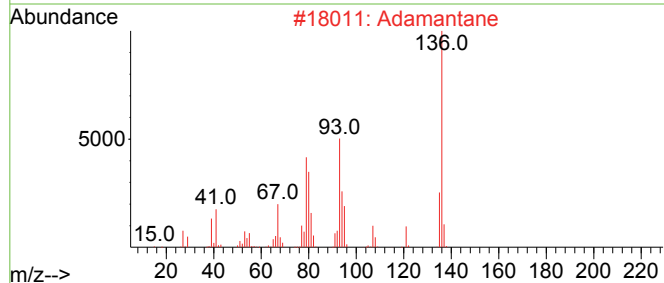
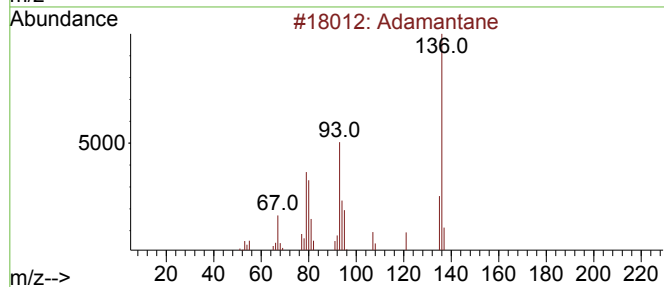
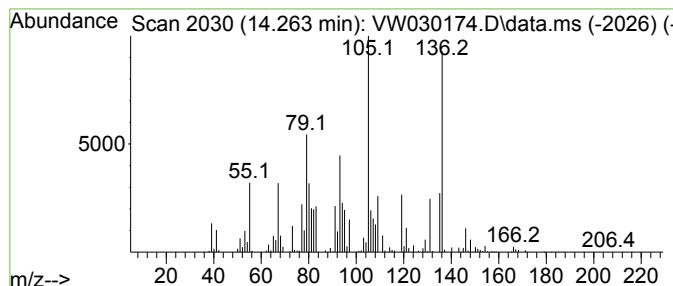
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Quant Title : SFAM01.0

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

Peak Number 56 Adamantane Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	10.21 ug/L	2276350	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	93
2	Adamantane			136	C10H16	000281-23-2	86
3	Adamantane			136	C10H16	000281-23-2	83
4	Adamantane			136	C10H16	000281-23-2	70
5	Adamantane			136	C10H16	000281-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

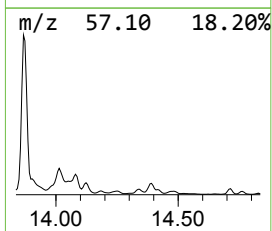
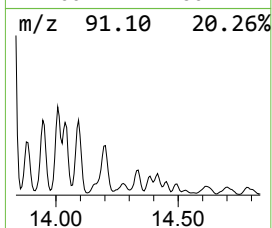
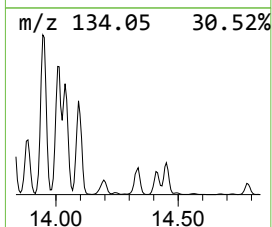
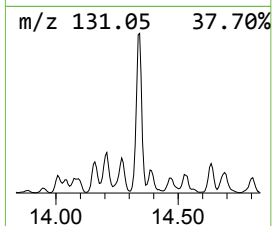
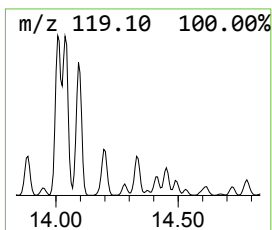
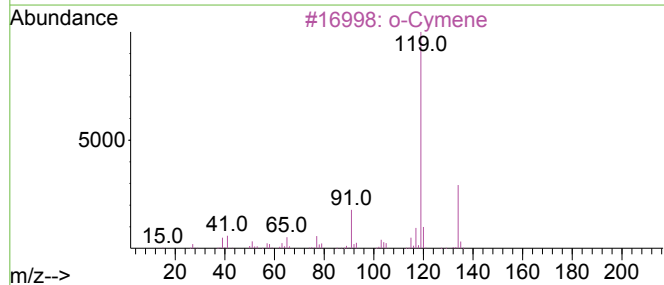
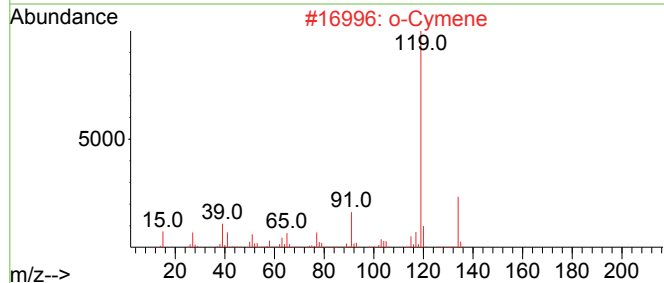
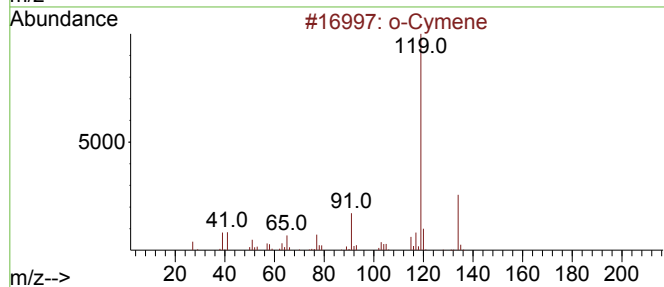
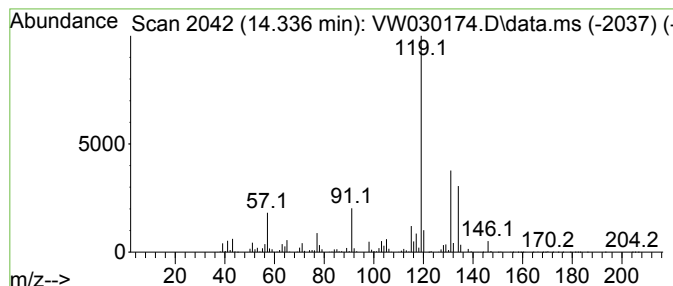
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Quant Title : SFAM01.0

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

Peak Number 57 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	12.15 ug/L	2710140	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			o-Cymene	134	C10H14	000527-84-4	93
3			o-Cymene	134	C10H14	000527-84-4	93
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	89
5			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

