

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
 Data File : VW027004.D
 Acq On : 07 Sep 2023 15:00
 Operator : SY/MD
 Sample : 04330-02RE
 Misc : 5.28g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZG3RE

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\SFAMWLM090523SMA.M
 Title : SFAM01.0

Signal : TIC: VW027004.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	72	78	90	rVB2	96913	306504	4.46%	0.301%
2	2.893	158	165	179	rVB	108072	323353	4.71%	0.317%
3	4.021	338	350	361	rBV	184096	708103	10.30%	0.694%
4	4.118	361	366	381	rVV	68186	212831	3.10%	0.209%
5	4.393	399	411	425	rBV	103128	362701	5.28%	0.356%
6	4.954	484	503	524	rBV5	120039	606688	8.83%	0.595%
7	5.435	567	582	594	rBV2	85737	309493	4.50%	0.303%
8	5.941	653	665	679	rBV2	80377	248097	3.61%	0.243%
9	6.984	826	836	845	rVV	145551	451321	6.57%	0.443%
10	7.081	845	852	858	rVV2	105048	302865	4.41%	0.297%
11	7.148	858	863	878	rVV4	51052	195083	2.84%	0.191%
12	7.648	933	945	962	rBV2	403945	1253823	18.25%	1.230%
13	7.923	982	990	1001	rVV3	164393	516958	7.52%	0.507%
14	8.032	1001	1008	1020	rVB2	90832	249223	3.63%	0.244%
15	8.154	1020	1028	1038	rBV	256790	591681	8.61%	0.580%
16	8.276	1038	1048	1065	rVB3	891955	2848377	41.45%	2.793%
17	8.435	1065	1074	1076	rBV3	73893	166281	2.42%	0.163%
18	8.484	1077	1082	1091	rVV2	111754	416246	6.06%	0.408%
19	8.575	1093	1097	1108	rVB6	61697	159827	2.33%	0.157%
20	8.697	1108	1117	1131	rVB	113007	285345	4.15%	0.280%
21	8.843	1131	1141	1154	rBV	1296521	2638124	38.39%	2.587%
22	9.075	1171	1179	1197	rBV2	202390	467101	6.80%	0.458%
23	9.276	1204	1212	1218	rBV	621747	1353672	19.70%	1.327%
24	9.331	1218	1221	1227	rVV2	153231	302830	4.41%	0.297%
25	9.758	1284	1291	1302	rVB3	74613	156821	2.28%	0.154%
26	9.892	1309	1313	1319	rVV3	89196	166375	2.42%	0.163%
27	10.038	1331	1337	1342	rVV	265509	456041	6.64%	0.447%
28	10.093	1342	1346	1358	rVB	113373	270115	3.93%	0.265%
29	10.325	1376	1384	1389	rBV	1000828	1806416	26.29%	1.771%
30	10.386	1389	1394	1402	rVB	1048882	1858132	27.04%	1.822%
31	10.501	1407	1413	1420	rVB	131529	255777	3.72%	0.251%
32	10.581	1420	1426	1430	rBV	175247	298111	4.34%	0.292%
33	10.922	1476	1482	1490	rBV	278226	520551	7.58%	0.510%
34	11.410	1554	1562	1573	rVB4	137375	427727	6.22%	0.419%
35	11.513	1573	1579	1584	rBV	130229	218254	3.18%	0.214%
36	11.629	1591	1598	1607	rBV	1257864	2108296	30.68%	2.067%

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Integrator: RTE

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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\SFAMWLM090523SMA.M
 Title : SFAM01.0

37	11.727	1607	1614	1623	rBV	292400	564330	8.21%	0.553%
38	11.837	1623	1632	1642	rBV	1434848	2811884	40.92%	2.757%
39	12.166	1673	1686	1693	rBV	1291113	2541442	36.99%	2.492%
40	12.251	1693	1700	1704	rVB	158260	281565	4.10%	0.276%
41	12.336	1704	1714	1715	rBV5	174116	325525	4.74%	0.319%
42	12.464	1729	1735	1739	rBV3	207474	412302	6.00%	0.404%
43	12.538	1744	1747	1749	rVV2	175293	256377	3.73%	0.251%
44	12.562	1749	1751	1756	rVB	189410	242293	3.53%	0.238%
45	12.647	1761	1765	1768	rVV	161449	196459	2.86%	0.193%
46	12.690	1768	1772	1778	rVB	330196	528720	7.69%	0.518%
47	12.788	1783	1788	1794	rVB3	158143	401113	5.84%	0.393%
48	12.867	1794	1801	1803	rBV	954175	1610797	23.44%	1.580%
49	12.897	1803	1806	1807	rVV2	623669	845930	12.31%	0.830%
50	12.928	1807	1811	1818	rVV2	1729415	3550561	51.67%	3.482%
51	12.989	1818	1821	1825	rVB2	155411	217274	3.16%	0.213%
52	13.099	1831	1839	1845	rBV	606550	1471036	21.41%	1.443%
53	13.159	1845	1849	1856	rVB2	482357	748782	10.90%	0.734%
54	13.245	1857	1863	1868	rBV	1439581	2382105	34.67%	2.336%
55	13.342	1875	1879	1881	rBV3	119989	158215	2.30%	0.155%
56	13.379	1882	1885	1888	rVV2	119358	182998	2.66%	0.179%
57	13.440	1889	1895	1899	rVV4	559764	1144473	16.66%	1.122%
58	13.483	1899	1902	1905	rVV2	475100	703827	10.24%	0.690%
59	13.513	1905	1907	1910	rVV	273612	366801	5.34%	0.360%
60	13.550	1910	1913	1916	rVV2	935302	1514101	22.03%	1.485%
61	13.580	1916	1918	1922	rVV	898988	1262354	18.37%	1.238%
62	13.623	1922	1925	1932	rVB	397879	611761	8.90%	0.600%
63	13.714	1933	1940	1941	rBV5	197876	379866	5.53%	0.373%
64	13.751	1941	1946	1949	rVV3	740073	1302398	18.95%	1.277%
65	13.787	1949	1952	1959	rVV4	634236	1100727	16.02%	1.079%
66	13.867	1959	1965	1970	rVV2	3000454	4737441	68.94%	4.646%
67	13.915	1970	1973	1975	rVV	249674	373298	5.43%	0.366%
68	13.946	1975	1978	1981	rVV	312524	534491	7.78%	0.524%
69	14.031	1985	1992	1997	rVV3	629684	1767535	25.72%	1.733%
70	14.092	1997	2002	2006	rVV	806359	1356923	19.75%	1.331%
71	14.129	2006	2008	2014	rVB2	316377	412833	6.01%	0.405%
72	14.196	2014	2019	2024	rBV3	648212	1139591	16.58%	1.118%
73	14.257	2025	2029	2035	rVB5	261602	487370	7.09%	0.478%
74	14.342	2035	2043	2046	rBV3	643764	1470050	21.39%	1.442%
75	14.385	2046	2050	2053	rVV3	1072355	1830131	26.63%	1.795%
76	14.421	2053	2056	2059	rVV3	841210	1298585	18.90%	1.273%

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 Title : SFAM01.0

77	14.452	2059	2061	2064	rVV	593472	649213	9.45%	0.637%
78	14.495	2064	2068	2071	rVV3	684118	875377	12.74%	0.858%
79	14.543	2071	2076	2082	rVB6	399728	697042	10.14%	0.684%
80	14.635	2088	2091	2095	rVB2	239826	309043	4.50%	0.303%
81	14.720	2095	2105	2110	rVB3	2654588	4464553	64.97%	4.378%
82	14.793	2111	2117	2121	rBV4	1155350	2809742	40.89%	2.755%
83	14.830	2121	2123	2131	rVB3	1105612	2050329	29.84%	2.011%
84	14.952	2139	2143	2149	rVB	487893	842461	12.26%	0.826%
85	15.055	2156	2160	2165	rBV5	332978	552129	8.04%	0.541%
86	15.159	2172	2177	2186	rBV6	379810	1135617	16.53%	1.114%
87	15.238	2187	2190	2198	rVB6	582563	1278830	18.61%	1.254%
88	15.318	2198	2203	2205	rBV	1095579	1692274	24.63%	1.659%
89	15.360	2205	2210	2216	rVB	4068361	6871501	100.00%	6.738%
90	15.458	2223	2226	2230	rBV4	270224	417935	6.08%	0.410%
91	15.543	2236	2240	2249	rVB	1321578	2415941	35.16%	2.369%
92	15.647	2250	2257	2264	rVV7	341028	1020248	14.85%	1.000%
93	15.720	2265	2269	2277	rVB4	325235	658269	9.58%	0.646%
94	15.854	2288	2291	2297	rVB2	340927	544606	7.93%	0.534%
95	16.165	2333	2342	2346	rBV5	229819	690905	10.05%	0.678%
96	16.275	2356	2360	2368	rVB	339377	603232	8.78%	0.592%
97	16.366	2370	2375	2380	rVV	203339	437767	6.37%	0.429%
98	16.433	2380	2386	2391	rVV	723186	1527746	22.23%	1.498%
99	16.482	2391	2394	2399	rVB2	343775	537581	7.82%	0.527%
100	16.634	2412	2419	2433	rVB	538935	1551010	22.57%	1.521%

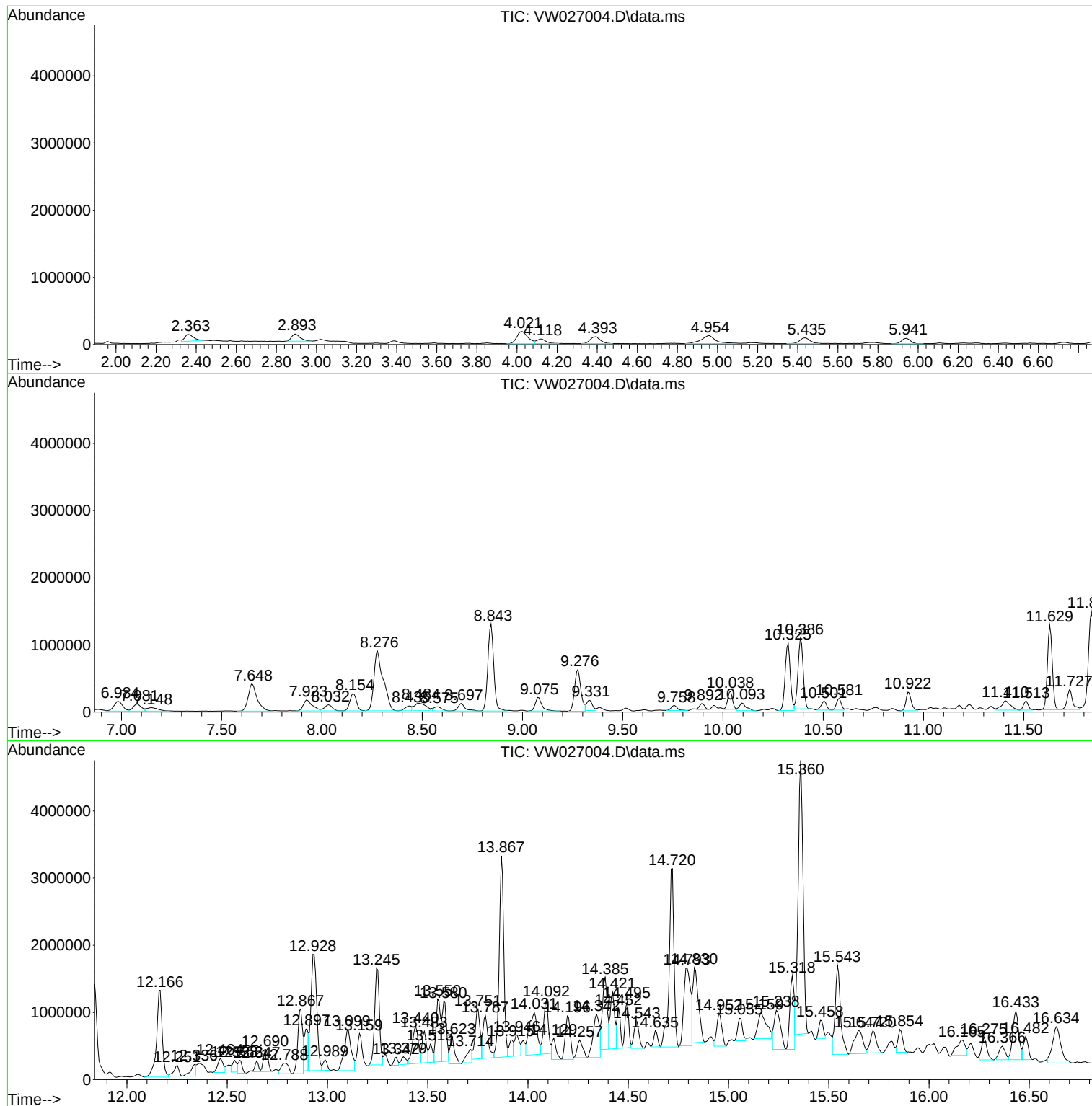
Sum of corrected areas: 101976758

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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



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Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

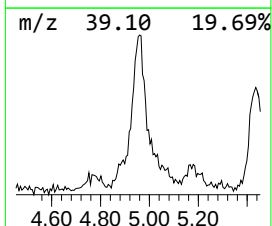
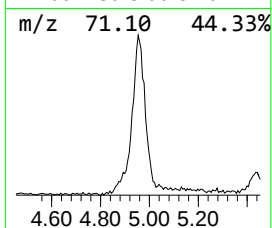
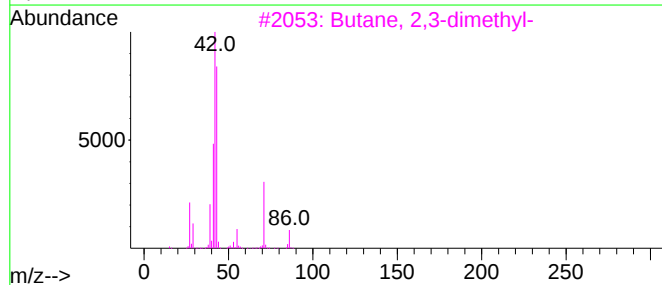
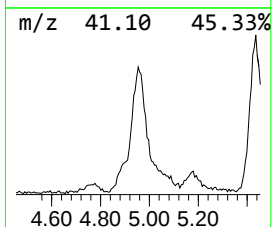
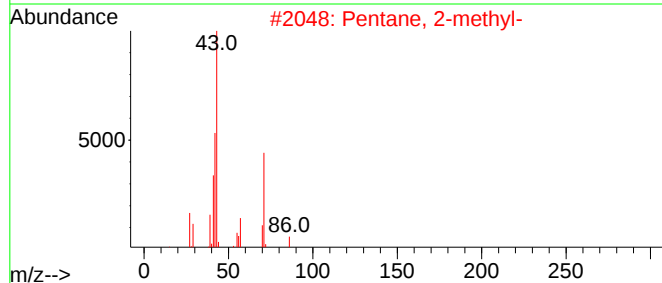
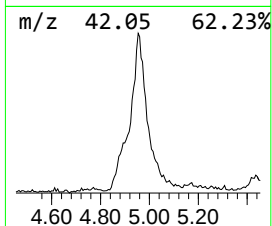
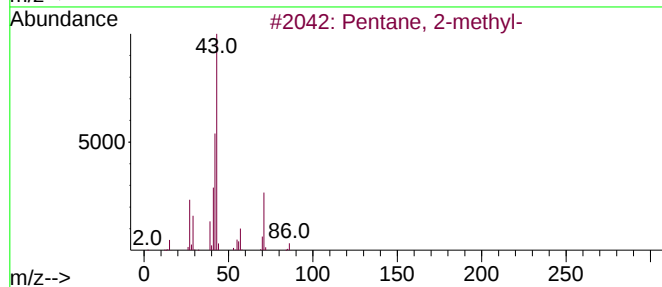
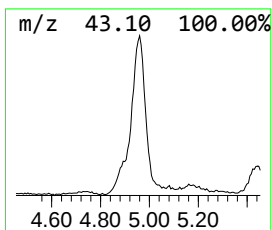
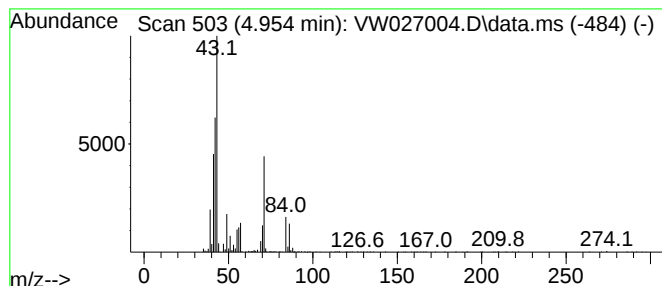
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.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 44

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.954	5.75 ug/L	606688	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	47
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	45



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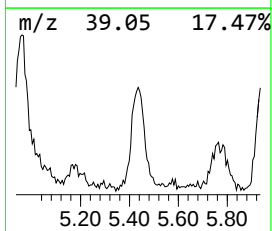
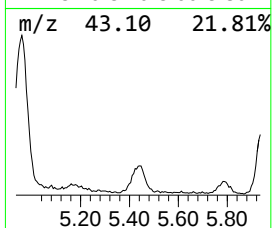
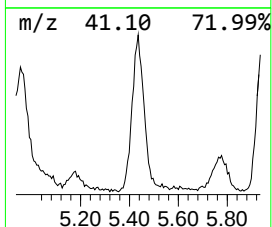
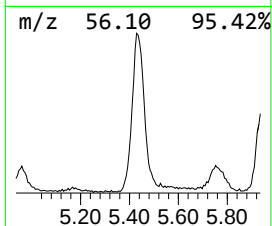
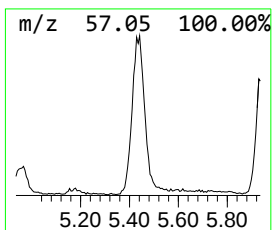
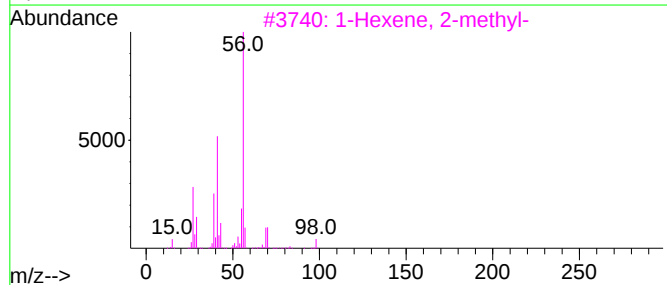
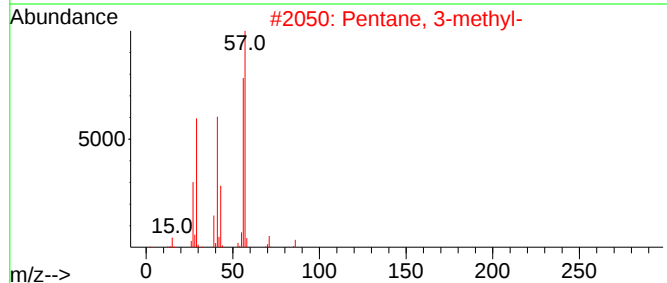
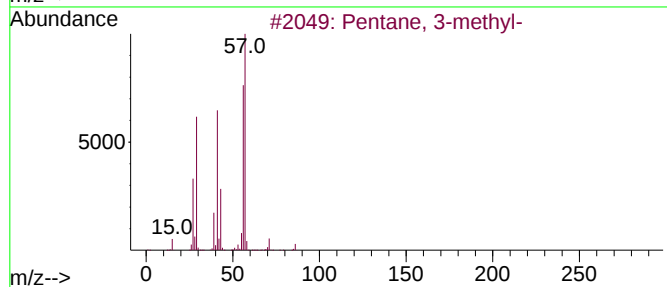
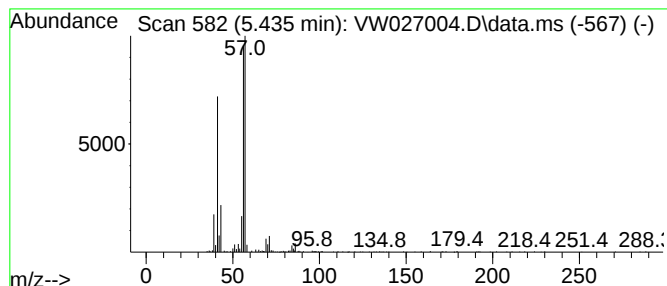
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.435	2.93 ug/L	309493	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	56
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	53
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
5	Pentafluoroethyl propionate	192	C5H5F5O2	1000389-52-6	50



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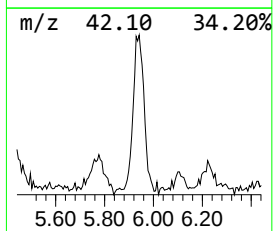
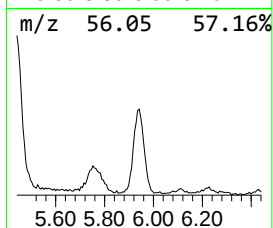
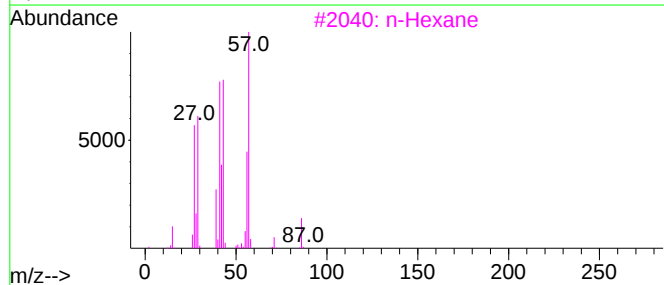
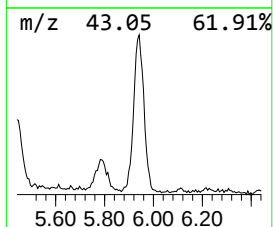
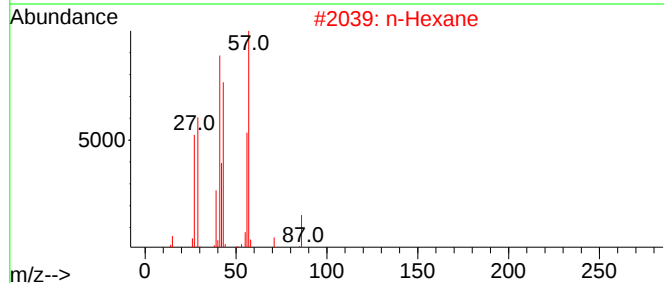
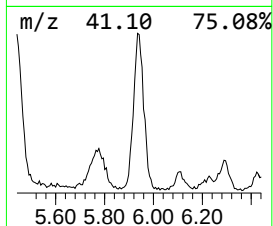
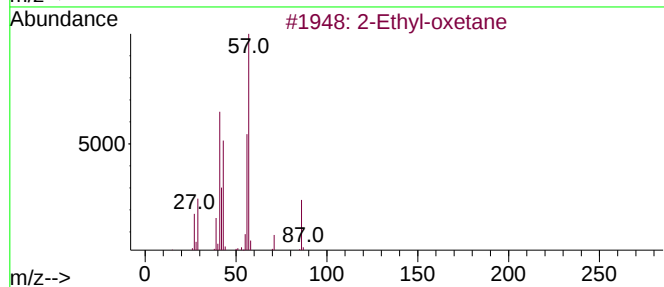
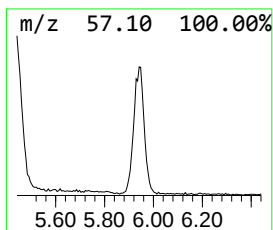
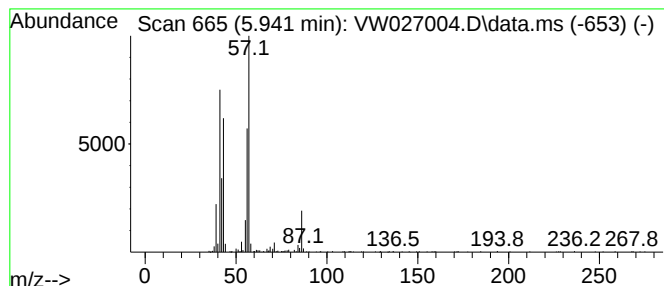
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Quant Title : SFAM01.0

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

Peak Number 3 2-Ethyl-oxetane Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	2.35 ug/L	248097	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	86
2			n-Hexane	86	C6H14	000110-54-3	64
3			n-Hexane	86	C6H14	000110-54-3	53
4			Cyclopropane, propyl-	84	C6H12	002415-72-7	43
5			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

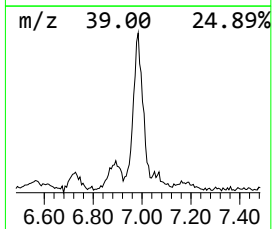
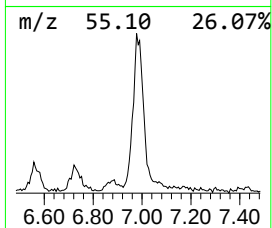
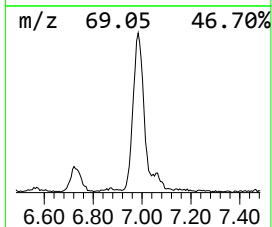
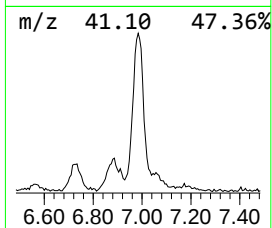
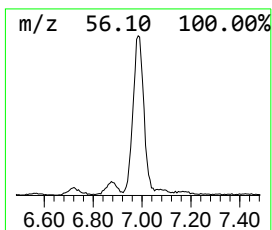
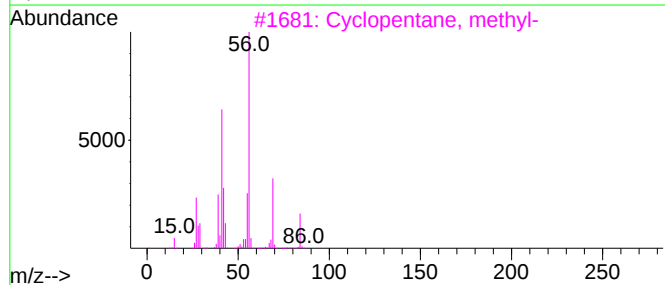
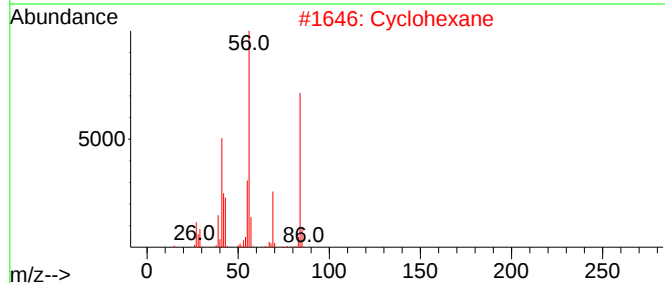
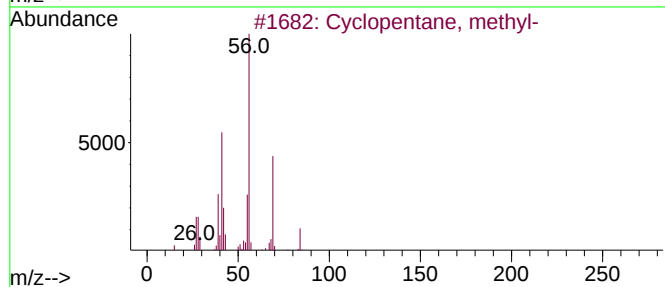
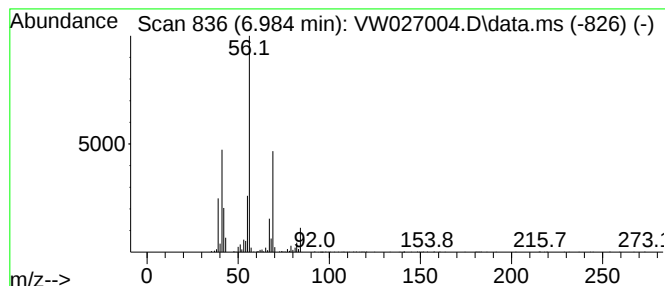
Instrument :
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ClientSampleId :
EZYG3RE

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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic6.984 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.984	4.28 ug/L	451321	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclohexane	84	C6H12	000110-82-7	72
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

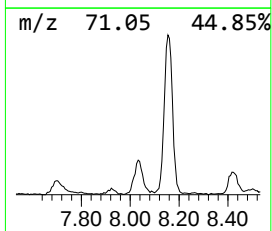
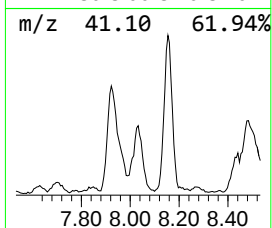
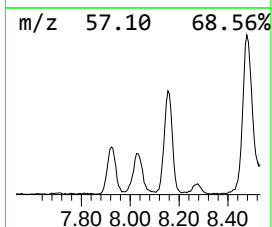
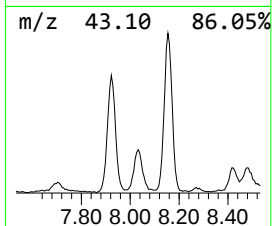
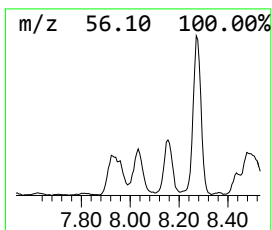
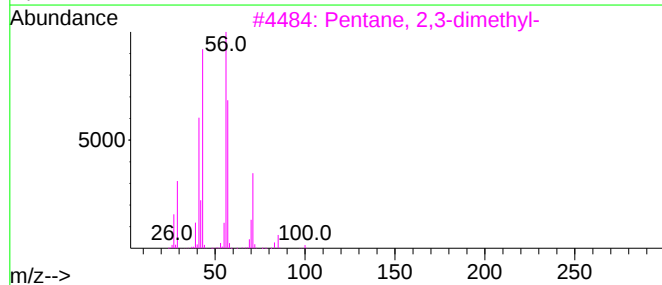
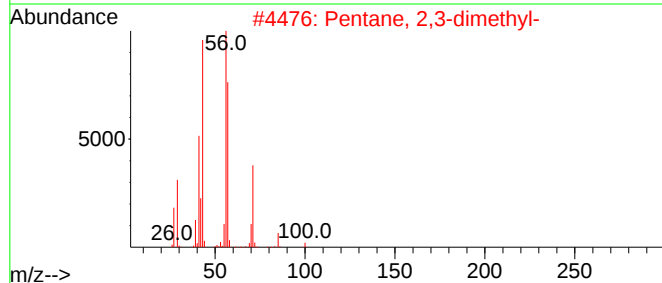
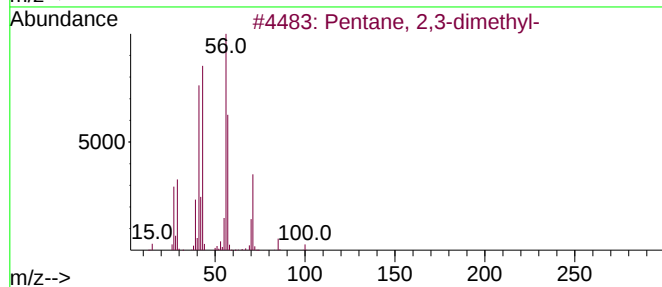
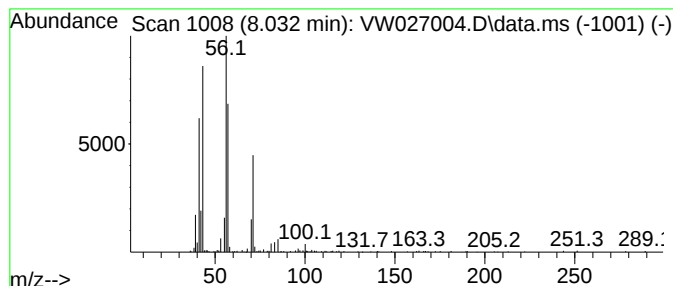
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD			R.T.
8.032	2.36 ug/L	249223	1,4-Difluorobenzene			8.843
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-		100	C7H16	000565-59-3	87
2	Pentane, 2,3-dimethyl-		100	C7H16	000565-59-3	80
3	Pentane, 2,3-dimethyl-		100	C7H16	000565-59-3	80
4	Pentane, 2,3-dimethyl-		100	C7H16	000565-59-3	64
5	Hexane, 3-methyl-		100	C7H16	000589-34-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

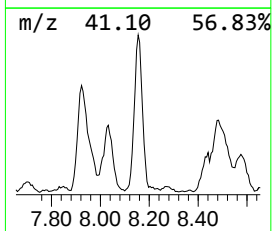
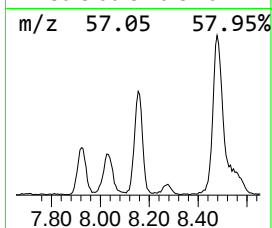
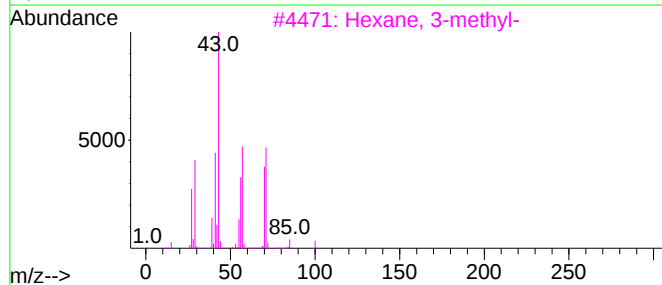
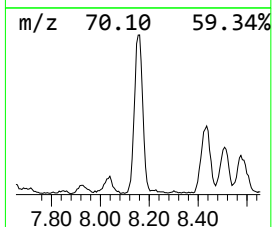
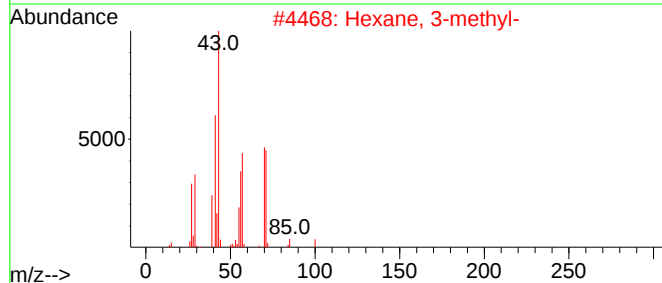
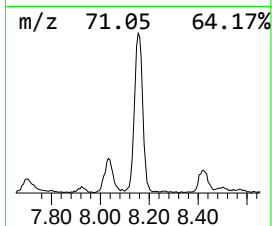
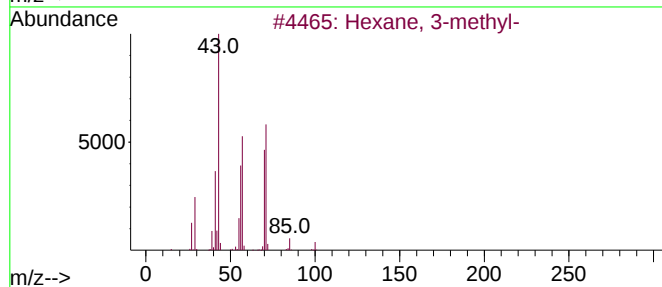
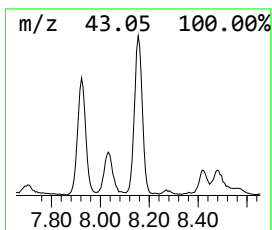
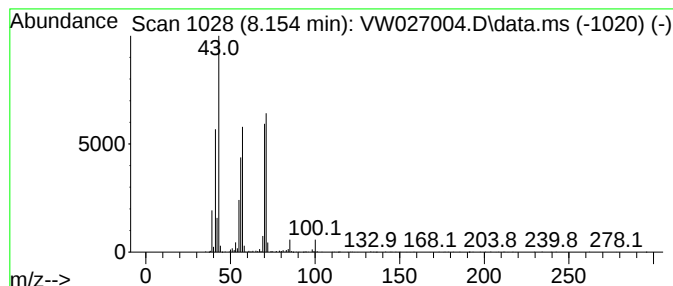
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	5.61 ug/L	591681	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-			100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-			100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-			100	C7H16	000589-34-4	87
4	Heptane			100	C7H16	000142-82-5	80
5	Heptane			100	C7H16	000142-82-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

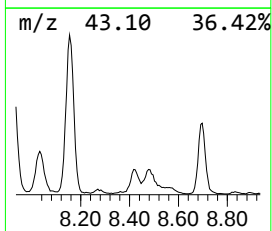
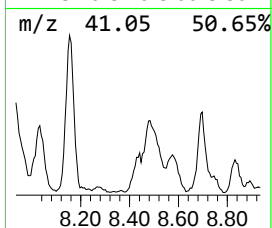
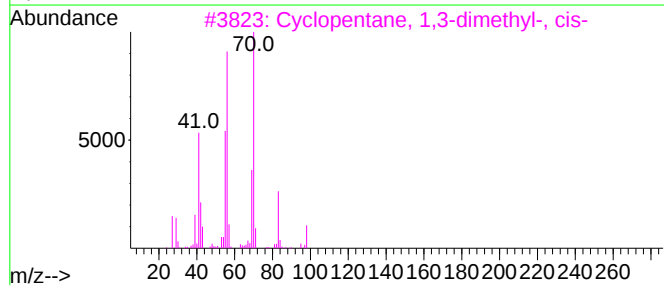
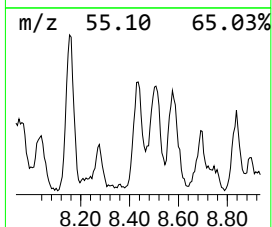
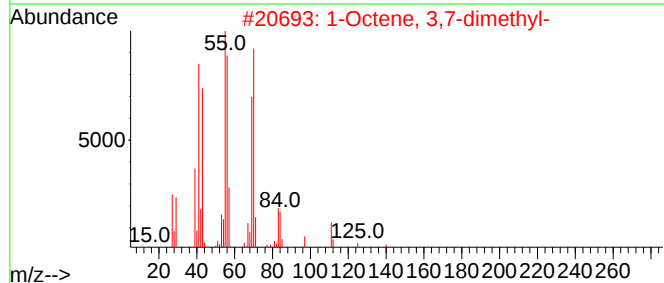
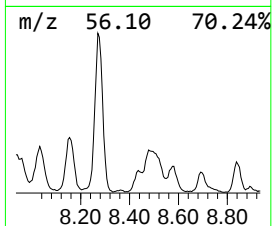
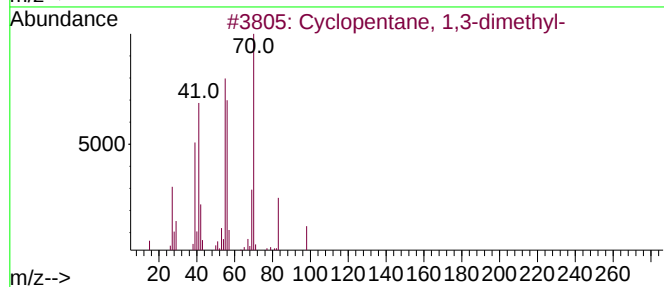
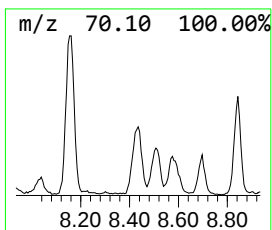
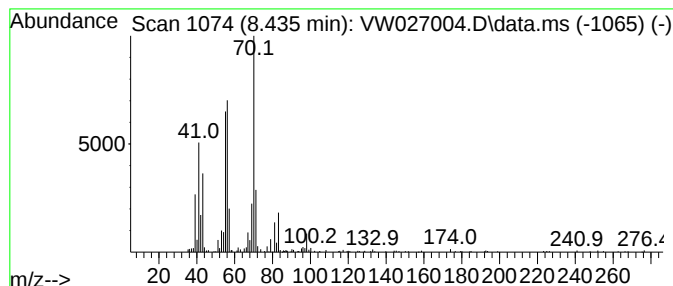
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.435 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.435	1.58 ug/L	166281	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	83
2			1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	72
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	58
4			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	55
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

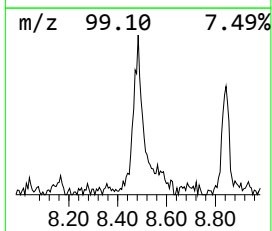
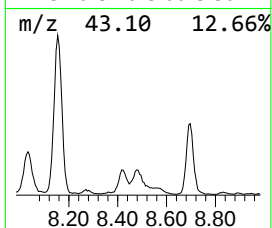
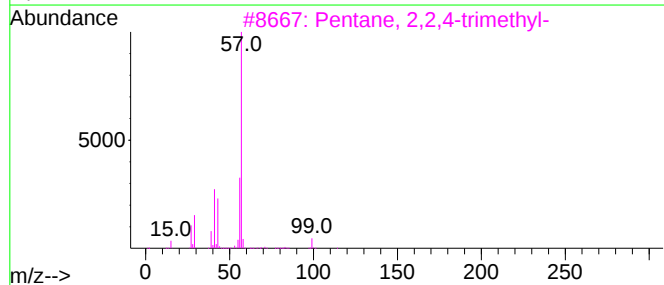
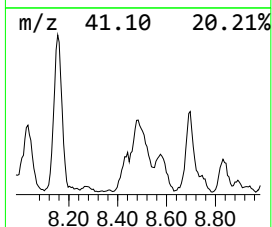
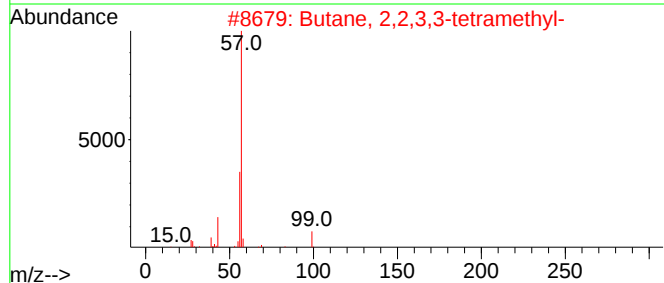
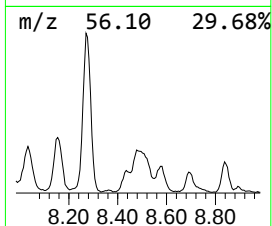
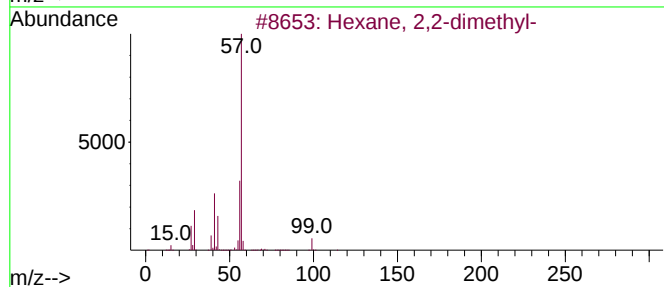
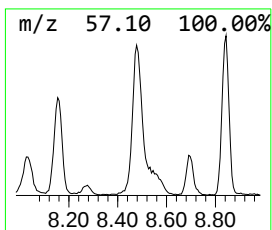
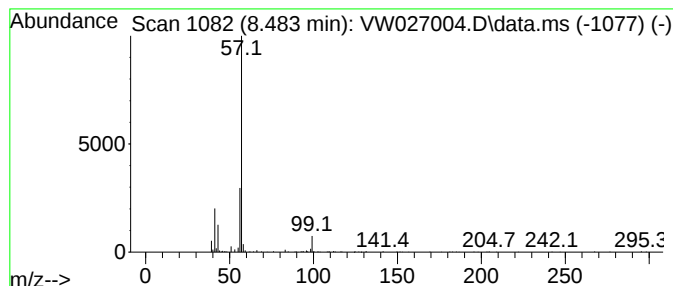
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.483	3.94 ug/L	416246	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	59
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	45
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	45
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