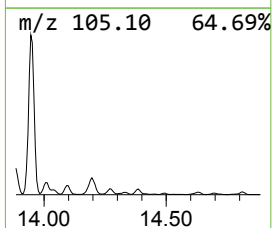
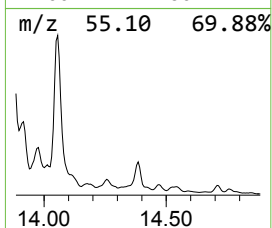
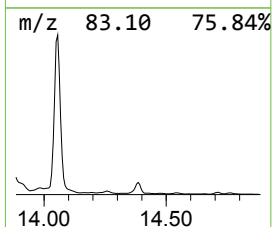
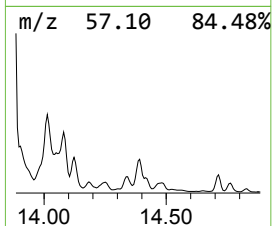
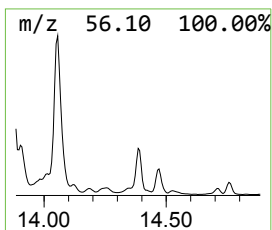
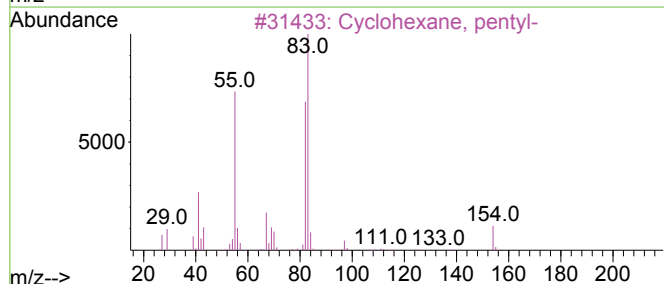
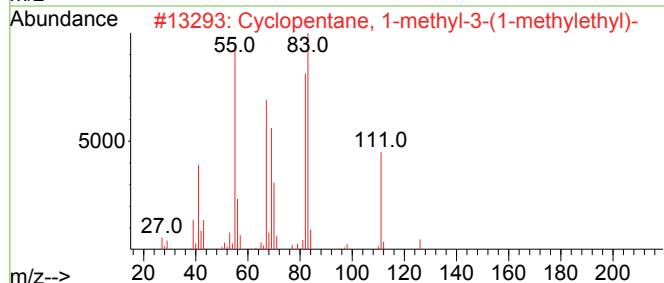
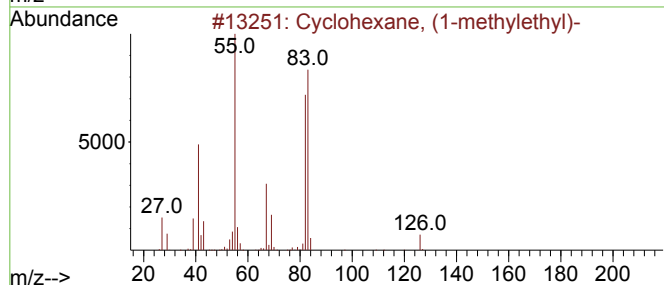
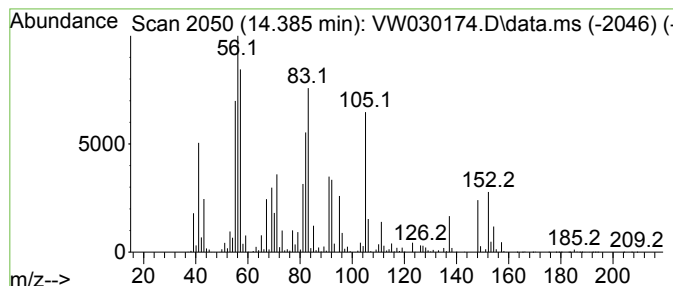
Instrument :
MSVOA_W
ClientSampleId :
DDCD5

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 58 (DEL) Alkane: Cyclic14.385 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.385	15.63 ug/L	3486820	1,4-Dichlorobenzene-d4			13.550
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	27
2	Cyclopentane, 1-methyl-3-(1-meth...		126	C9H18	053771-88-3	27
3	Cyclohexane, pentyl-		154	C11H22	004292-92-6	27
4	Cyclohexane, pentyl-		154	C11H22	004292-92-6	27
5	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

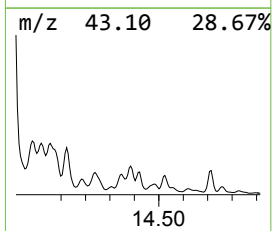
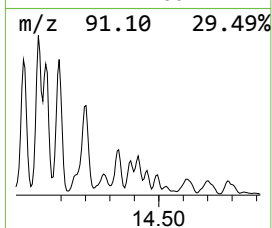
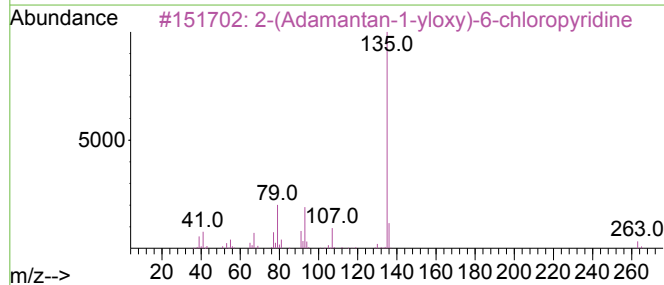
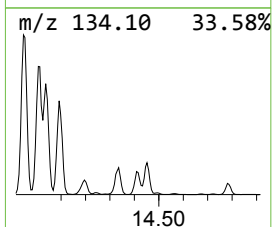
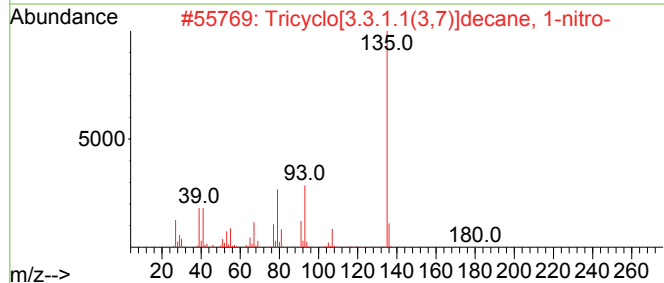
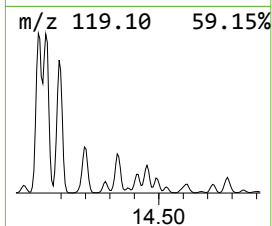
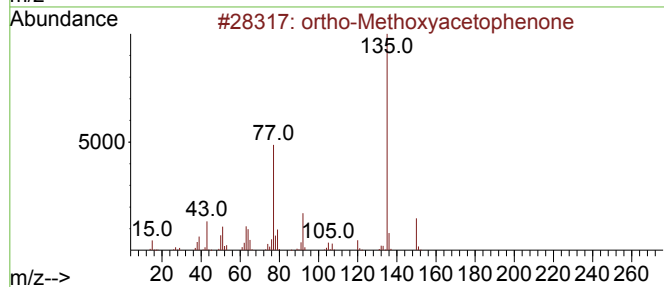
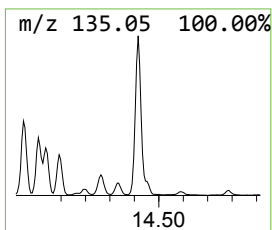
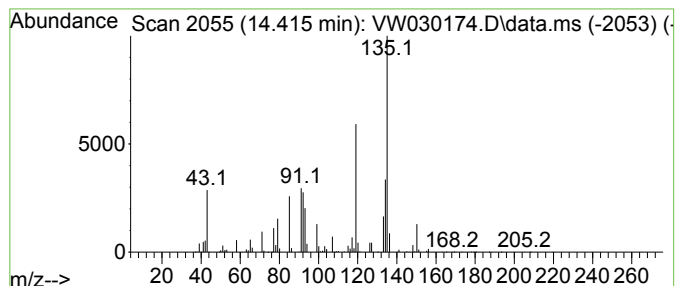
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Quant Title : SFAM01.0