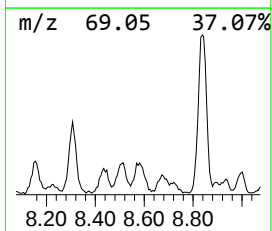
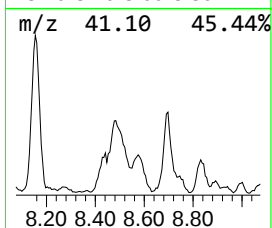
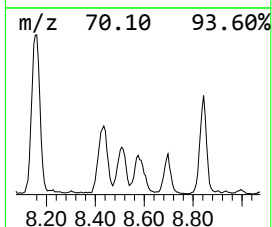
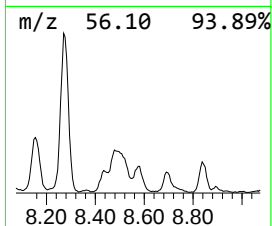
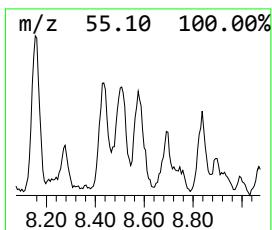
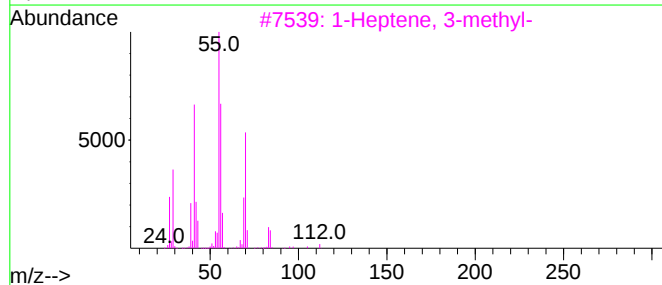
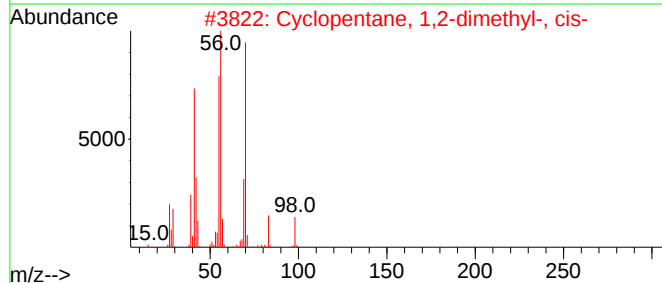
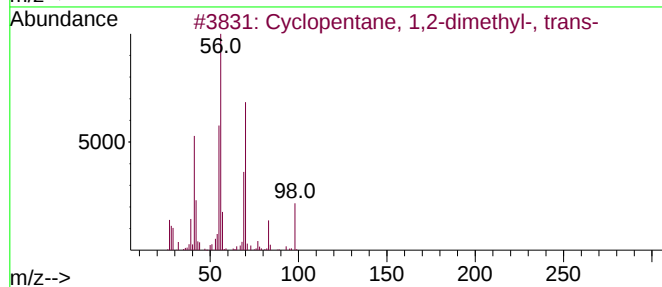
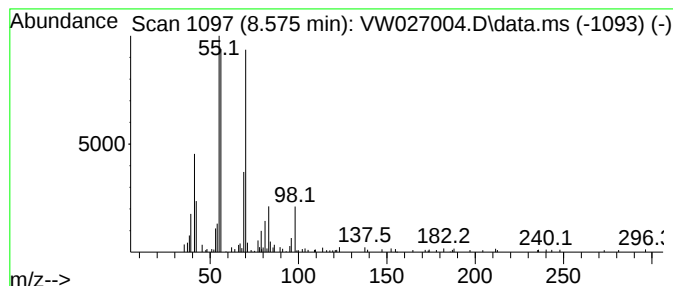
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic8.575 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	1.51 ug/L	159827	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
3			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	64
4			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64
5			1-Octene, 3-methyl-	126	C9H18	013151-08-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

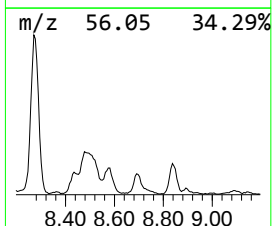
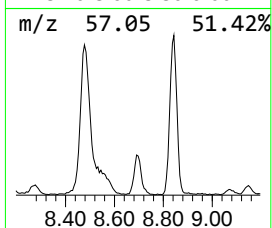
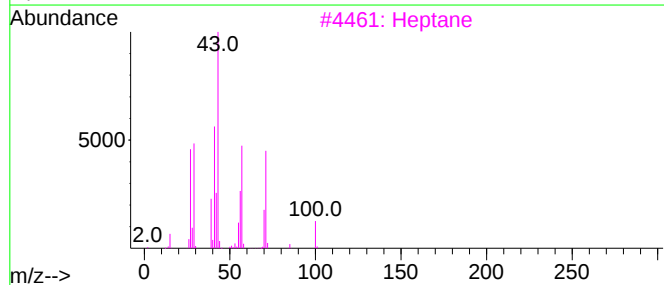
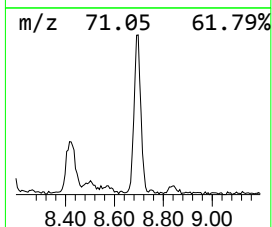
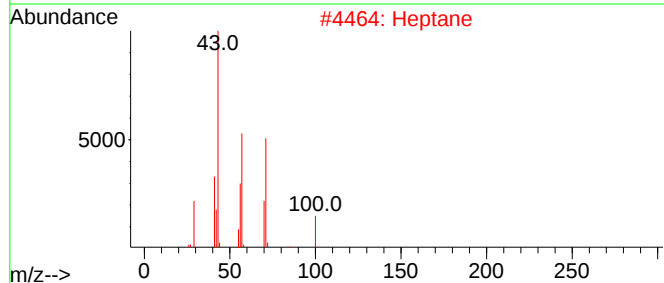
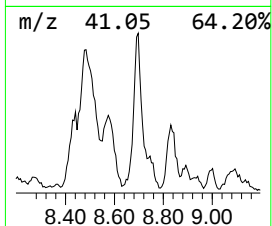
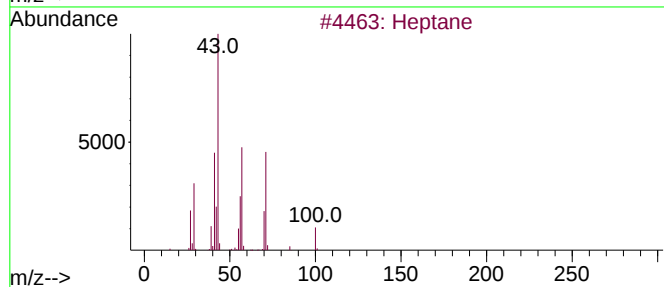
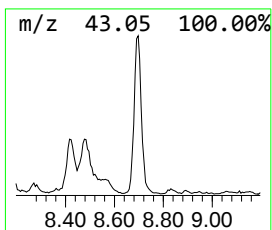
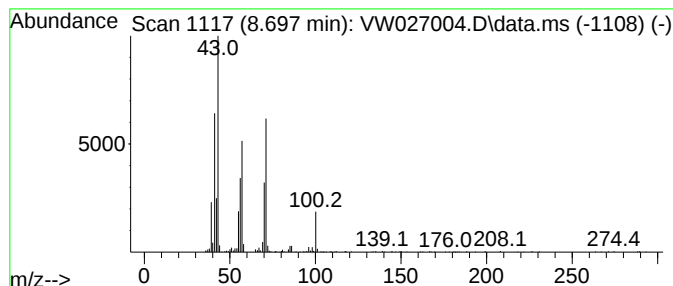
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.697	2.70 ug/L	285345	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	91
2	Heptane			100	C7H16	000142-82-5	90
3	Heptane			100	C7H16	000142-82-5	78
4	Heptane			100	C7H16	000142-82-5	72
5	Hexane, 3-methyl-			100	C7H16	000589-34-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

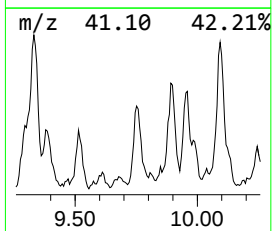
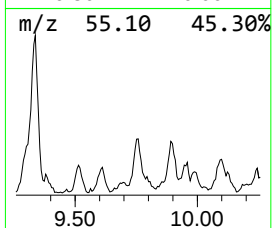
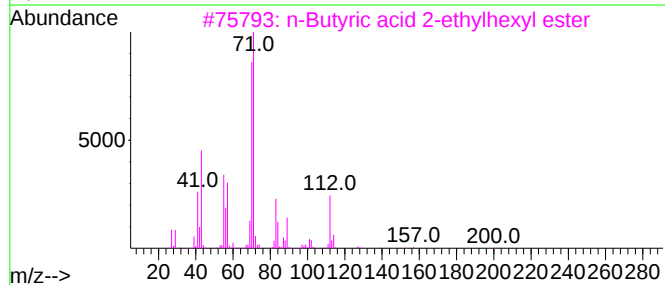
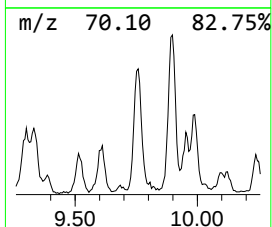
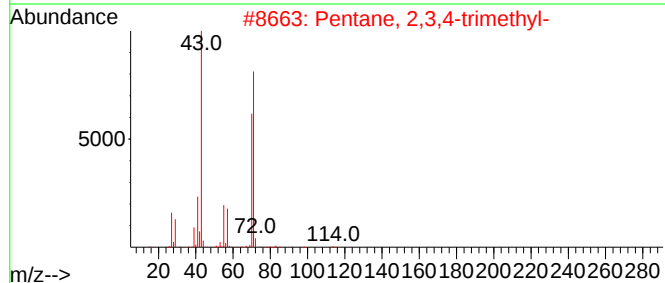
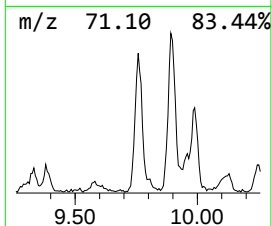
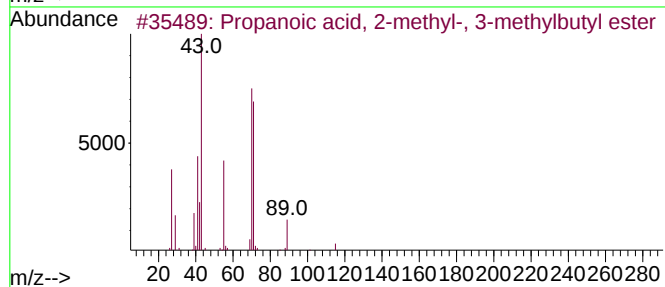
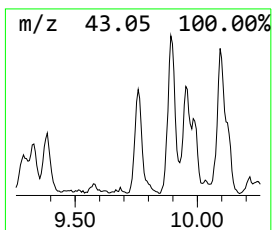
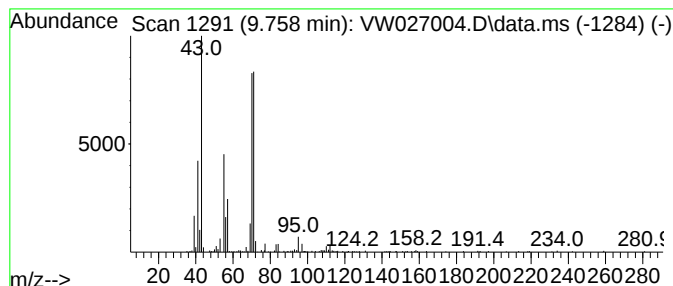
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Quant Title : SFAM01.0

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

Peak Number 12 Propanoic acid, 2-methyl-, ... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	1.49 ug/L	156821	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	72
2			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
3			n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	72
4			3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	64
5			Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

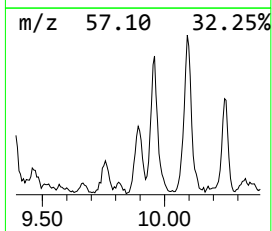
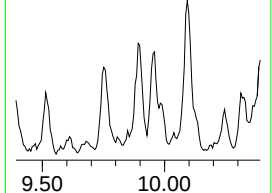
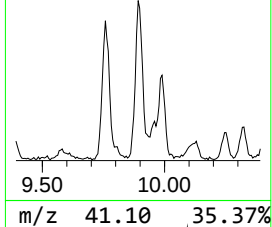
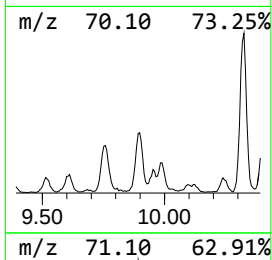
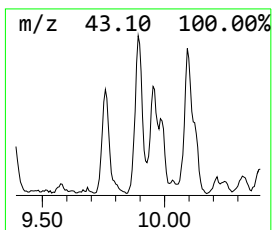
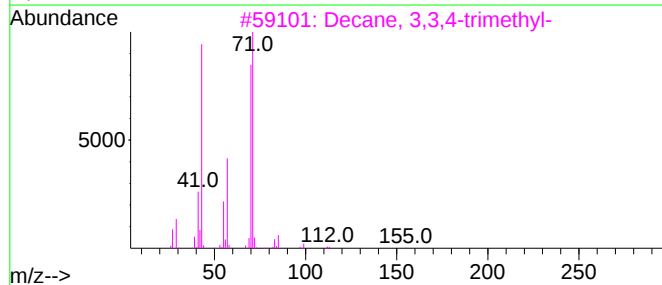
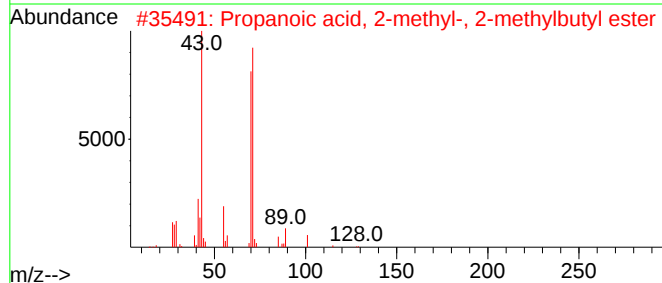
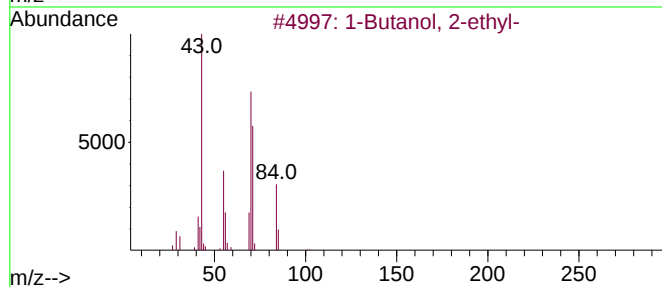
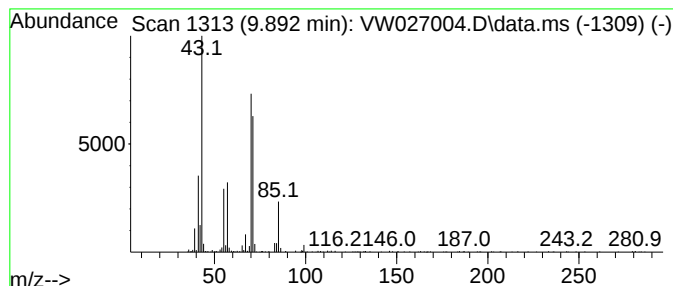
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Quant Title : SFAM01.0

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

Peak Number 13 1-Butanol, 2-ethyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	1.58 ug/L	166375	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	72
2			Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	72
3			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4			Diisoamyl ether	158	C10H22O	000544-01-4	64
5			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

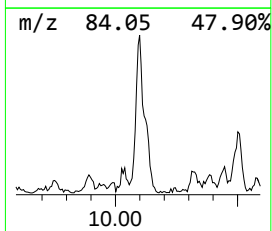
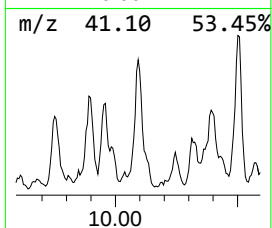
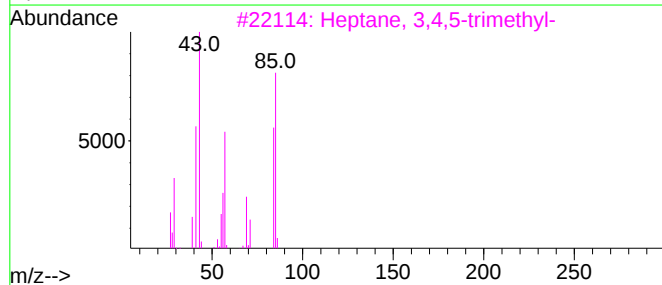
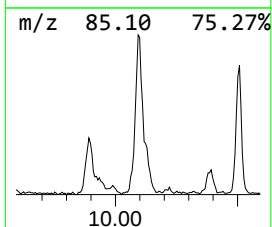
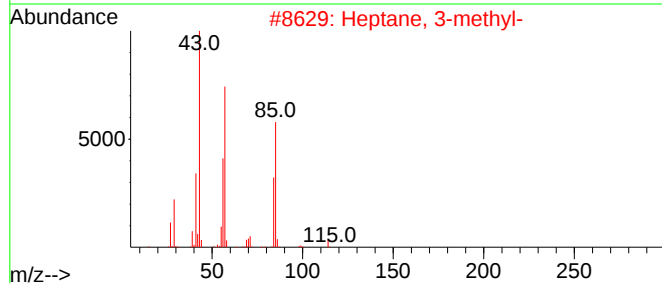
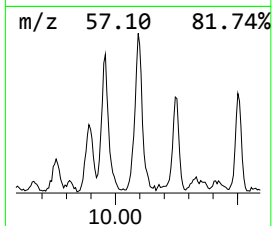
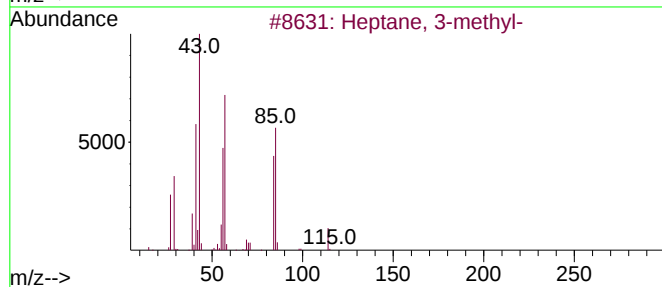
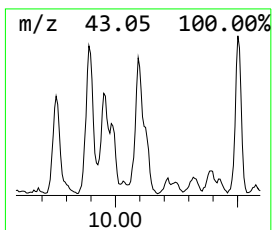
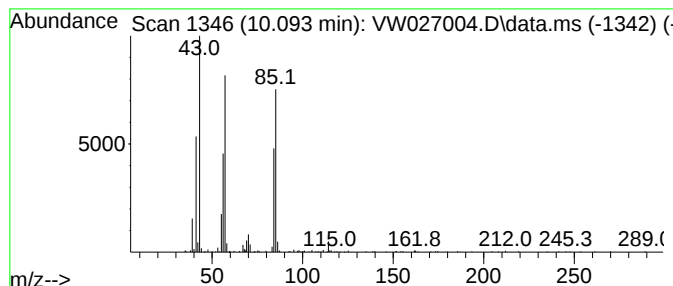
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.093	2.56 ug/L	270115	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	91
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	74
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

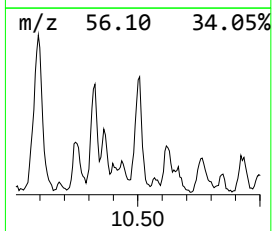
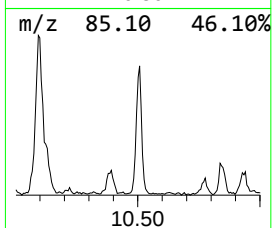
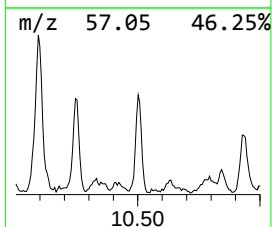
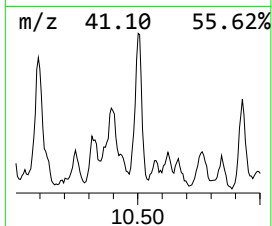
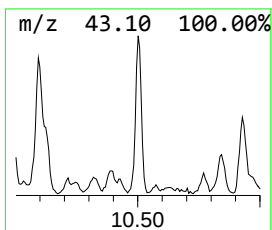
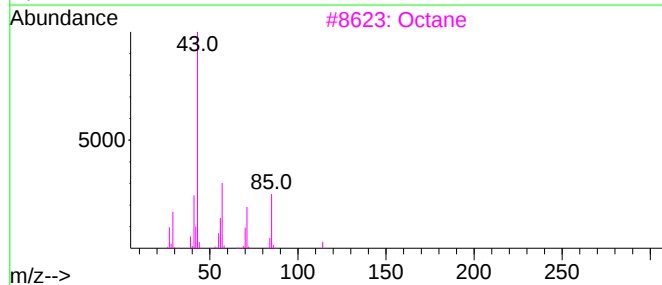
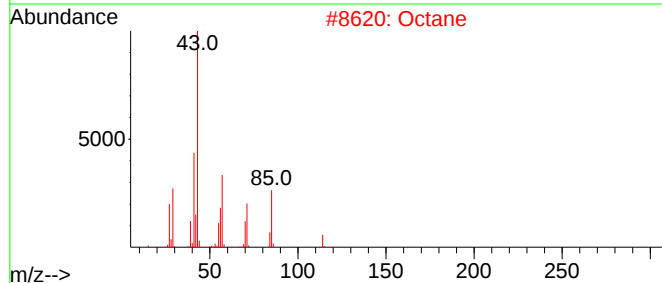
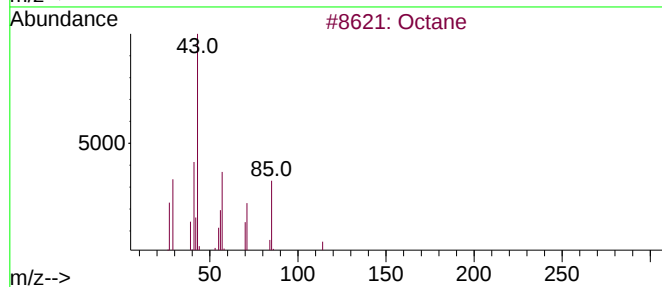
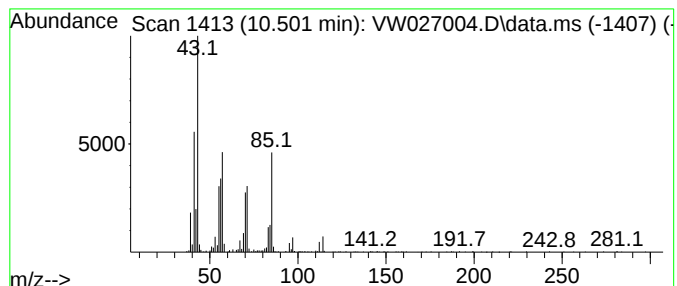
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.501	3.03 ug/L	255777	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	81
2	Octane	114	C8H18	000111-65-9	72
3	Octane	114	C8H18	000111-65-9	72
4	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	53
5	Octane	114	C8H18	000111-65-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

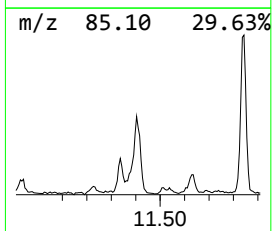
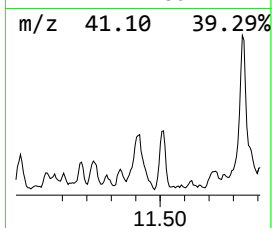
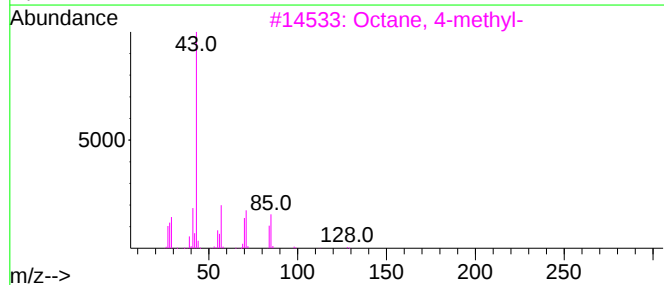
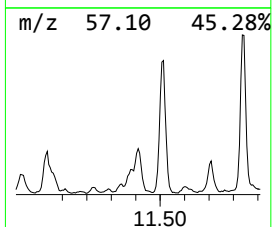
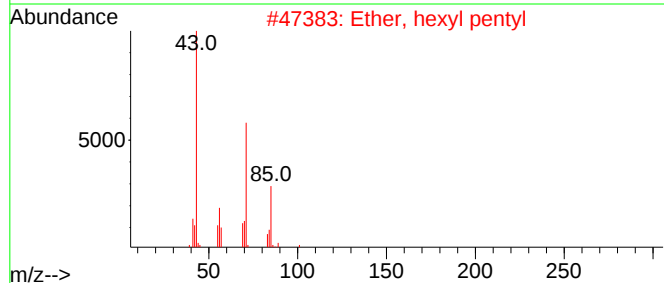
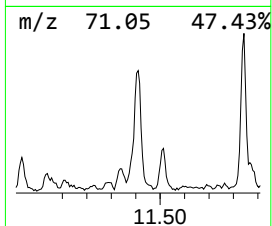
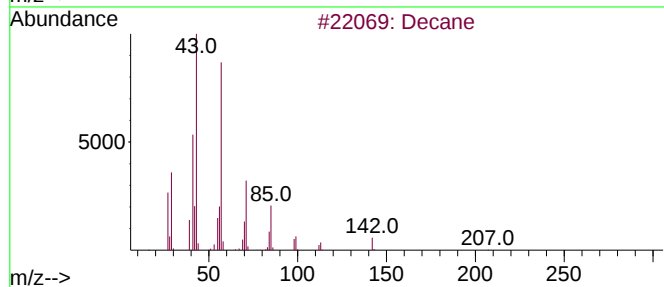
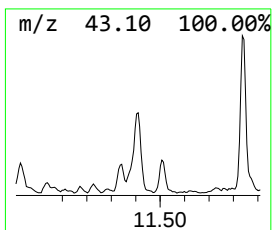
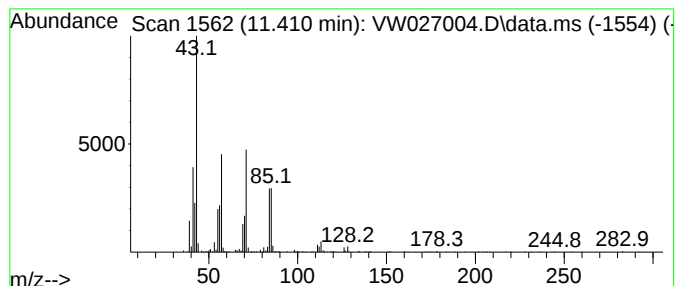
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	5.07 ug/L	427727	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	59
2			Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
3			Octane, 4-methyl-	128	C9H20	002216-34-4	58
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
5			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

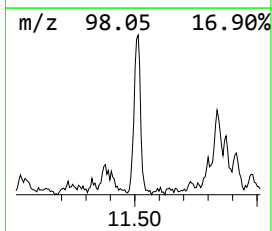
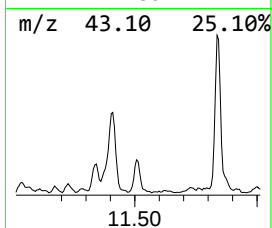
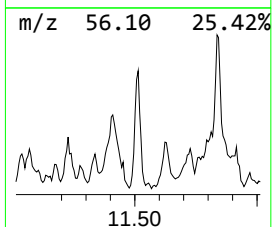
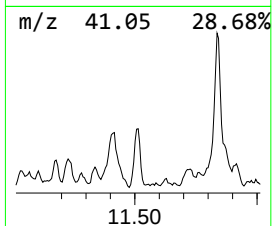
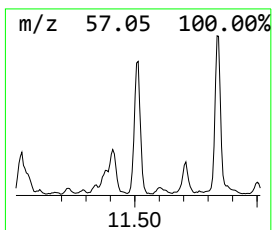
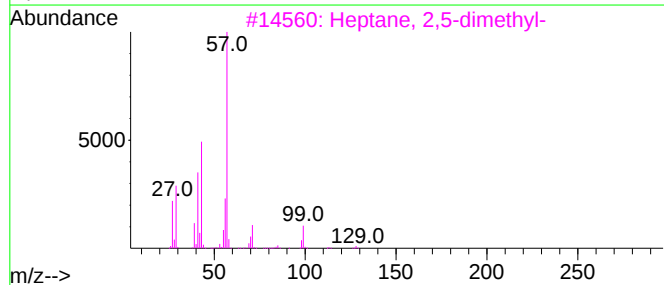
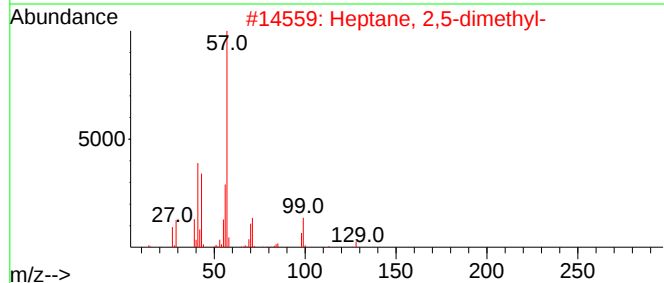
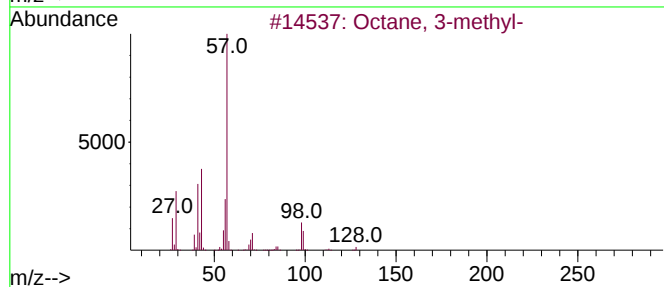
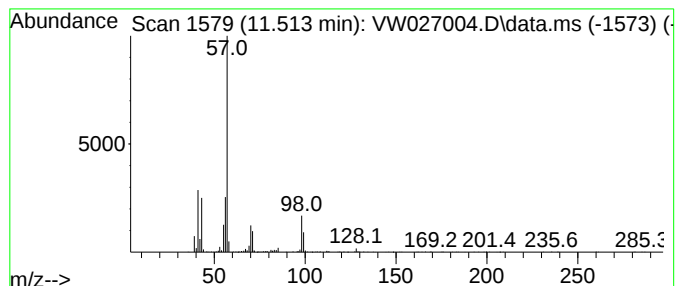
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.514	2.59 ug/L	218254	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	83
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	76
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	74
4	Octane, 4,5-dipropyl-		198	C14H30	020905-05-9	64
5	Octane, 3-methyl-		128	C9H20	002216-33-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

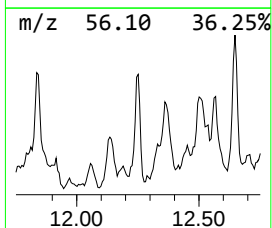
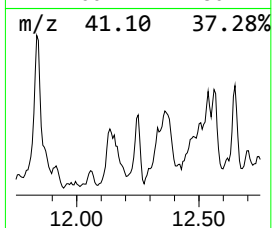
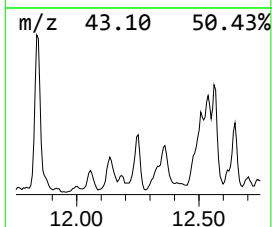
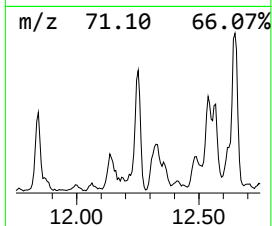
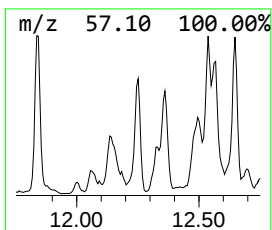
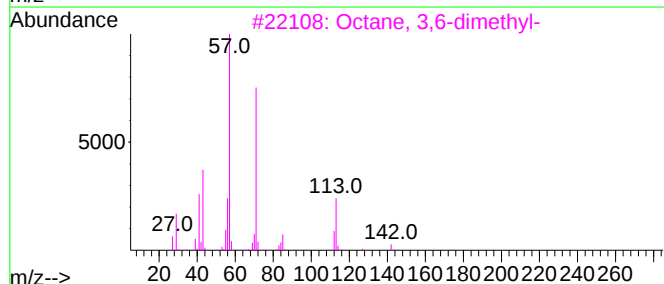
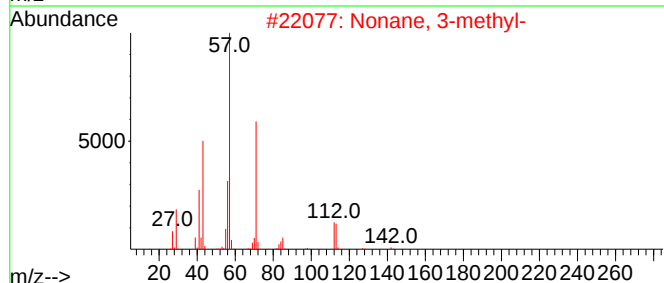
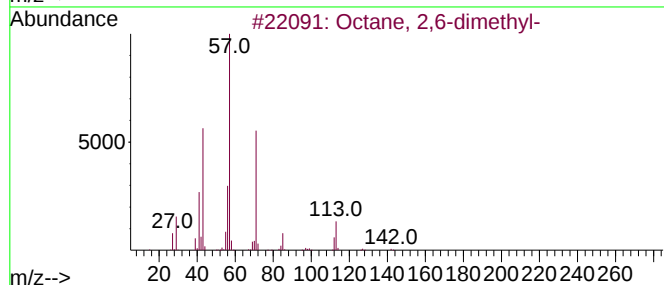
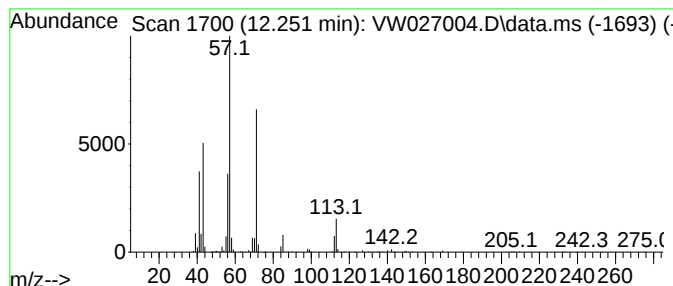
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	3.34 ug/L	281565	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	Nonane, 3-methyl-			142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	90
4	Nonane, 3-methyl-			142	C10H22	005911-04-6	87
5	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

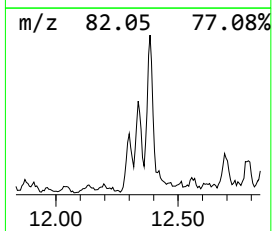
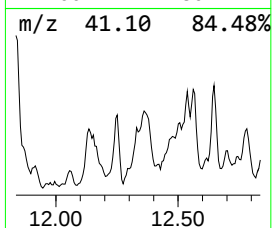
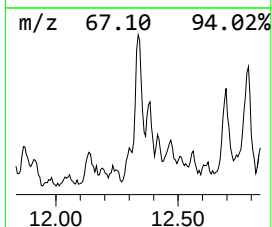
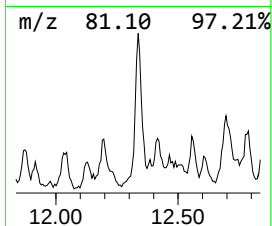
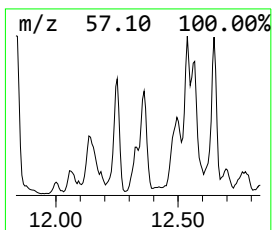
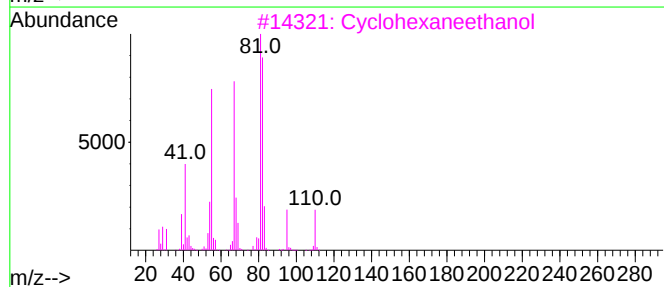
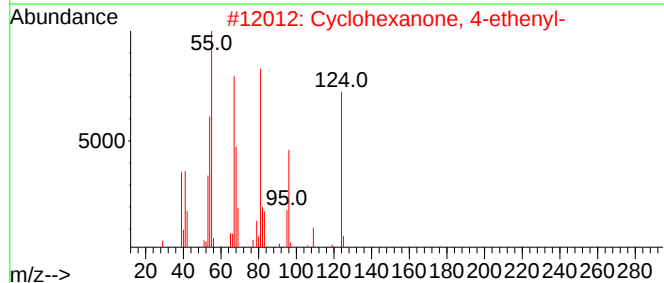
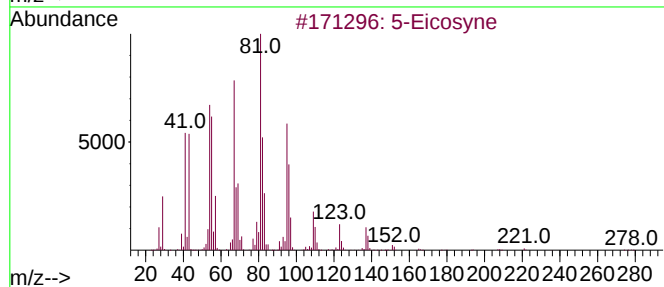
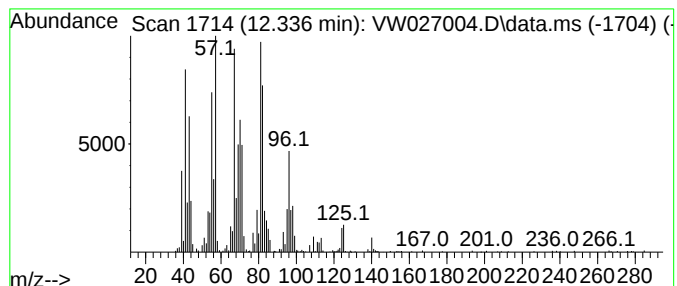
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Quant Title : SFAM01.0

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

Peak Number 20 5-Eicosyne Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	3.86 ug/L	325525	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosyne	278	C20H38	074685-31-7	53
2			Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	49
3			Cyclohexaneethanol	128	C8H16O	004442-79-9	49
4			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
5			7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

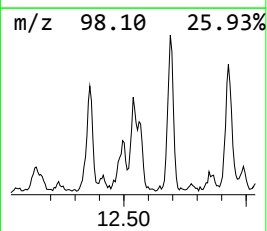
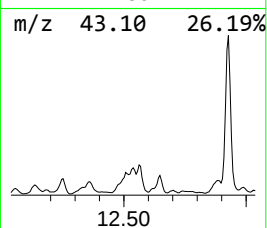
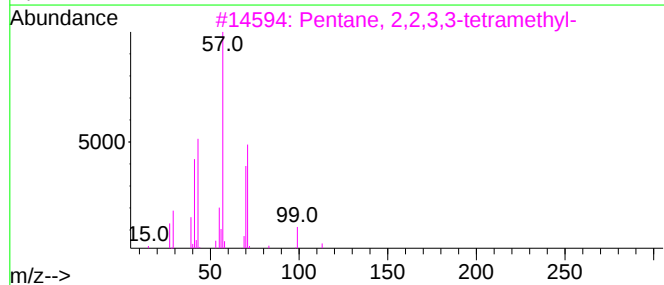
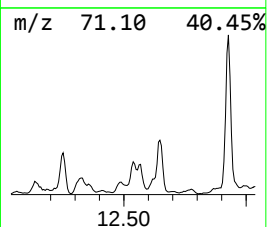
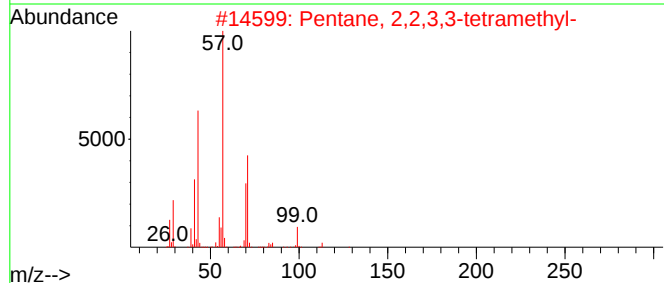
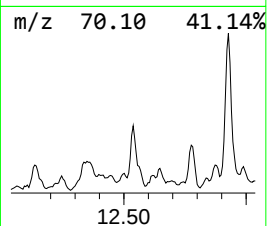
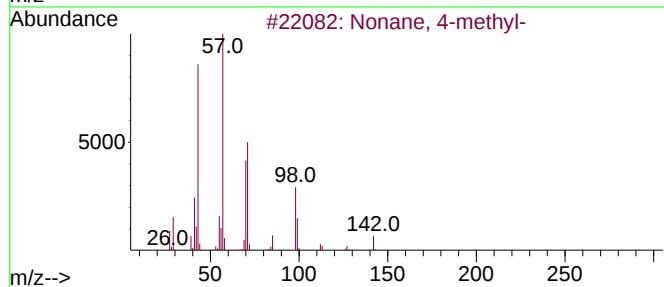
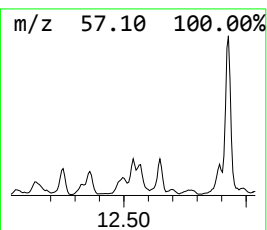
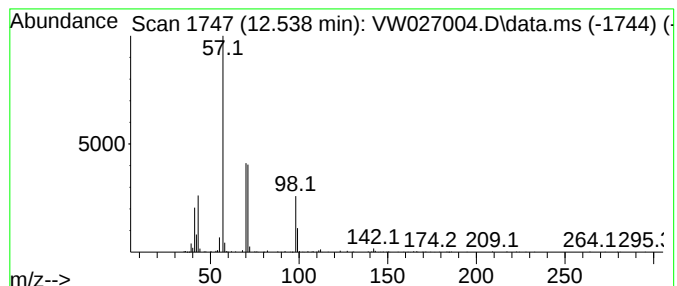
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.538	3.04 ug/L	256377	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	52
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