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

Peak Number 59 unknown-02 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	6.09 ug/L	1359500	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			ortho-Methoxyacetophenone	150	C9H10O2	000579-74-8	35
2			Tricyclo[3.3.1.1(3,7)]decane, 1-...	181	C10H15NO2	007575-82-8	35
3			2-(Adamantan-1-yloxy)-6-chloropy...	263	C15H18ClNO	1000411-33-6	35
4			1-Adamantanemethanol	166	C11H18O	000770-71-8	35
5			(2-Oxazolidinylidene)malononitrile	135	C6H5N3O	002733-51-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

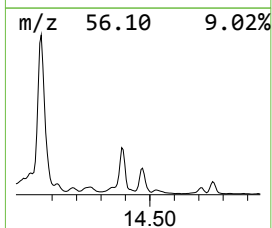
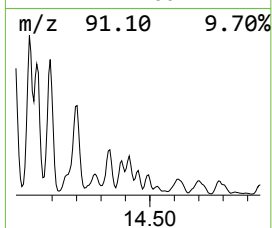
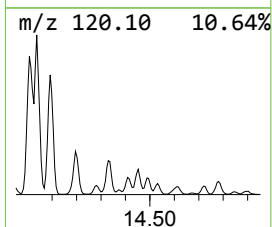
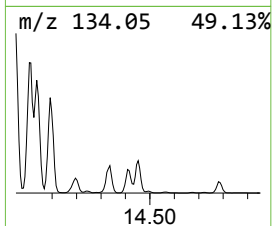
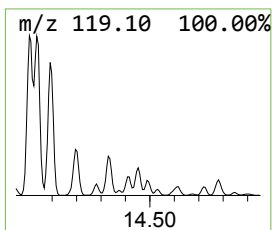
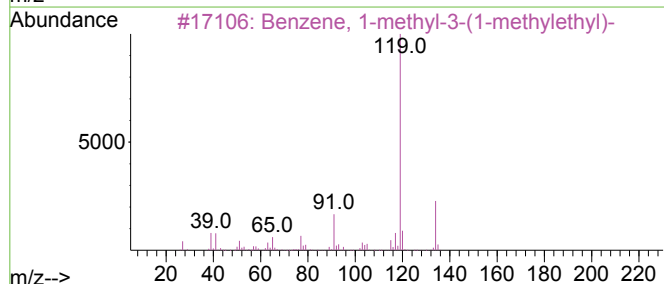
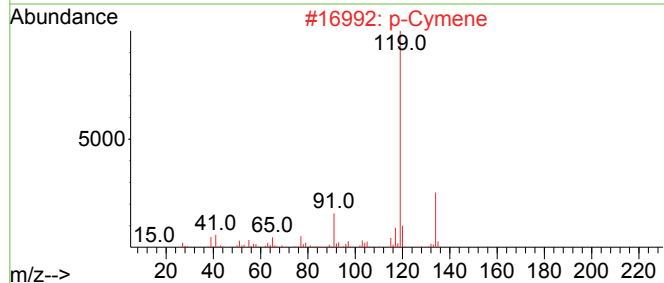
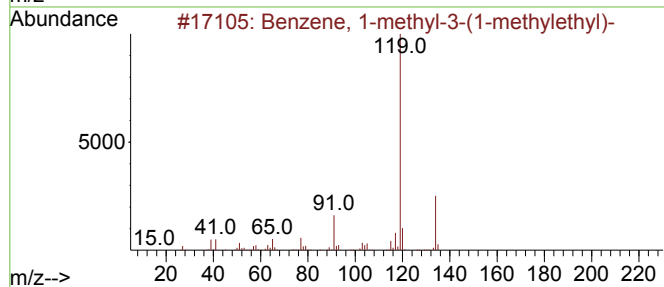
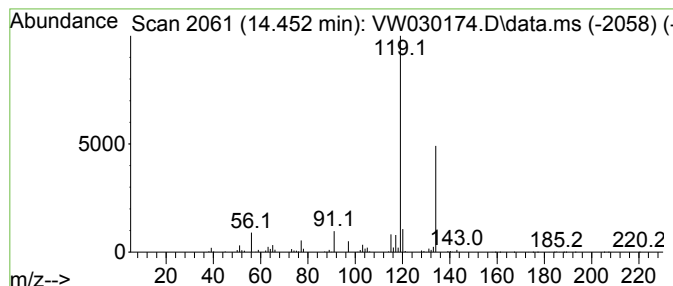
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Quant Title : SFAM01.0

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

Peak Number 60 Benzene, 1-methyl-3-(1-meth... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	2.56 ug/L	570353	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2			p-Cymene	134	C10H14	000099-87-6	90
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4			o-Cymene	134	C10H14	000527-84-4	87
5			p-Cymene	134	C10H14	000099-87-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