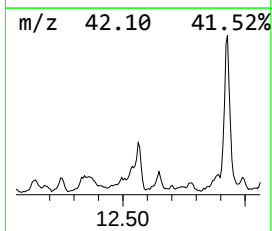
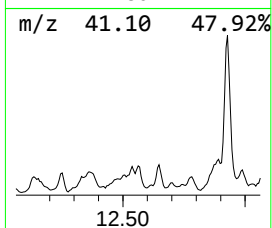
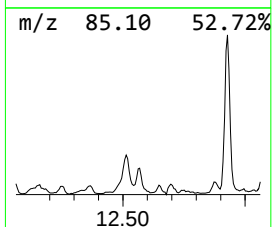
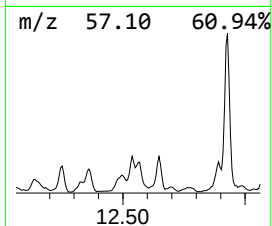
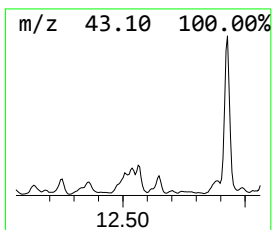
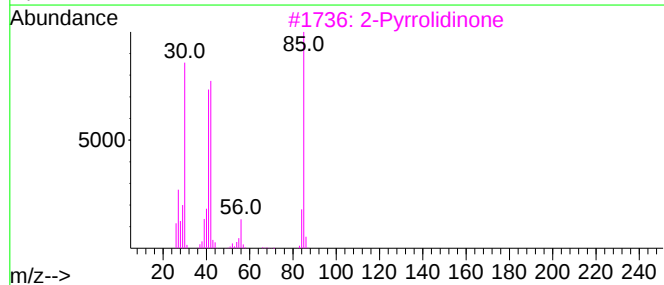
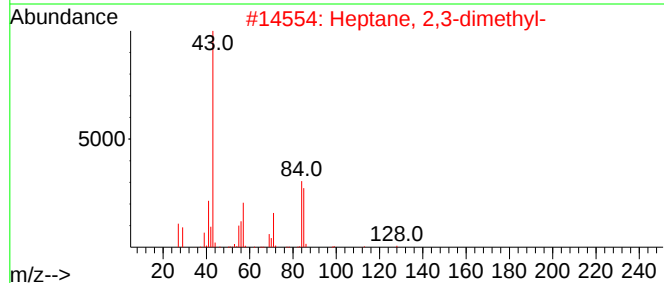
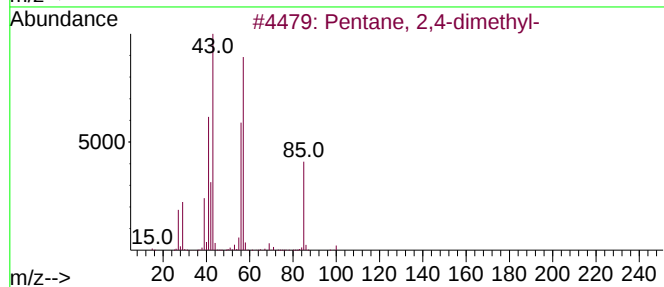
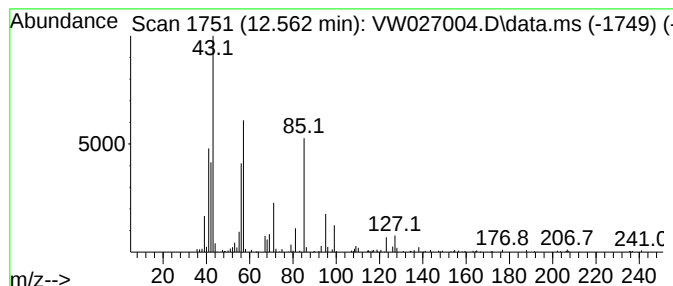
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.562	2.87 ug/L	242293	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	47
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	35
3		2-Pyrrolidinone	85	C4H7NO	000616-45-5	35
4		Heptane, 2-methyl-	114	C8H18	000592-27-8	27
5		Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

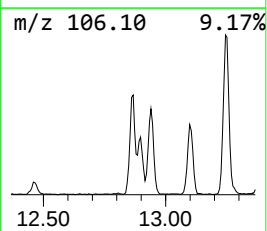
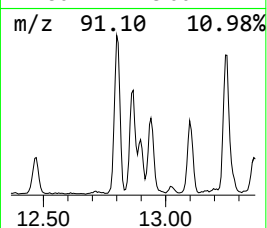
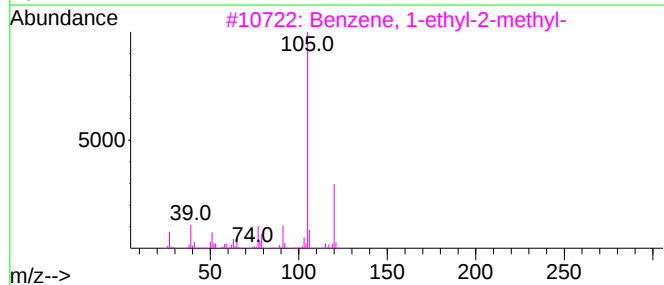
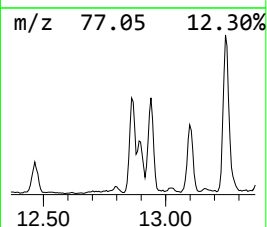
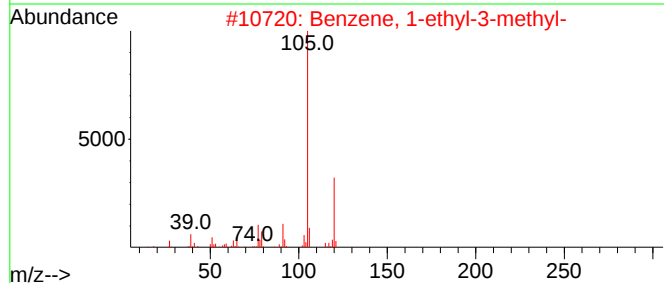
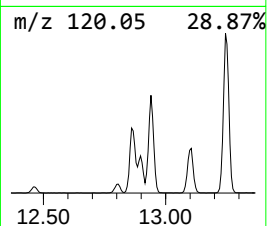
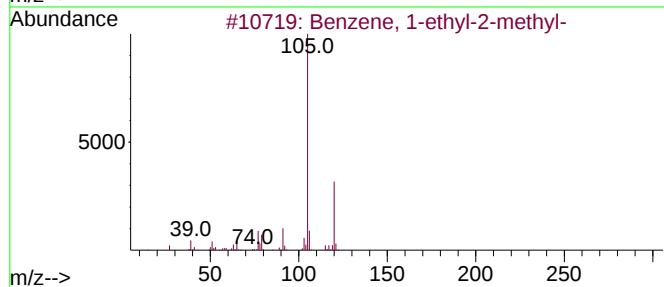
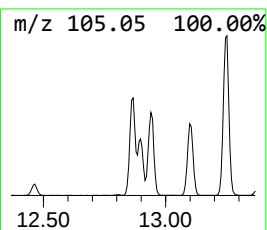
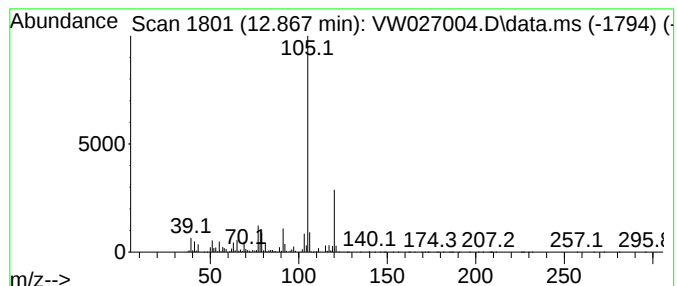
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	26.60 ug/L	1610800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

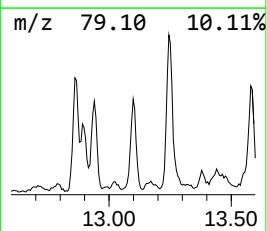
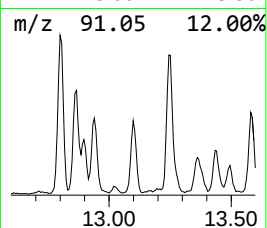
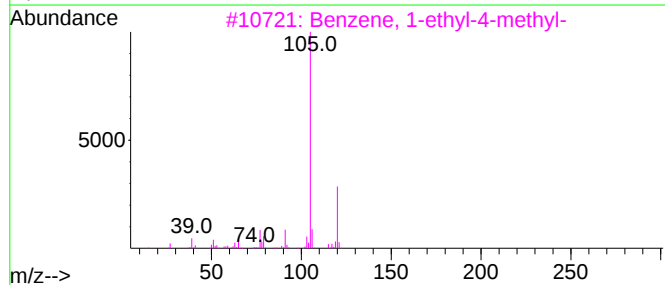
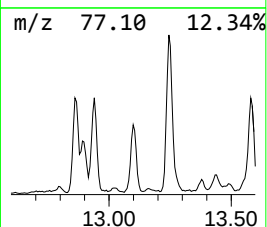
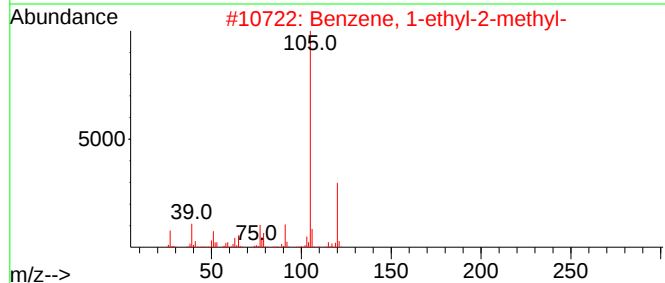
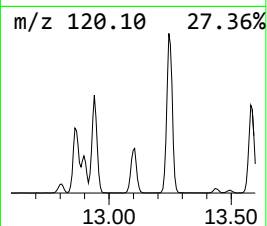
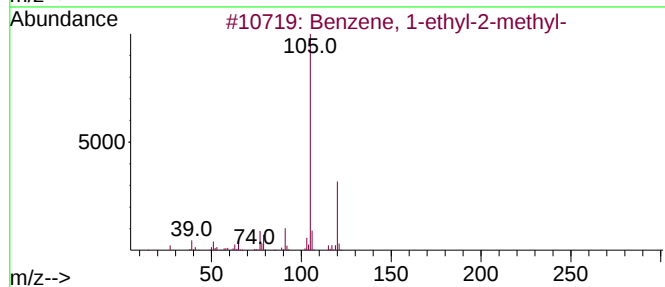
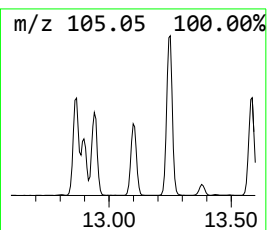
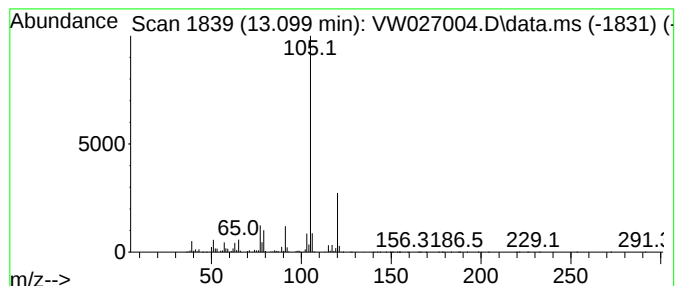
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	24.29 ug/L	1471040	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

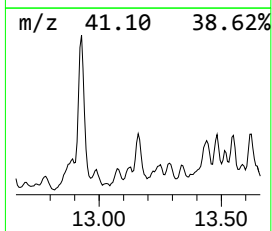
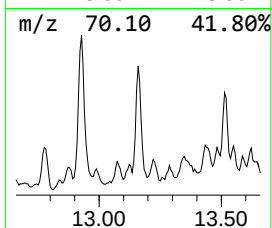
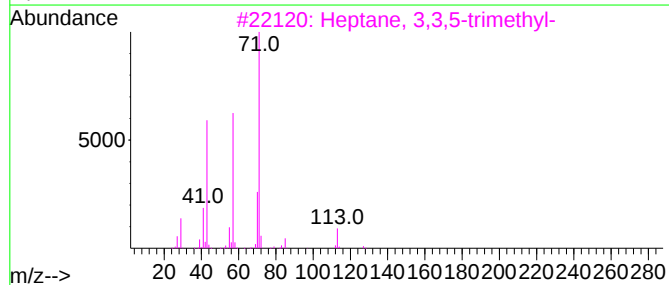
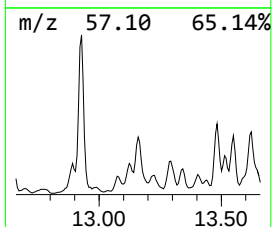
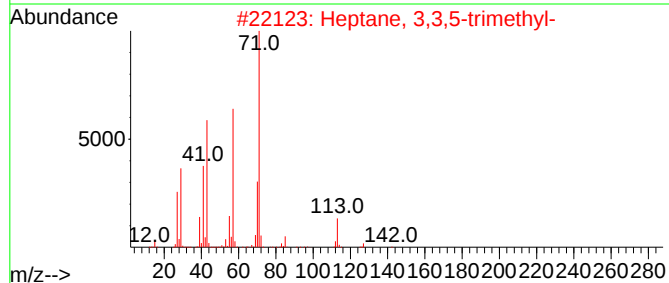
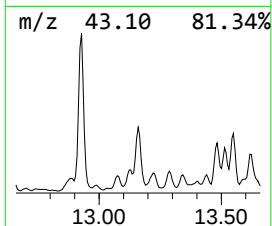
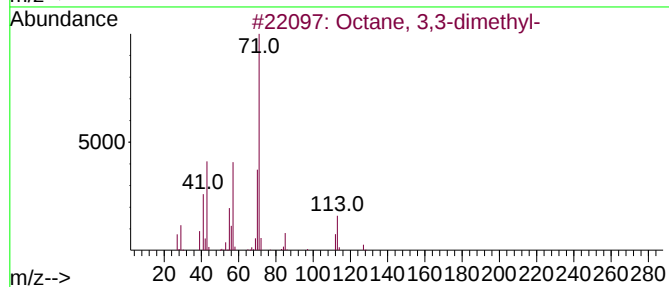
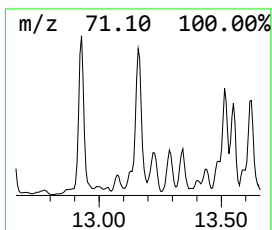
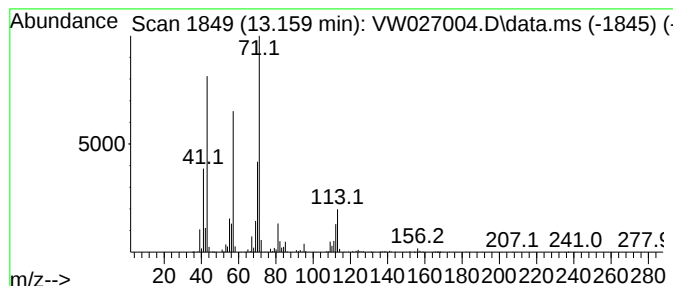
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.160	12.36 ug/L	748782	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	72
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	Decane, 4-methyl-		156	C11H24	002847-72-5	59
5	n-Amyl ether		158	C10H22O	000693-65-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

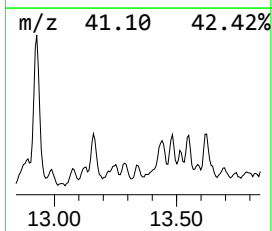
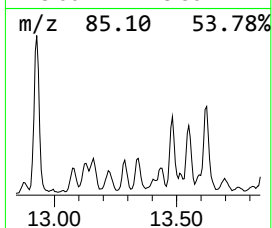
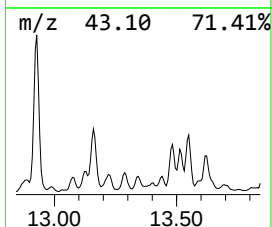
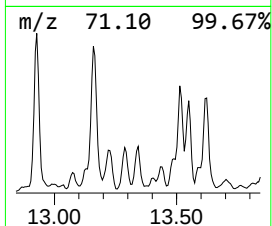
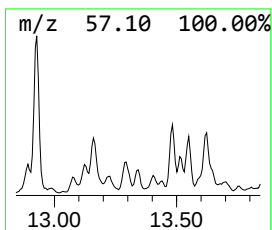
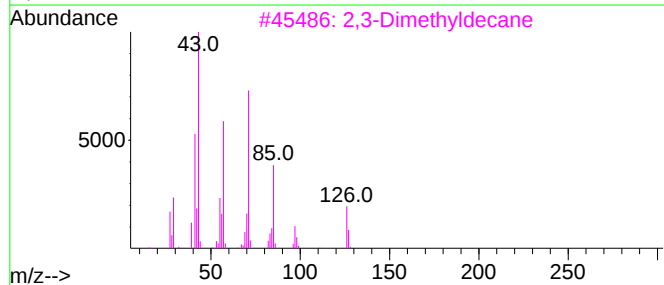
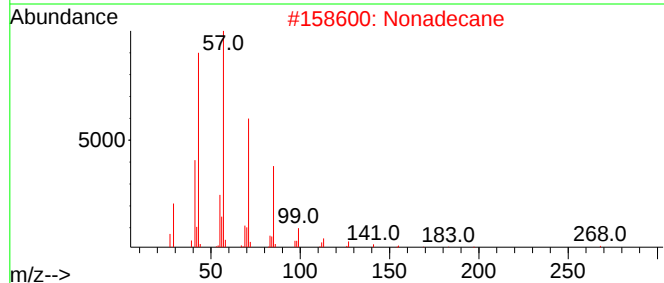
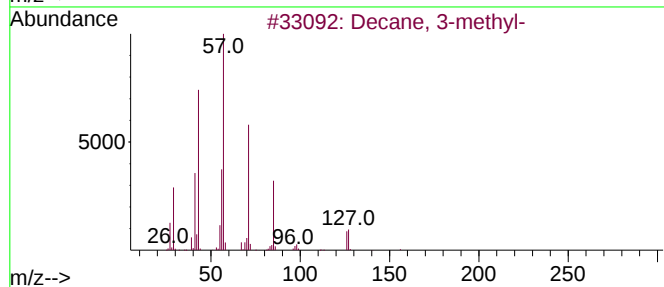
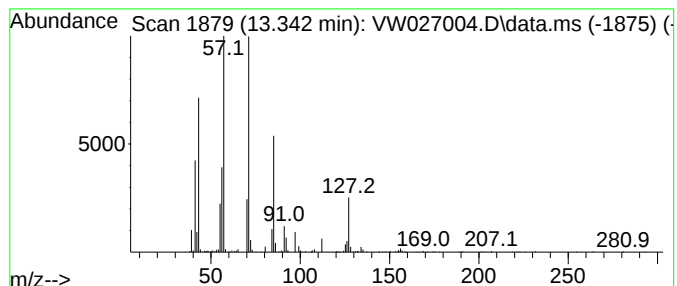
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.342	2.61 ug/L	158215	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	80
2			Nonadecane	268	C19H40	000629-92-5	59
3			2,3-Dimethyldecane	170	C12H26	017312-44-6	53
4			Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1010309-15-8	50
5			Vinyl 2-ethyl-2,5-dimethylhexanoate	198	C12H22O2	1000498-24-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

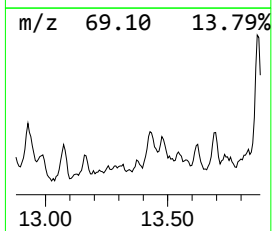
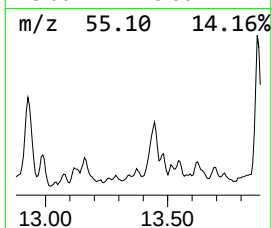
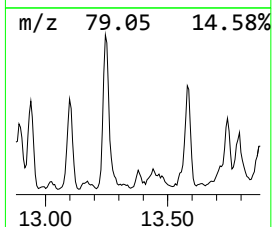
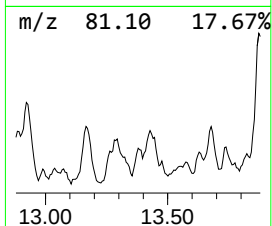
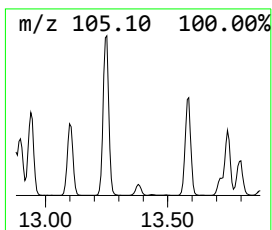
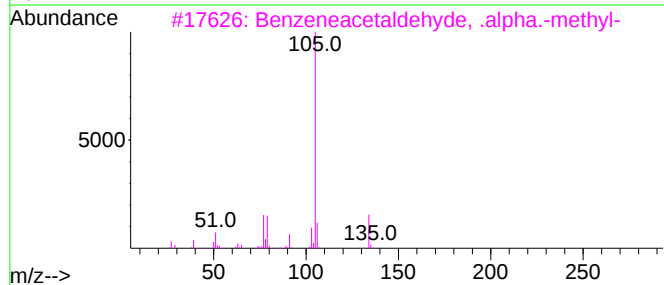
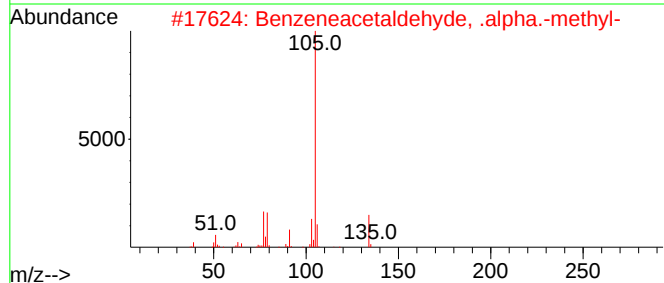
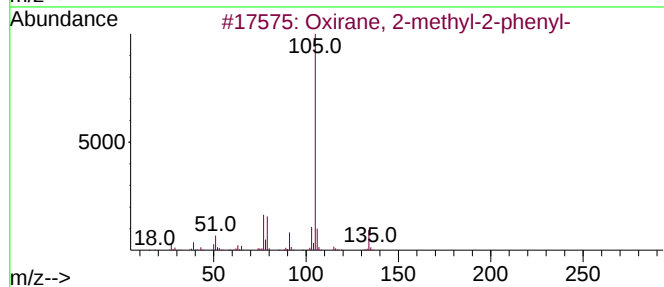
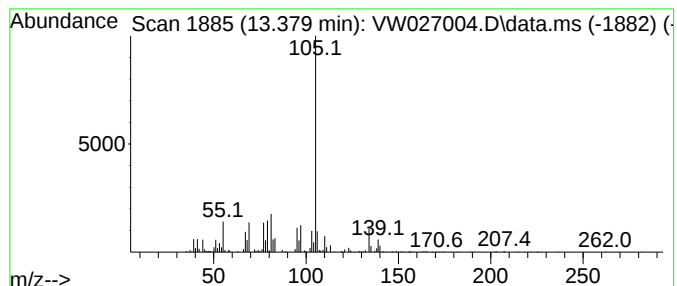
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Quant Title : SFAM01.0