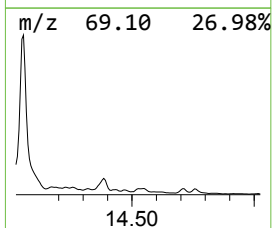
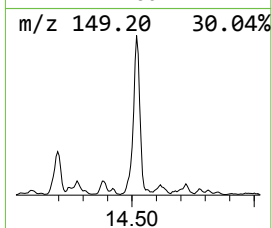
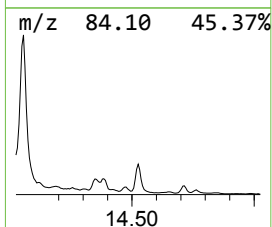
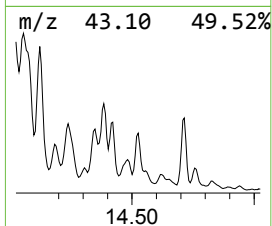
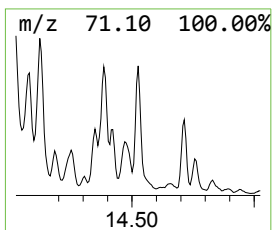
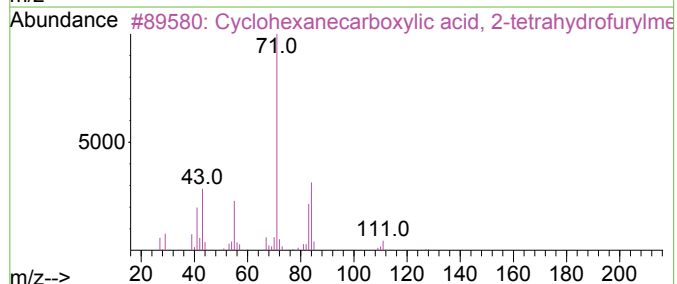
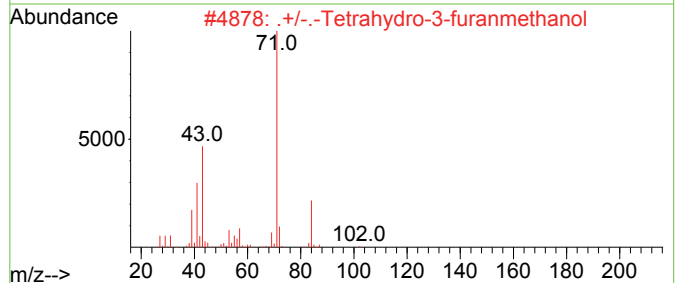
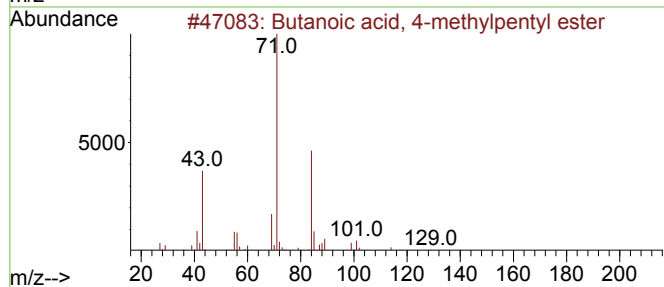
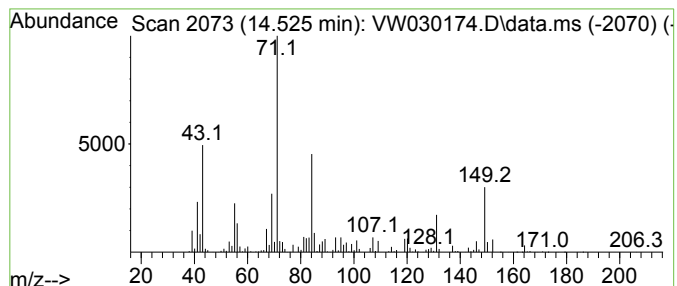
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Quant Title : SFAM01.0

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

Peak Number 62 Butanoic acid, 4-methylpent... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.525	8.40 ug/L	1872970	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 4-methylpentyl ester	172	C10H20O2	083471-19-6	58
2			.+/-.-Tetrahydro-3-furanmethanol	102	C5H10O2	015833-61-1	50
3			Cyclohexanecarboxylic acid, 2-te...	212	C12H20O3	1000279-85-7	50
4			Propanoic acid, 2-methyl-, 2-met...	172	C10H20O2	084254-82-0	50
5			Butanamide, N-tetrahydrofurfuryl-	171	C9H17NO2	1010306-91-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

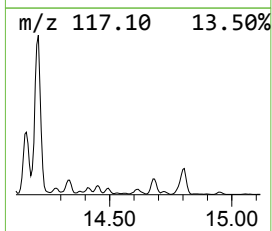
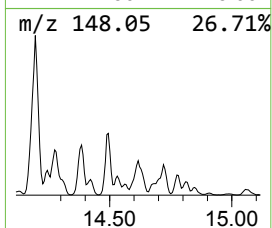
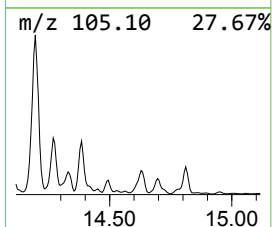
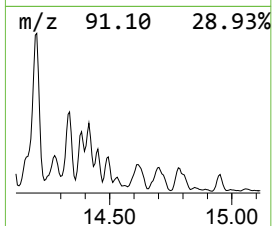
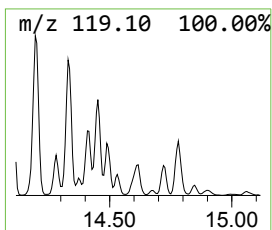
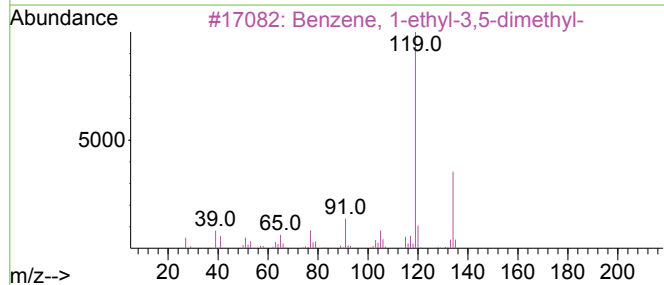
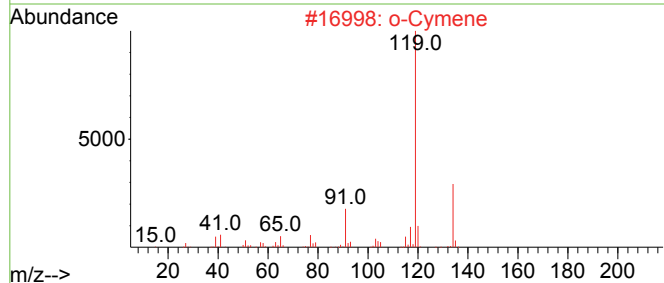
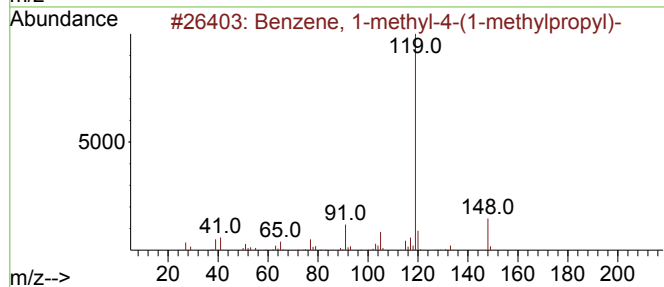
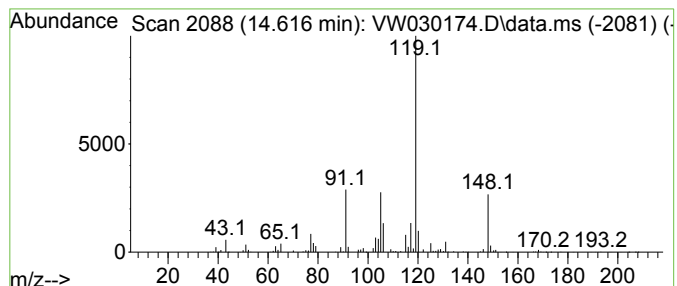
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Quant Title : SFAM01.0

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

Peak Number 63 Benzene, 1-methyl-4-(1-meth... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.617	5.82 ug/L	1297410	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2			o-Cymene	134	C10H14	000527-84-4	64
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
4			2,5-Dimethylphenylacetic acid	164	C10H12O2	1000342-65-5	53
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

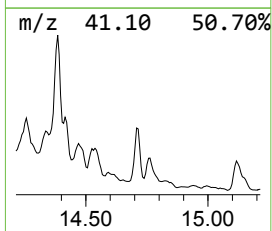
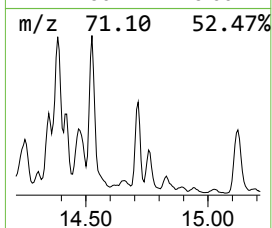
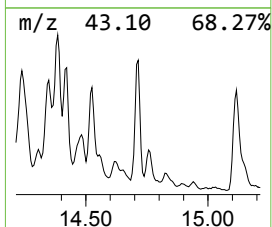
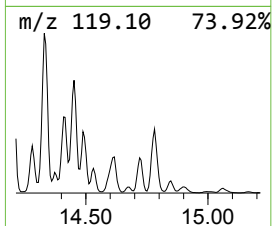
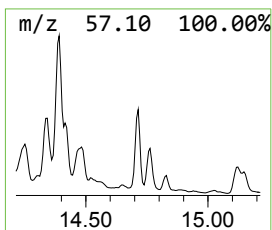
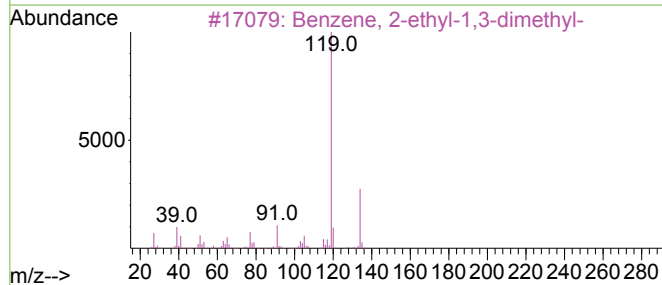
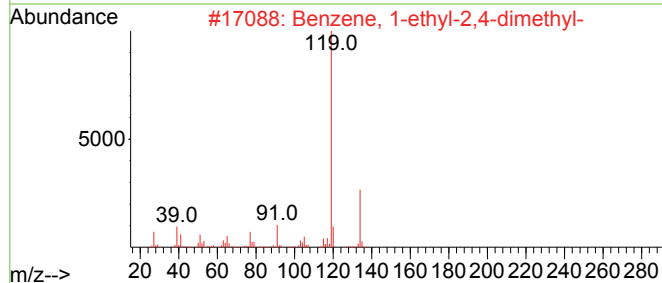
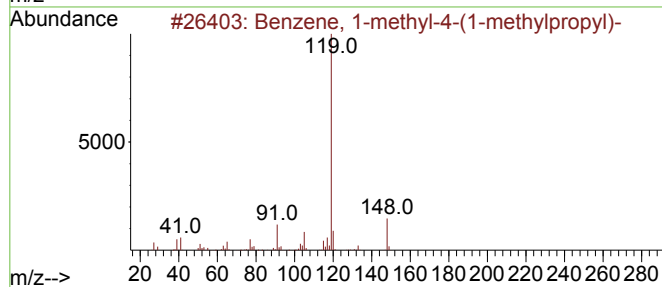
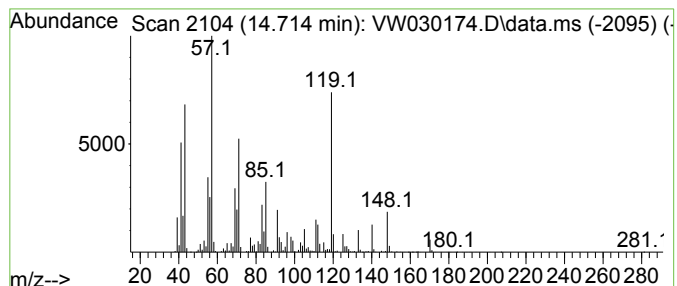
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Quant Title : SFAM01.0

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

Peak Number 64 unknown-03 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.714	8.66 ug/L	1931940	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	42
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
5			Dodecane	170	C12H26	000112-40-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