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

Peak Number 28 Oxirane, 2-methyl-2-phenyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.379	3.02 ug/L	182998	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	60
2			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	60
3			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	49
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	47
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

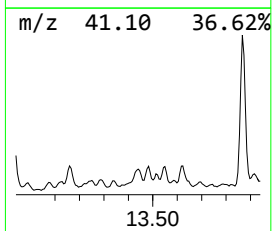
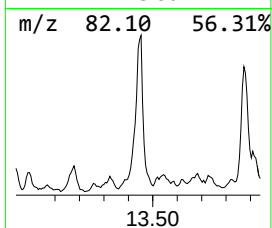
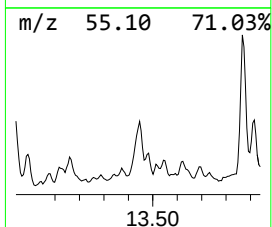
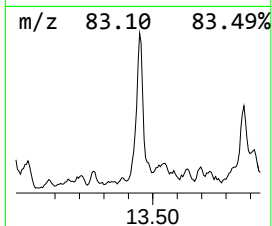
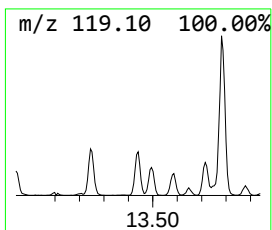
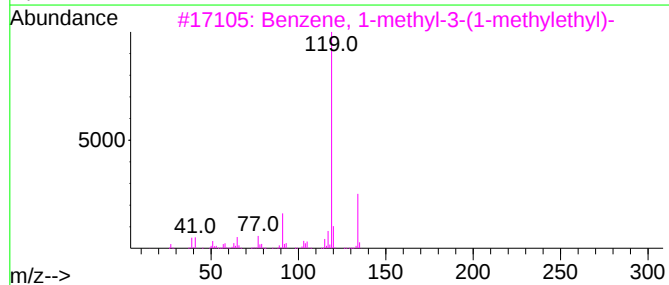
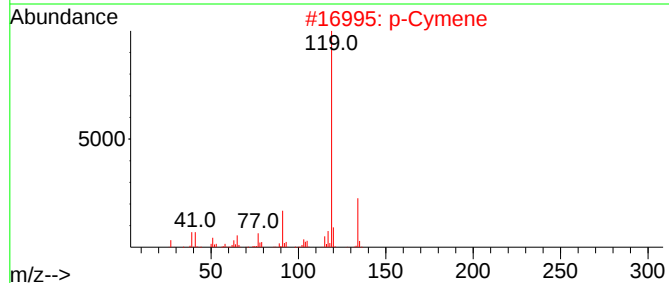
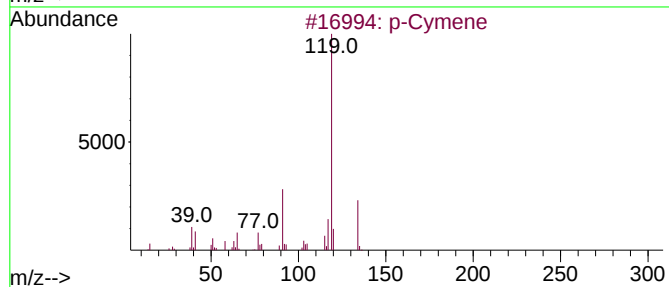
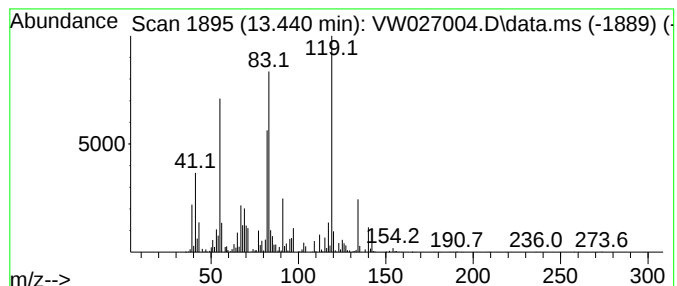
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 p-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.440	18.90 ug/L	1144470	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	86
2	p-Cymene	134	C10H14	000099-87-6	86
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	83
5	o-Cymene	134	C10H14	000527-84-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

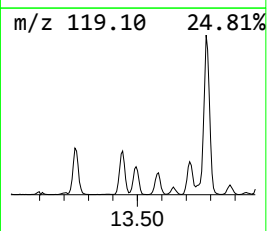
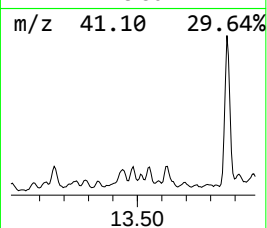
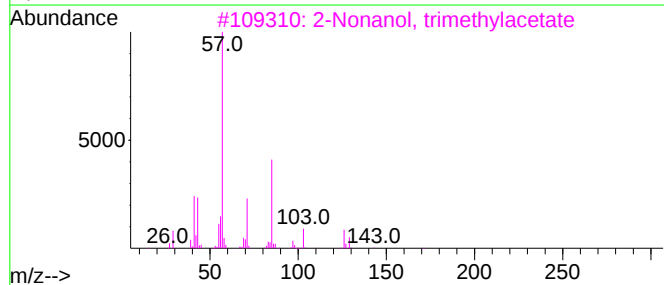
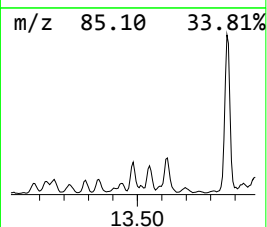
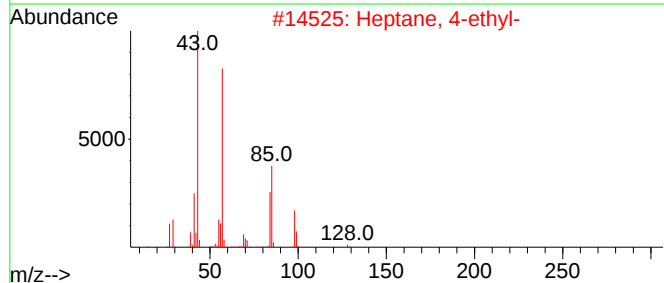
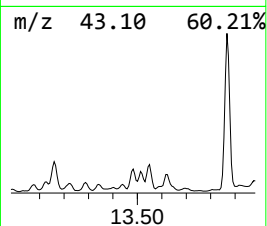
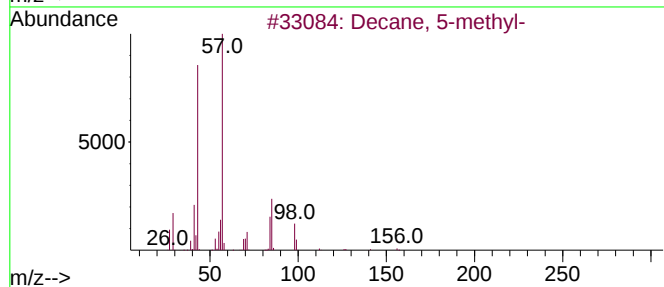
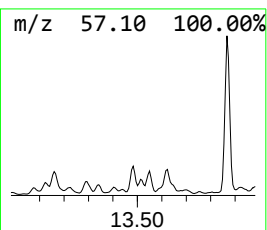
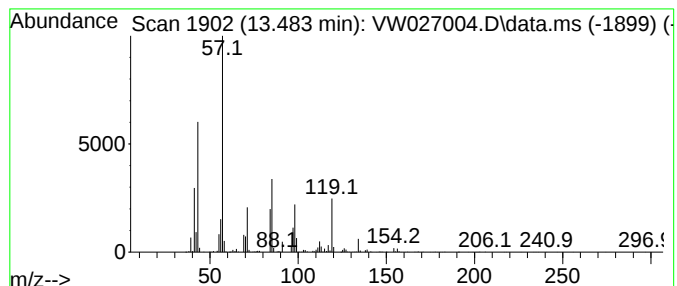
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	11.62 ug/L	703827	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 5-methyl-	156	C11H24	013151-35-4	60
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	35
3		2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	35
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

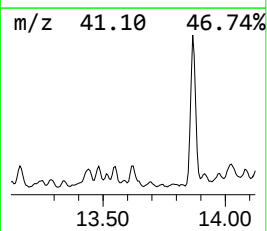
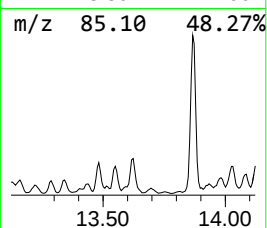
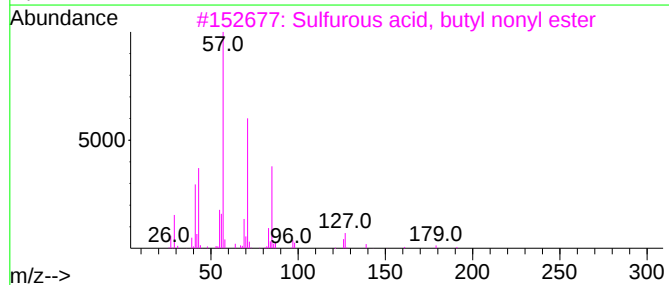
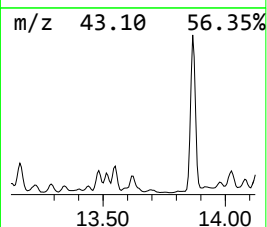
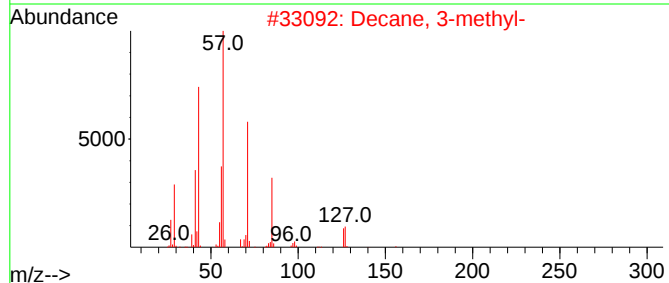
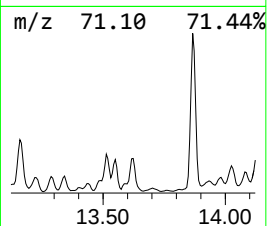
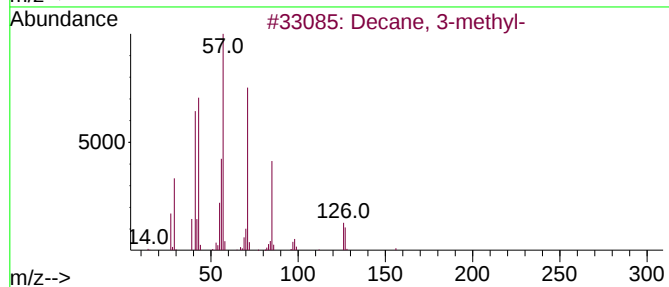
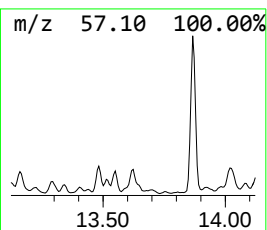
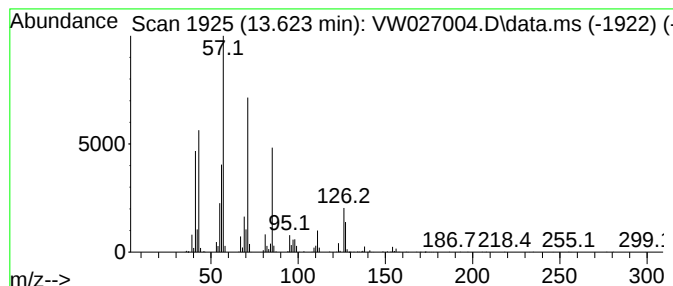
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.623	10.10 ug/L	611761	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	93
2	Decane, 3-methyl-		156	C11H24	013151-34-3	87
3	Sulfurous acid, butyl nonyl ester		264	C13H28O3S	1000309-17-6	50
4	Nonane, 5-(2-methylpropyl)-		184	C13H28	062185-53-9	50
5	Nonane, 5-butyl-		184	C13H28	017312-63-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

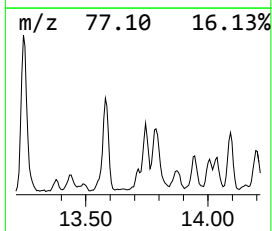
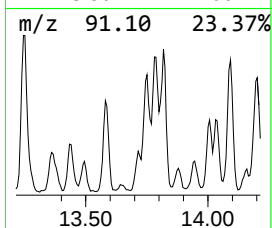
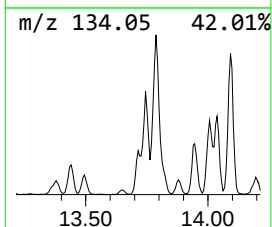
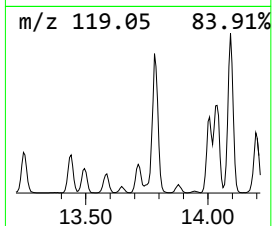
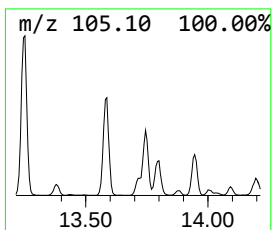
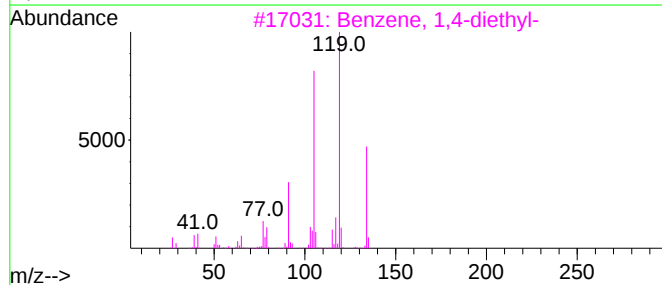
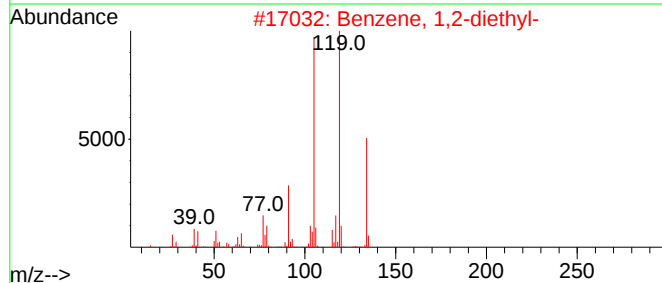
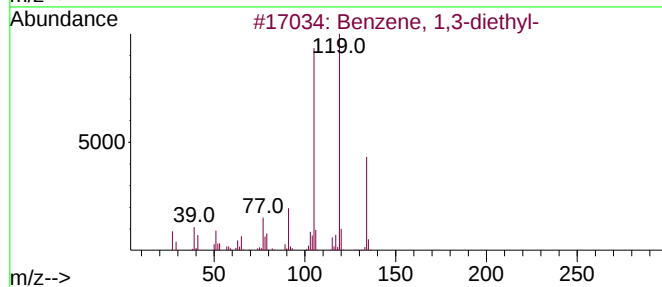
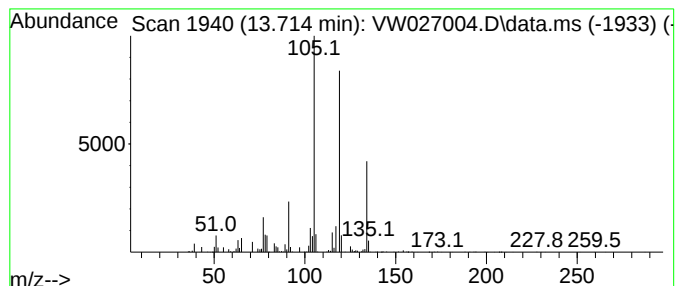
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 1,3-diethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	6.27 ug/L	379866	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

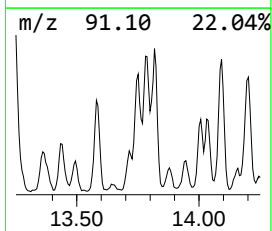
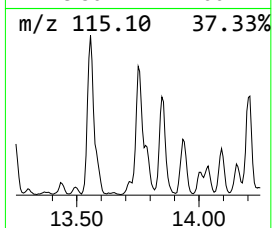
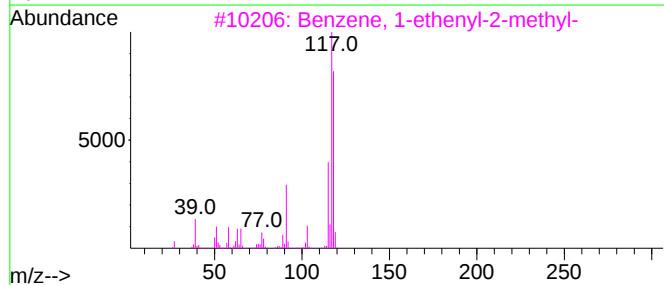
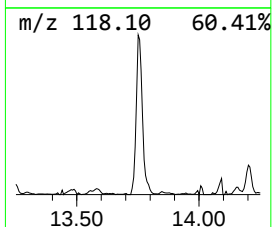
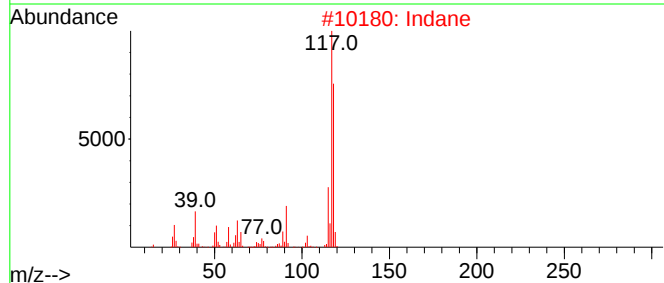
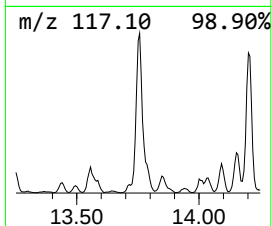
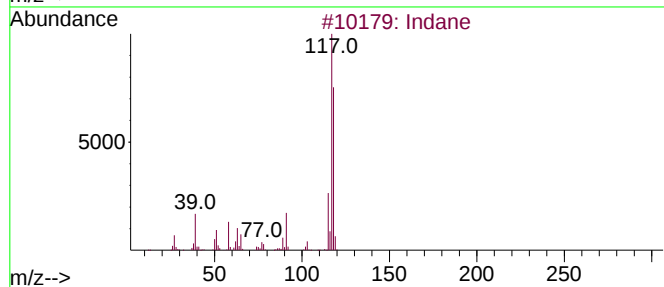
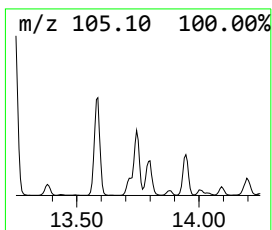
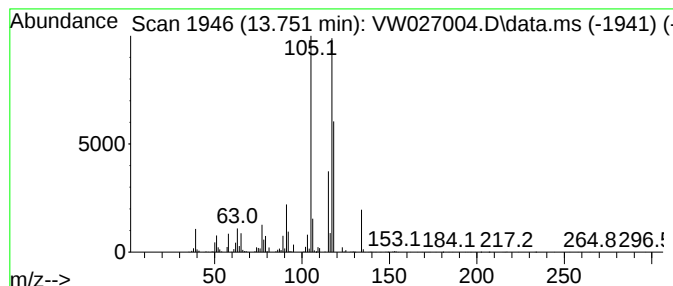
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Quant Title : SFAM01.0

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

Peak Number 33 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	21.50 ug/L	1302400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	60
2			Indane	118	C9H10	000496-11-7	60
3			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