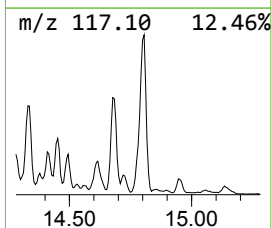
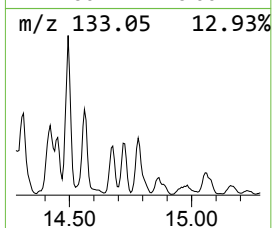
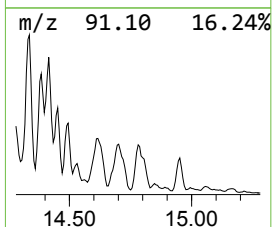
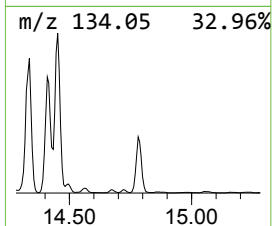
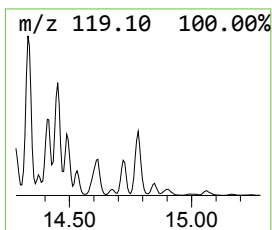
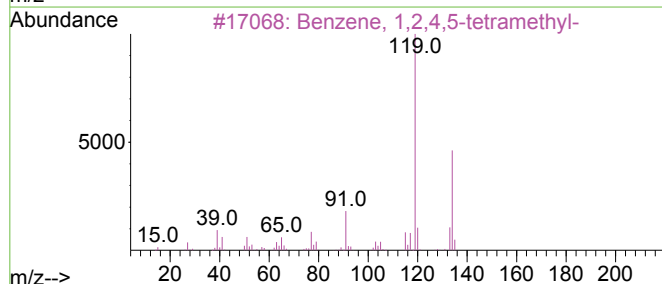
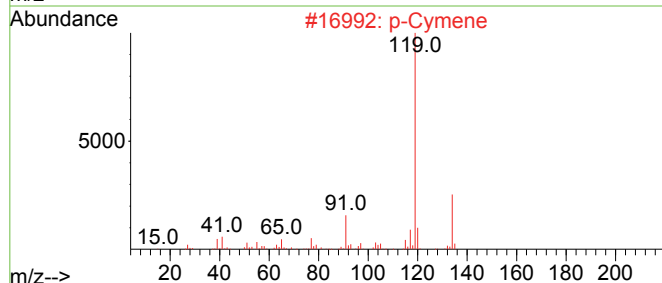
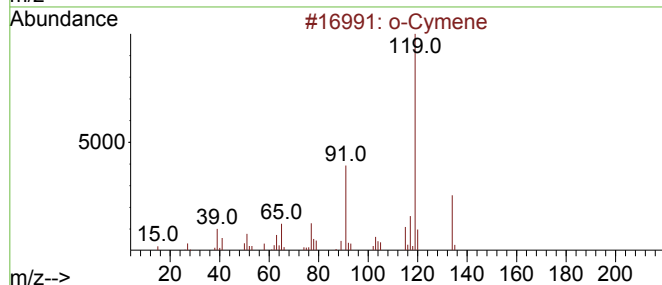
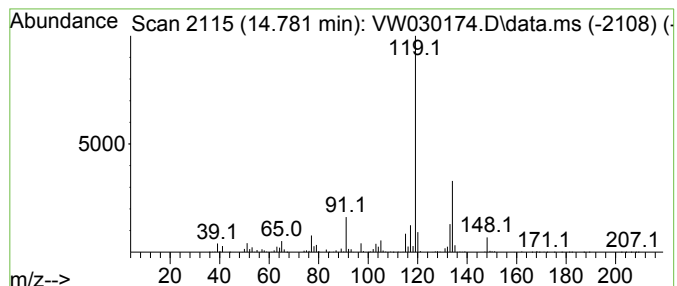
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Quant Title : SFAM01.0

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

Peak Number 65 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.781	9.20 ug/L	2051170	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			p-Cymene	134	C10H14	000099-87-6	93
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5			o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

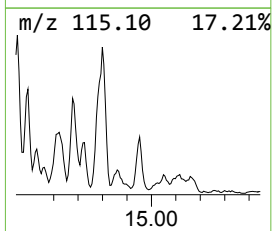
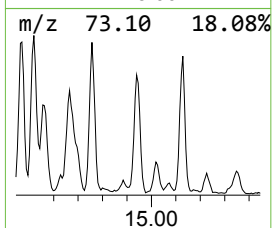
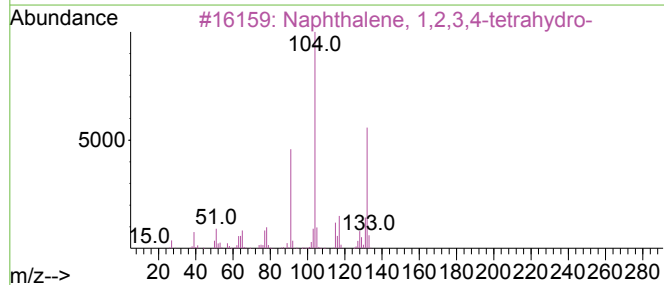
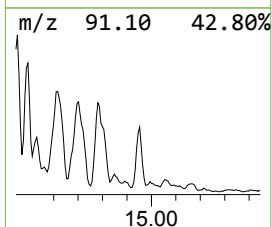
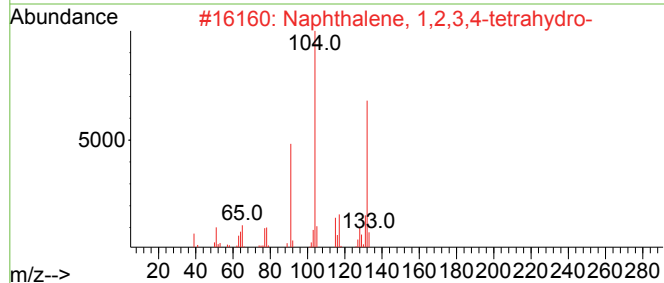
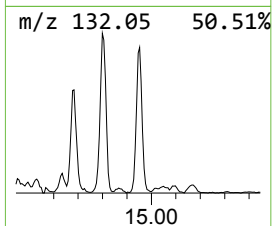
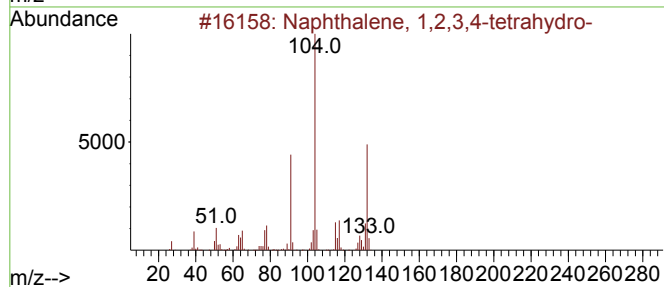
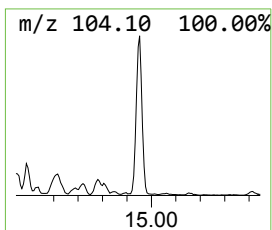
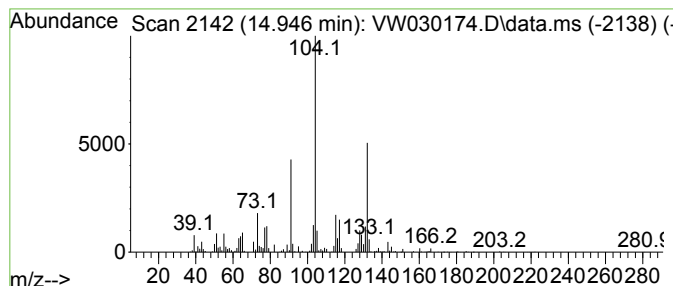
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Quant Title : SFAM01.0

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

Peak Number 66 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	1.91 ug/L	427008	1,4-Dichlorobenzene-d4	13.550

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030174.D
Acq On : 20 Sep 2024 14:26
Operator : SY/MD
Sample : P4024-01
Misc : 5.92g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

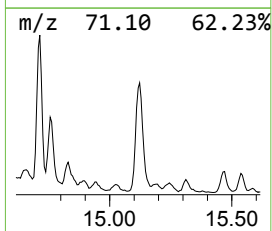
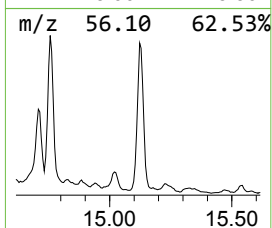
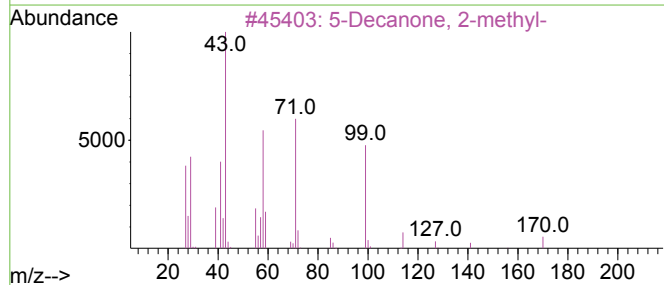
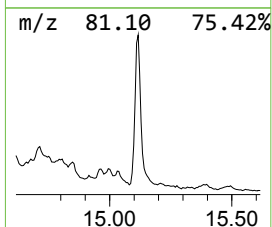
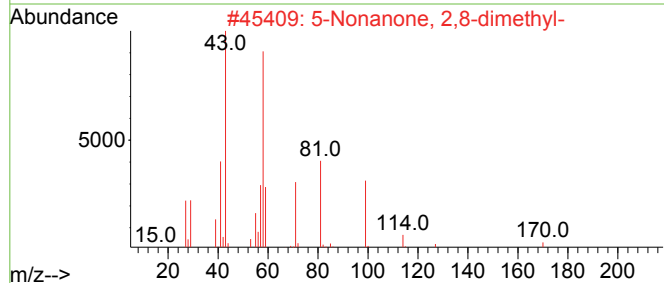
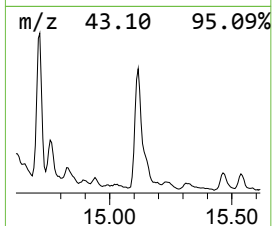
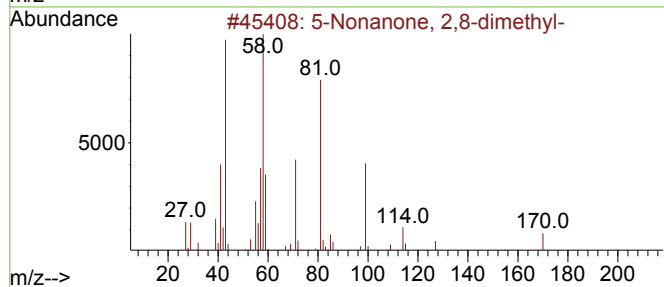
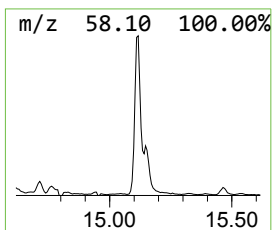
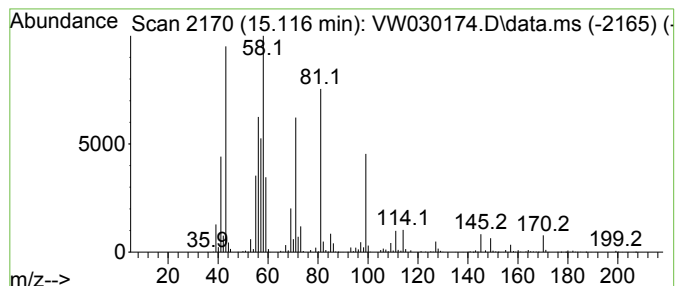
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 67 5-Nonanone, 2,8-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	7.45 ug/L	1661770	1,4-Dichlorobenzene-d4	13.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	92
2			5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	43
3			5-Decanone, 2-methyl-	170	C11H22O	054410-89-8	30
4			2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	27
5			2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
 Data File : VW030174.D
 Acq On : 20 Sep 2024 14:26
 Operator : SY/MD
 Sample : P4024-01
 Misc : 5.92g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DDCD5