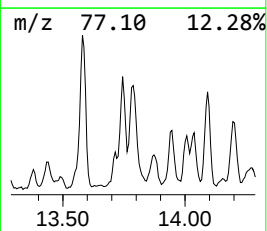
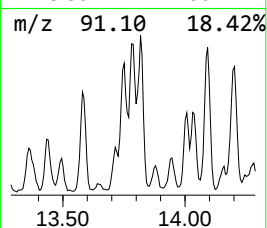
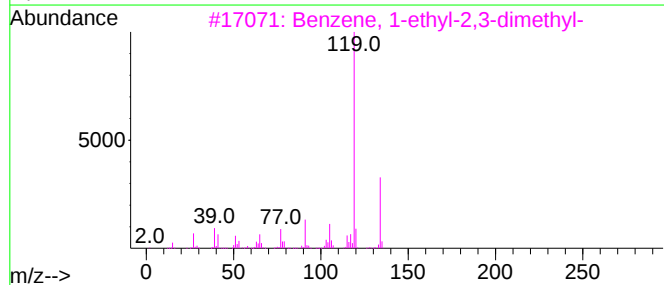
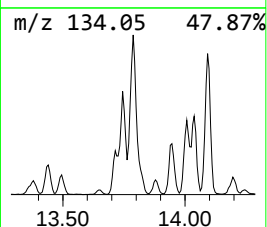
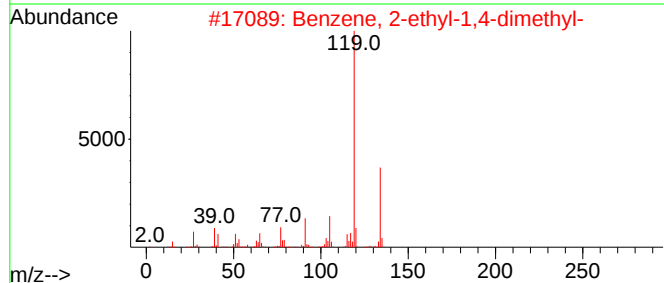
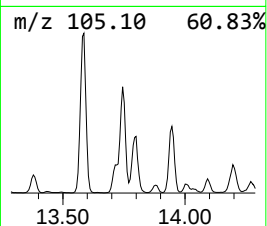
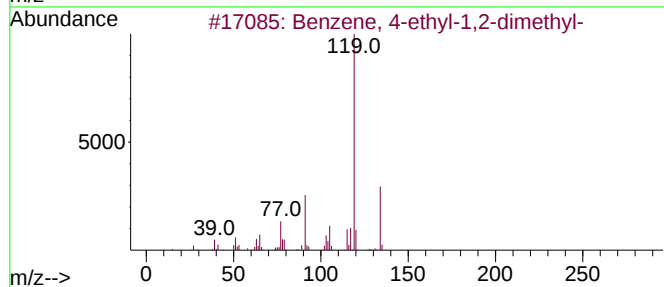
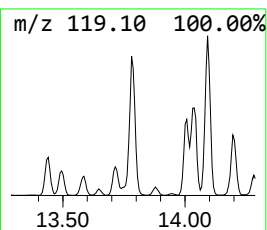
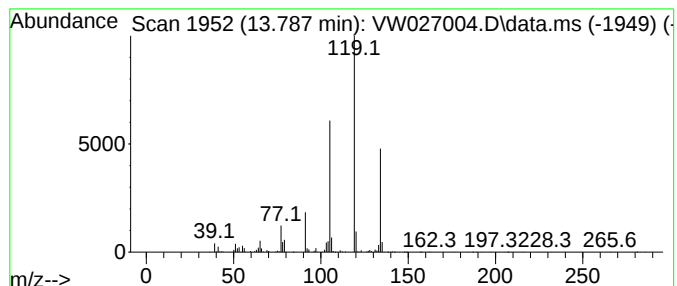
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.787	18.17 ug/L	1100730	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	91
2	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	91
4	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	90
5	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

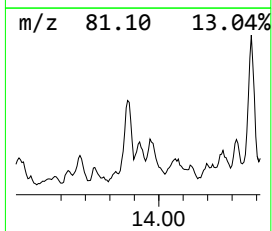
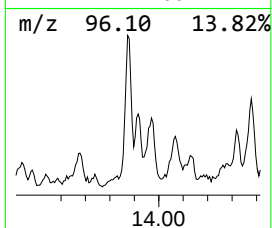
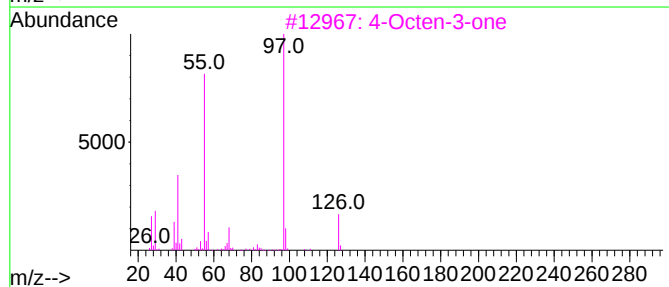
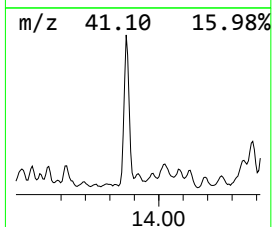
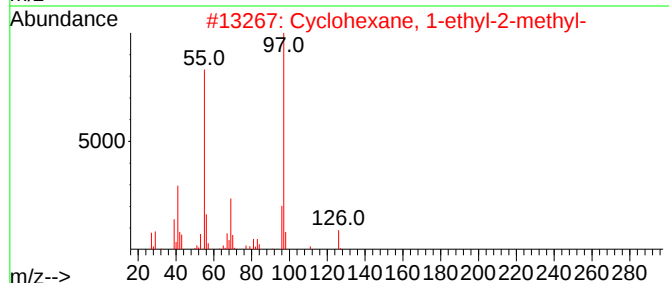
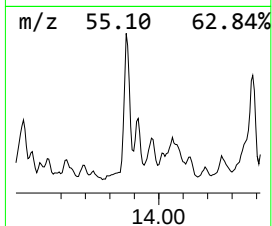
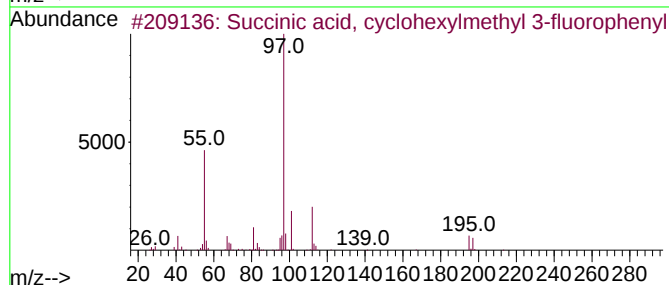
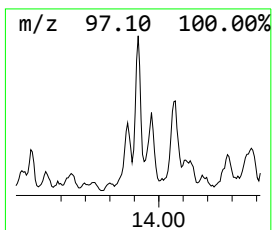
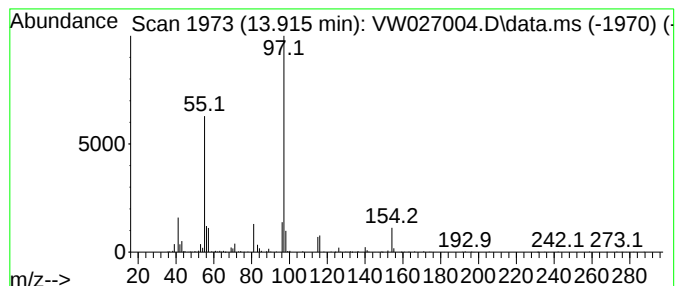
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Quant Title : SFAM01.0

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

Peak Number 35 Succinic acid, cyclohexylme... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	6.16 ug/L	373298	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, cyclohexylmethyl ...	308	C17H21F04	1000390-33-2	64
2			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
3			4-Octen-3-one	126	C8H14O	014129-48-7	59
4			Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	59
5			Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

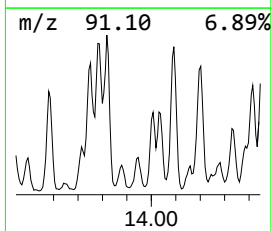
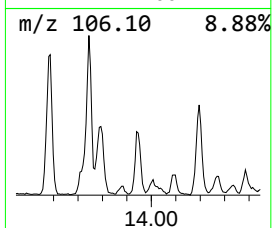
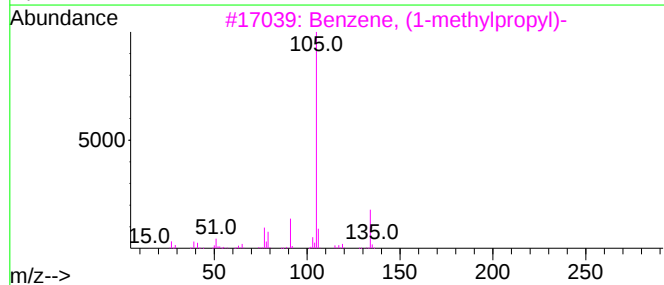
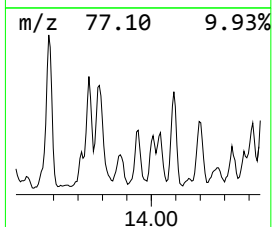
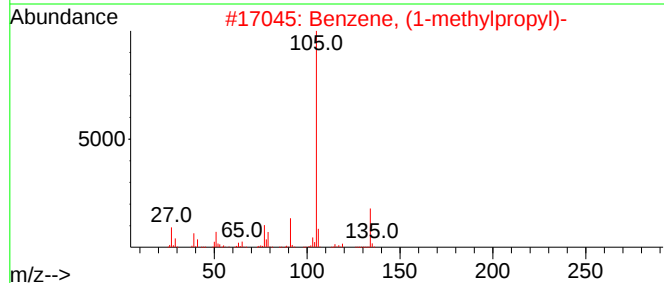
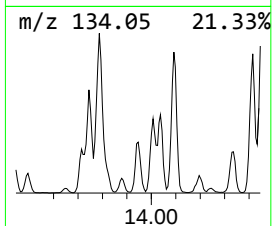
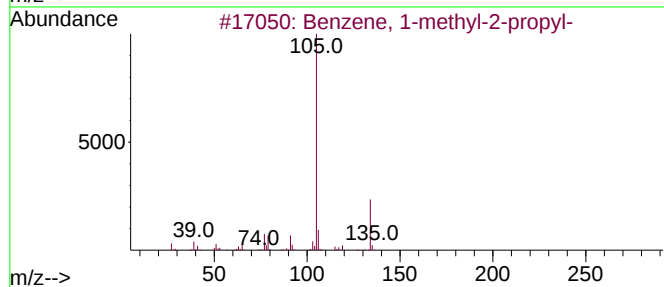
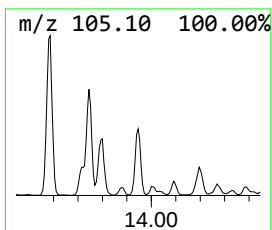
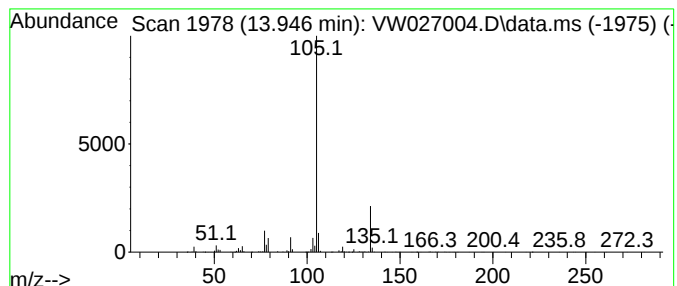
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Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1-methyl-2-propyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	8.83 ug/L	534491	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

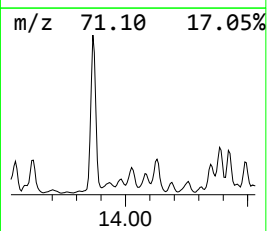
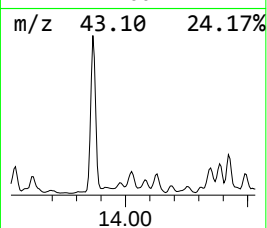
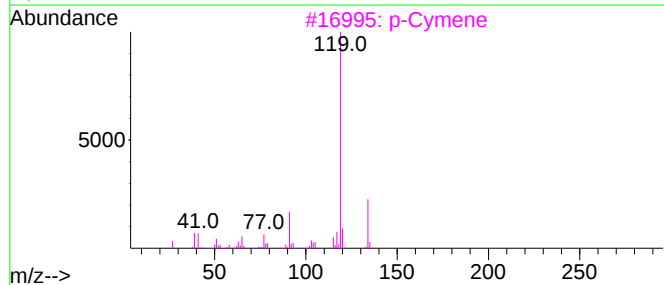
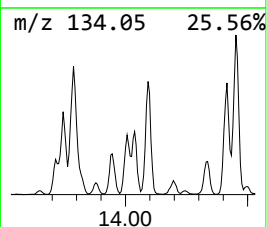
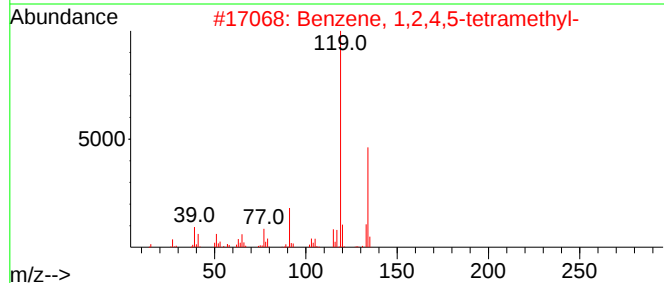
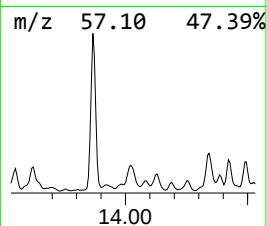
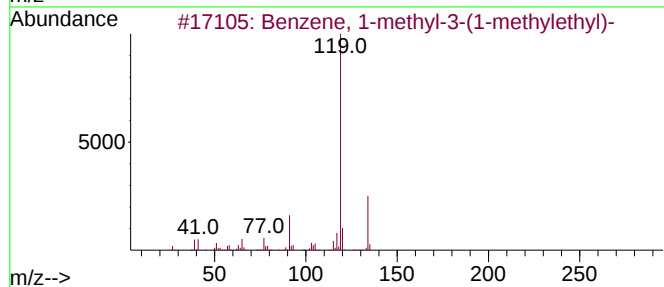
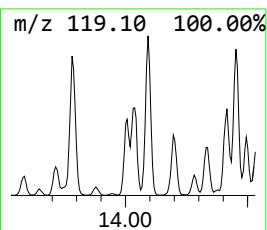
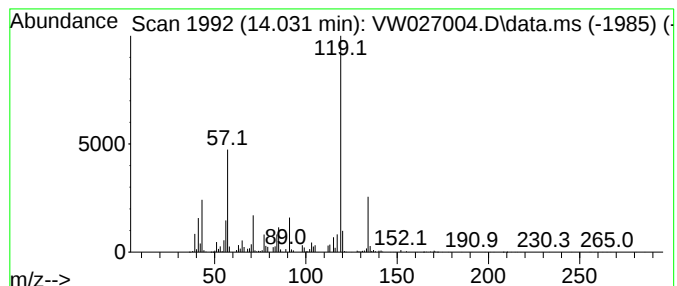
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Quant Title : SFAM01.0

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

Peak Number 37 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.031	29.18 ug/L	1767540	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
3			p-Cymene	134	C10H14	000099-87-6	81
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

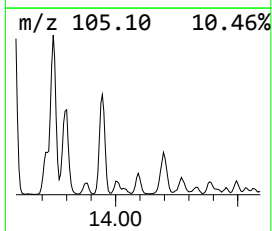
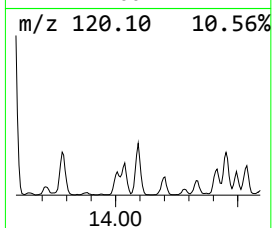
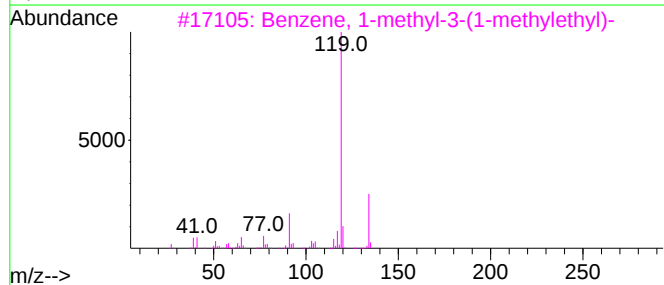
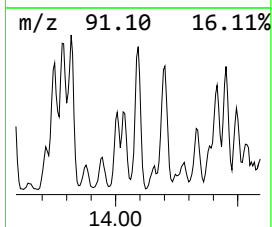
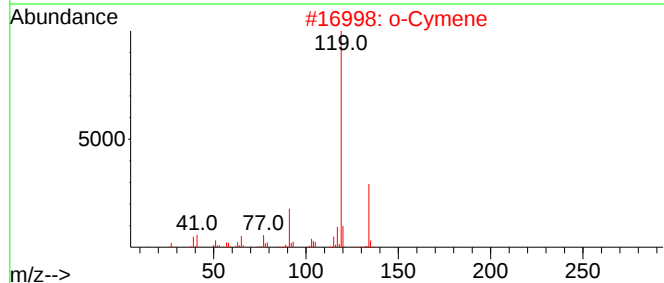
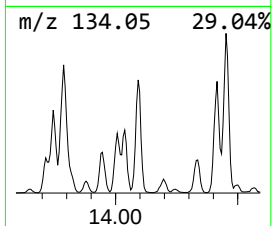
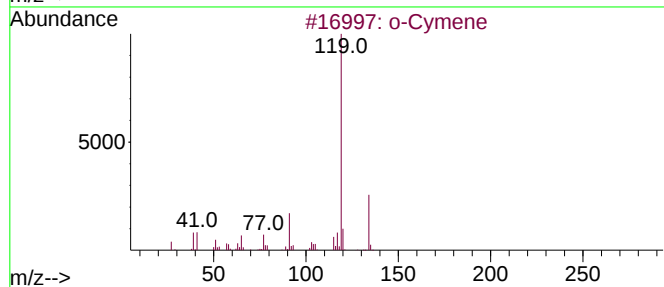
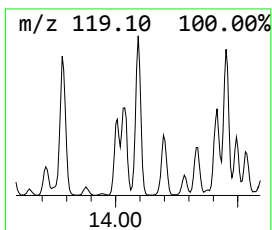
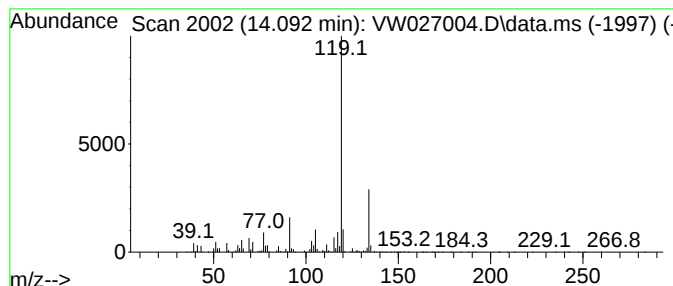
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 38 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.092	22.40 ug/L	1356920	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	95
2	o-Cymene		134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

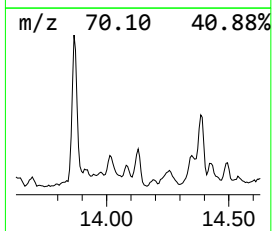
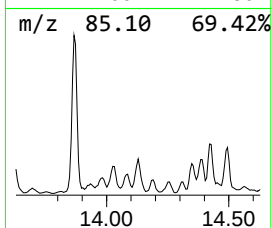
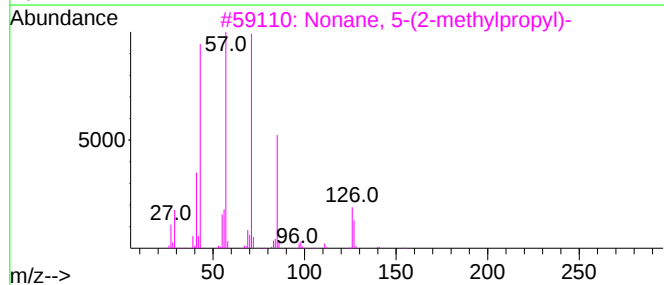
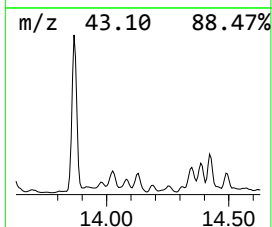
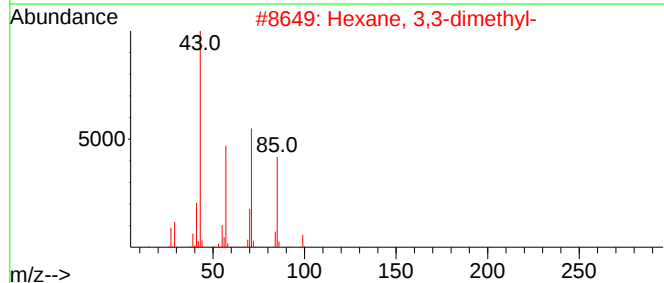
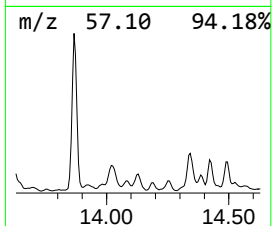
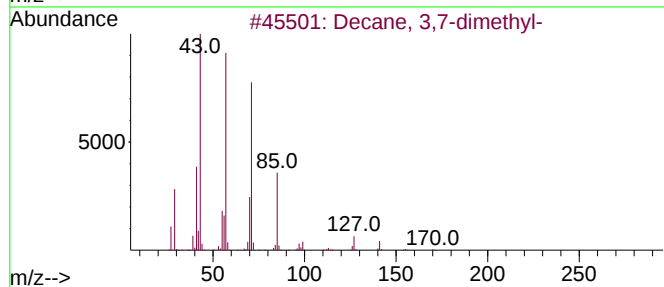
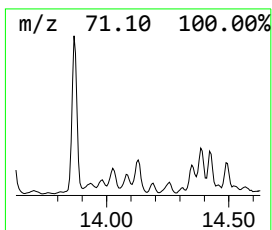
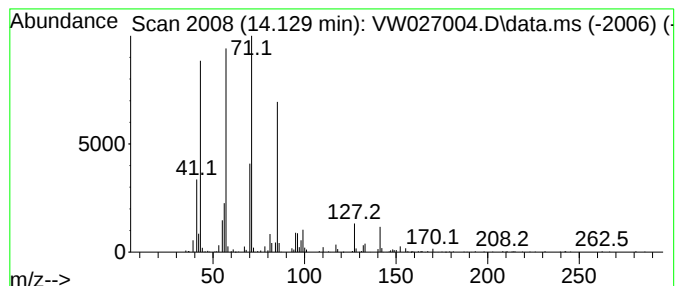
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.129	6.82 ug/L	412833	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	91
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	53
4			Undecane, 4-methyl-	170	C12H26	002980-69-0	53
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