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
(DEL) Alkane: S...	3.033	5.2	ug/L	268974	1	8.843	1288580	25.0
(DEL) Alkane: S...	3.399	6.0	ug/L	307445	1	8.843	1288580	25.0
(DEL) Alkane: S...	5.447	32.3	ug/L	1662650	1	8.843	1288580	25.0
Propanal, 2-met...	5.789	187.0	ug/L	9637370	1	8.843	1288580	25.0
2-Ethyl-oxetane	5.947	81.4	ug/L	4197250	1	8.843	1288580	25.0
(DEL) Alkane: S...	6.728	10.1	ug/L	522113	1	8.843	1288580	25.0
Butanal	6.904	622.3	ug/L	32073700	1	8.843	1288580	25.0
(DEL) Alkane: C...	6.990	55.8	ug/L	2876000	1	8.843	1288580	25.0
1,3-Pentadiene,...	7.417	6.2	ug/L	319982	1	8.843	1288580	25.0
4-Methyl-2-pentyne	7.514	5.9	ug/L	304777	1	8.843	1288580	25.0
(DEL) Alkane: S...	7.709	13.6	ug/L	702879	1	8.843	1288580	25.0
(DEL) Alkane: S...	8.038	89.7	ug/L	4625420	1	8.843	1288580	25.0
(DEL) Alkane: S...	8.160	173.0	ug/L	8916900	1	8.843	1288580	25.0
(DEL) Alkane: S...	8.490	346.3	ug/L	17847700	1	8.843	1288580	25.0
(DEL) Alkane: S...	8.697	267.4	ug/L	13784700	1	8.843	1288580	25.0
1-Butanol	9.032	12.9	ug/L	665357	1	8.843	1288580	25.0
(DEL) Alkane: S...	9.154	13.7	ug/L	707005	1	8.843	1288580	25.0
(DEL) Alkane: S...	9.477	11.0	ug/L	567018	1	8.843	1288580	25.0
(DEL) Alkane: C...	9.520	25.0	ug/L	1290450	1	8.843	1288580	25.0
(DEL) Alkane: C...	9.611	37.9	ug/L	1954670	1	8.843	1288580	25.0
(DEL) Alkane: S...	9.770	167.0	ug/L	8607110	1	8.843	1288580	25.0
(DEL) Alkane: S...	9.904	219.9	ug/L	11336300	1	8.843	1288580	25.0
(DEL) Alkane: S...	9.965	361.5	ug/L	18634100	1	8.843	1288580	25.0
(DEL) Alkane: S...	10.105	312.3	ug/L	16096100	1	8.843	1288580	25.0
(DEL) Alkane: S...	10.264	1.9	ug/L	2738840	2	11.629	35941700	25.0
(DEL) Alkane: S...	10.508	24.9	ug/L	35768100	2	11.629	35941700	25.0
(DEL) Alkane: C...	10.678	3.7	ug/L	5341530	2	11.629	35941700	25.0
(DEL) Alkane: C...	10.776	4.1	ug/L	5890490	2	11.629	35941700	25.0
(DEL) Alkane: S...	11.056	6.8	ug/L	9756780	2	11.629	35941700	25.0
(DEL) Alkane: C...	11.123	4.6	ug/L	6586380	2	11.629	35941700	25.0
(DEL) Alkane: C...	11.184	10.7	ug/L	15314400	2	11.629	35941700	25.0
(DEL) Alkane: C...	11.245	14.5	ug/L	20877400	2	11.629	35941700	25.0
(DEL) Alkane: S...	11.349	14.4	ug/L	20712400	2	11.629	35941700	25.0
(DEL) Alkane: S...	11.428	57.1	ug/L	82131100	2	11.629	35941700	25.0
(DEL) Alkane: S...	11.526	38.1	ug/L	54757600	2	11.629	35941700	25.0
(DEL) Alkane: S...	12.001	2.8	ug/L	3988790	2	11.629	35941700	25.0
(DEL) Alkane: S...	12.080	15.3	ug/L	21998600	2	11.629	35941700	25.0
(DEL) Alkane: S...	12.275	35.6	ug/L	51225200	2	11.629	35941700	25.0
(DEL) Alkane: S...	12.385	82.7	ug/L	118926000	2	11.629	35941700	25.0
Benzene, propyl-	12.812	256.3	ug/L	57160200	3	13.550	5576410	25.0
2,3-Heptadien-5...	12.885	525.1	ug/L	117136000	3	13.550	5576410	25.0
4-Heptanone, 2,...	13.044	78.1	ug/L	17414700	3	13.550	5576410	25.0
Benzene, 1-ethy...	13.117	411.0	ug/L	91671400	3	13.550	5576410	25.0
(DEL) Alkane: S...	13.178	118.5	ug/L	26434900	3	13.550	5576410	25.0
(DEL) Alkane: S...	13.355	42.1	ug/L	9387510	3	13.550	5576410	25.0
p-Cymene	13.452	210.6	ug/L	46981200	3	13.550	5576410	25.0
unknown-01	13.647	89.7	ug/L	20004600	3	13.550	5576410	25.0
Benzene, 1,3-di...	13.720	44.0	ug/L	9803740	3	13.550	5576410	25.0
Benzene, 1-prop...	13.751	95.4	ug/L	21286200	3	13.550	5576410	25.0
Benzene, 1,4-di...	13.794	110.7	ug/L	24690200	3	13.550	5576410	25.0
Benzene, 1-meth...	13.946	51.0	ug/L	11386500	3	13.550	5576410	25.0
Benzene, 2-ethy...	14.007	39.9	ug/L	8904740	3	13.550	5576410	25.0

Cyclohexanone, ...	14.050	73.7	ug/L	16442800	3	13.550	5576410	25.0
Benzene, 4-ethy...	14.092	49.4	ug/L	11017100	3	13.550	5576410	25.0
o-Cymene	14.196	27.0	ug/L	6026240	3	13.550	5576410	25.0
Adamantane	14.263	10.2	ug/L	2276350	3	13.550	5576410	25.0
Benzene, 1-ethy...	14.336	12.2	ug/L	2710140	3	13.550	5576410	25.0
(DEL) Alkane: C...	14.385	15.6	ug/L	3486820	3	13.550	5576410	25.0
unknown-02	14.415	6.1	ug/L	1359500	3	13.550	5576410	25.0
Benzene, 1-meth...	14.452	2.6	ug/L	570353	3	13.550	5576410	25.0
Butanoic acid, ...	14.525	8.4	ug/L	1872970	3	13.550	5576410	25.0
Benzene, 1-meth...	14.617	5.8	ug/L	1297410	3	13.550	5576410	25.0
unknown-03	14.714	8.7	ug/L	1931940	3	13.550	5576410	25.0
Benzene, 1,2,4,...	14.781	9.2	ug/L	2051170	3	13.550	5576410	25.0
Naphthalene, 1,...	14.946	1.9	ug/L	427008	3	13.550	5576410	25.0
5-Nonanone, 2,8...	15.116	7.5	ug/L	1661770	3	13.550	5576410	25.0

Instrument :

MSVOA_W

ClientSampleId :

DDCD5