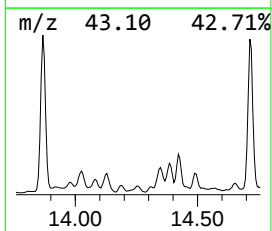
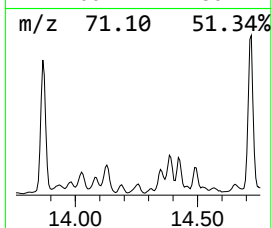
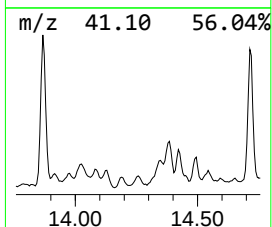
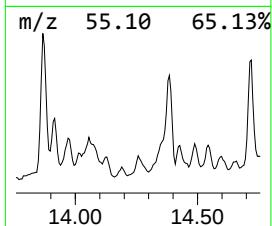
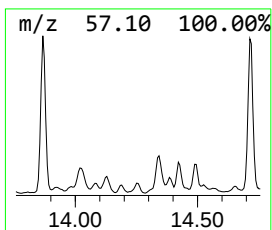
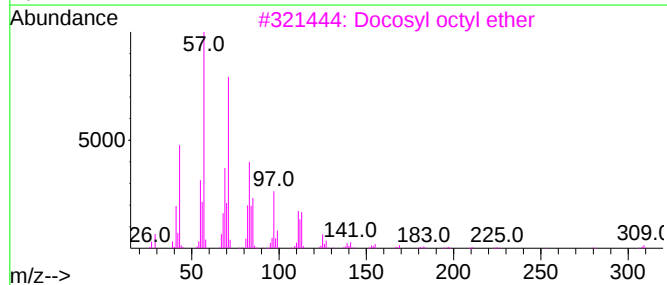
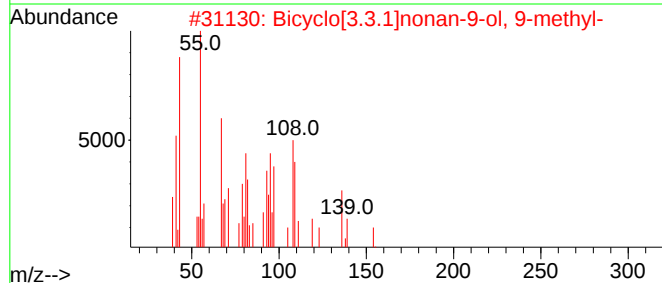
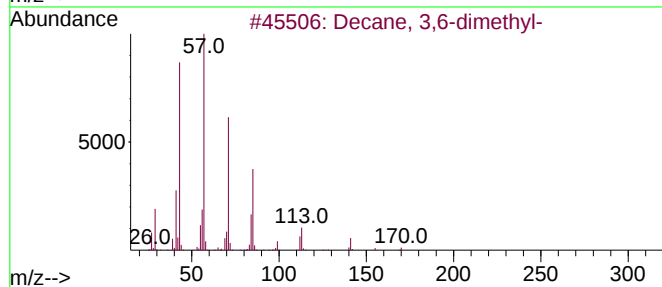
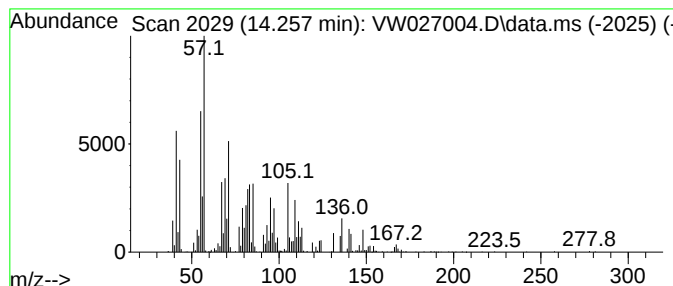
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	8.05 ug/L	487370	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	42
2			Bicyclo[3.3.1]nonan-9-ol, 9-methyl-	154	C10H18O	033832-25-6	38
3			Docosyl octyl ether	438	C30H62O	1000406-38-9	38
4			cis-Decalin, syn-2-methoxy-	168	C11H20O	1000158-93-6	38
5			Oxalic acid, cyclobutyl octadecy...	396	C24H44O4	1000309-70-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

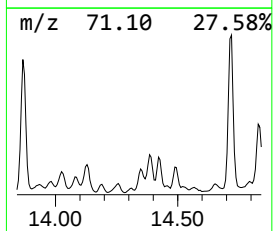
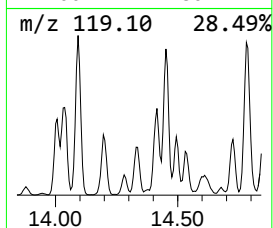
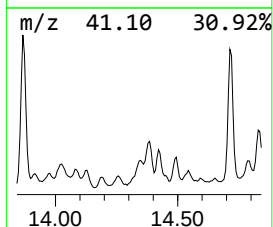
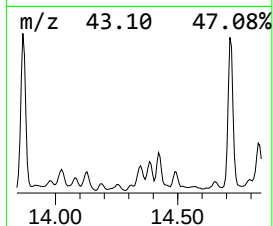
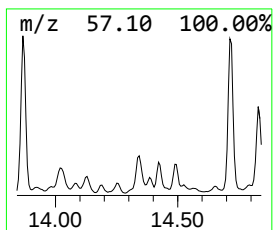
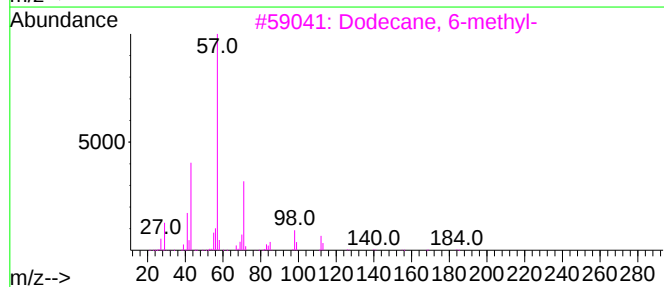
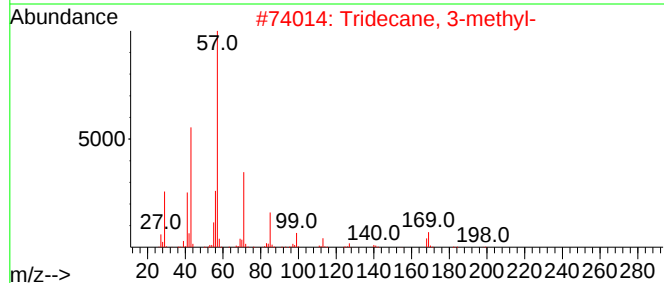
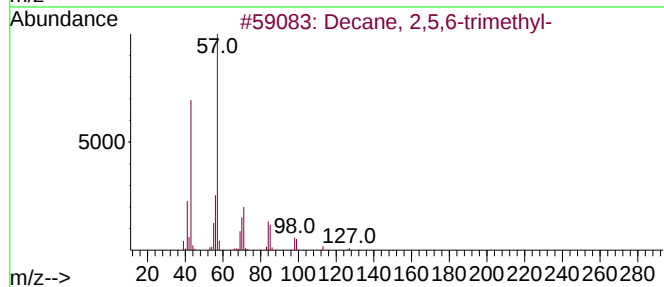
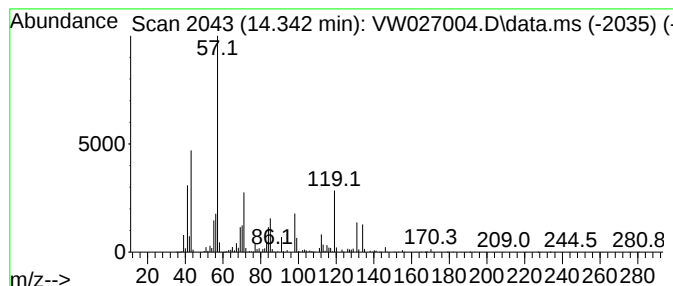
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.342	24.27 ug/L	1470050	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-		184	C13H28	062108-23-0	35
2	Tridecane, 3-methyl-		198	C14H30	006418-41-3	35
3	Dodecane, 6-methyl-		184	C13H28	006044-71-9	35
4	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	35
5	Decane, 2,5-dimethyl-		170	C12H26	017312-50-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

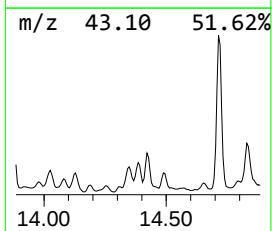
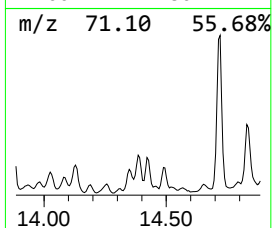
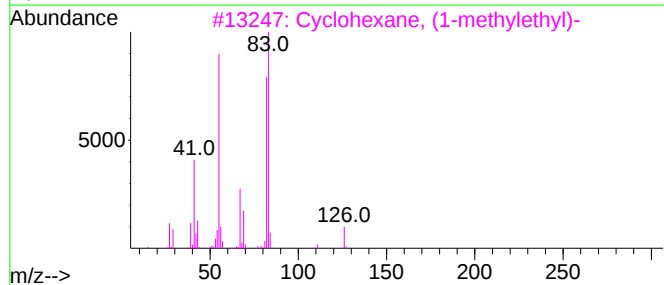
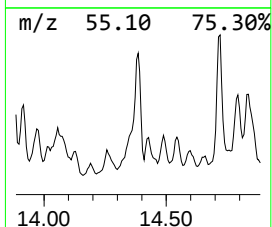
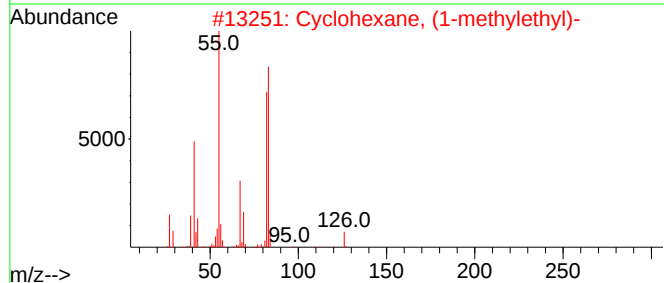
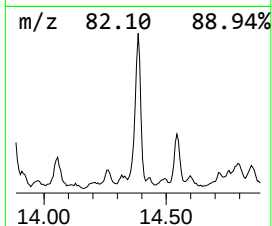
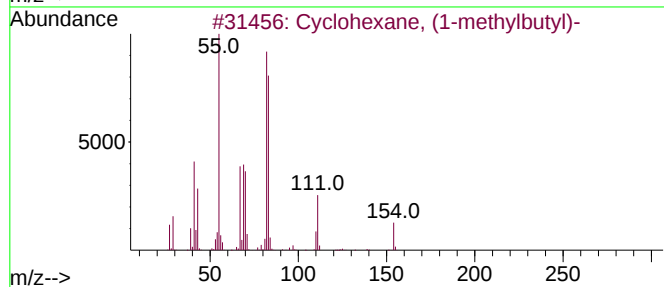
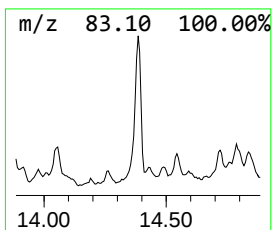
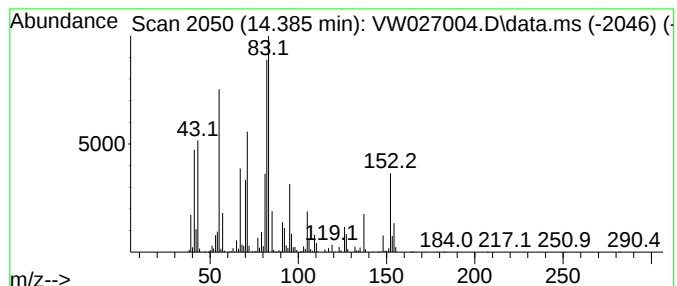
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic14.385 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	30.22 ug/L	1830130	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

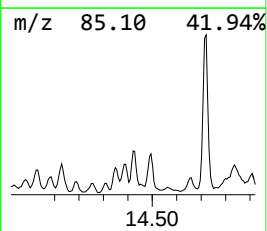
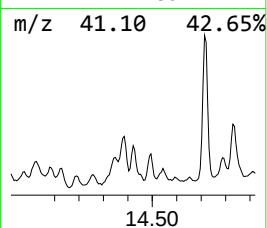
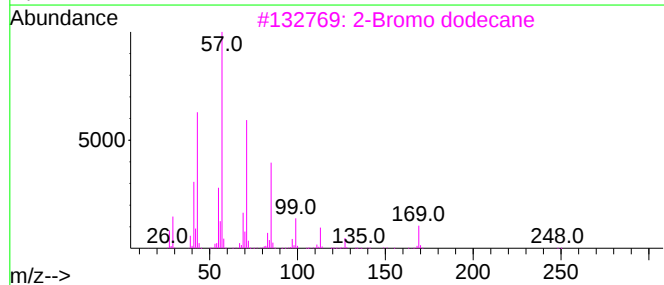
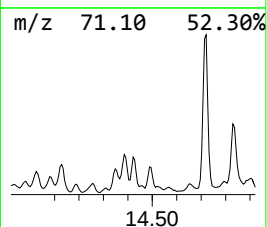
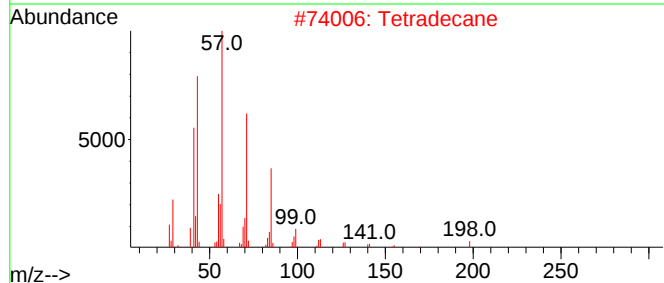
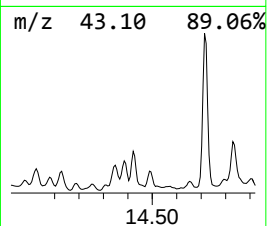
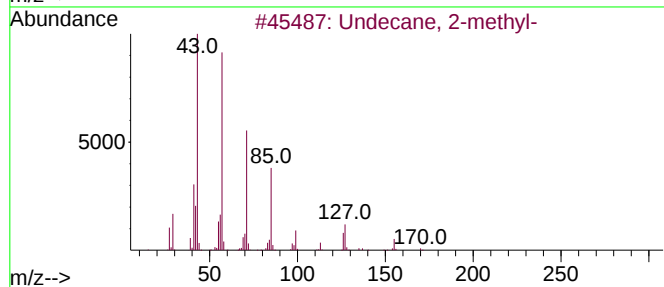
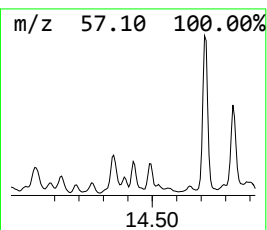
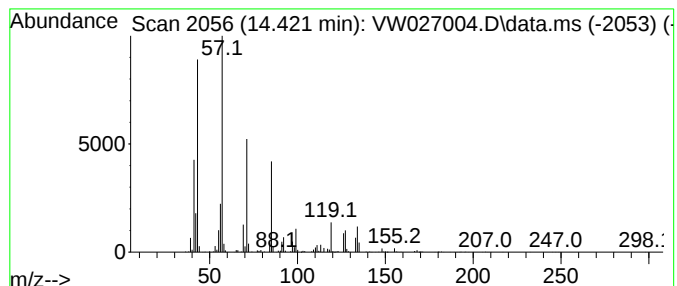
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

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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 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.422	21.44 ug/L	1298590	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	59
2	Tetradecane	198	C14H30	000629-59-4	59
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

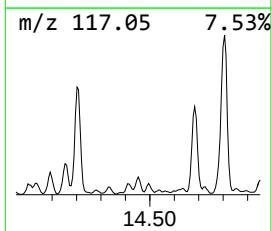
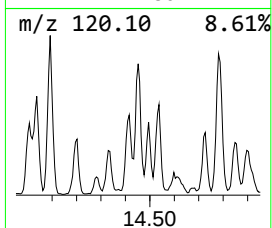
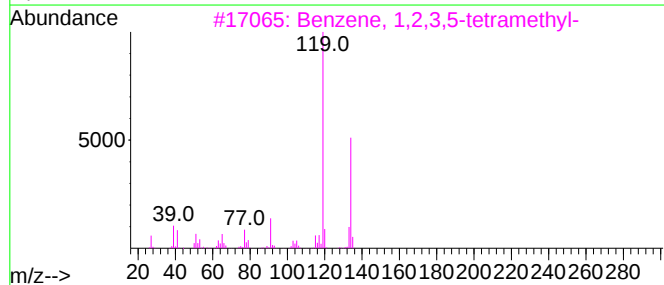
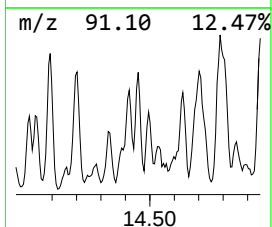
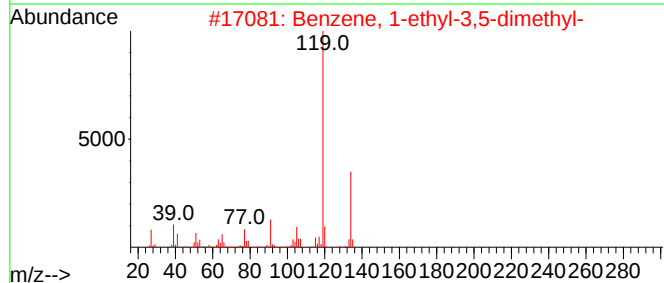
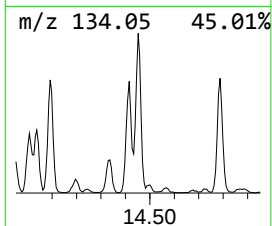
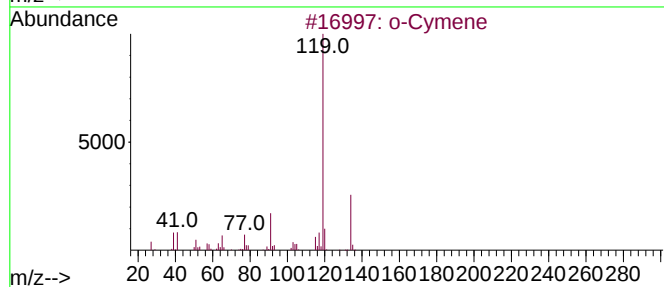
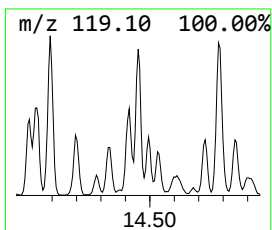
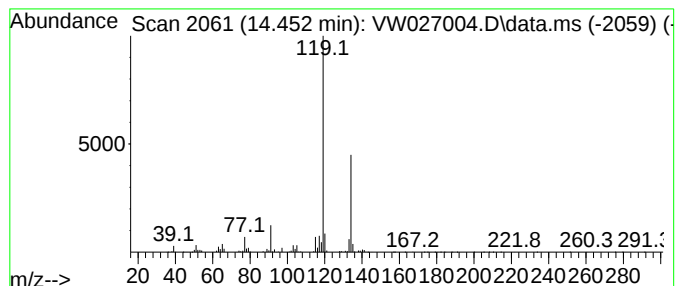
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Quant Title : SFAM01.0

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

Peak Number 45 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	10.72 ug/L	649213	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

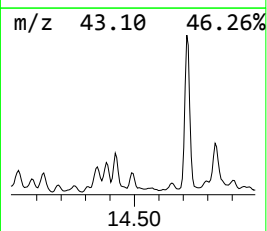
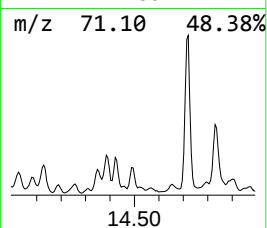
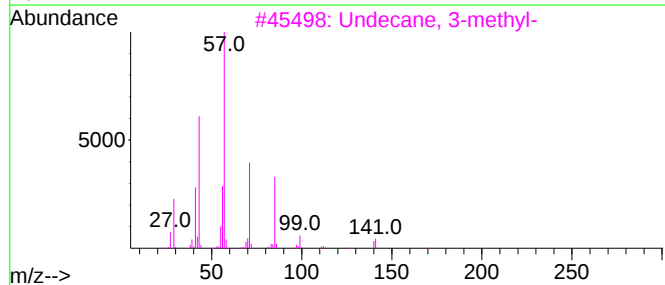
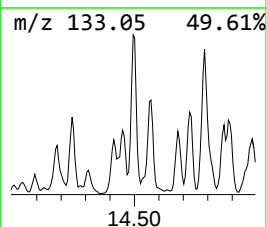
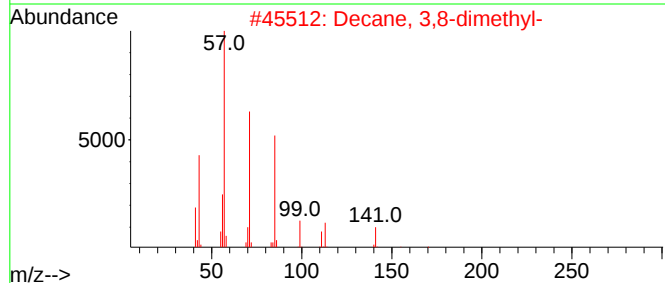
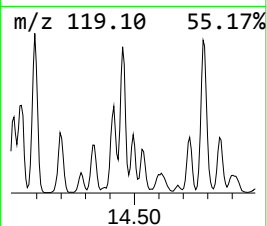
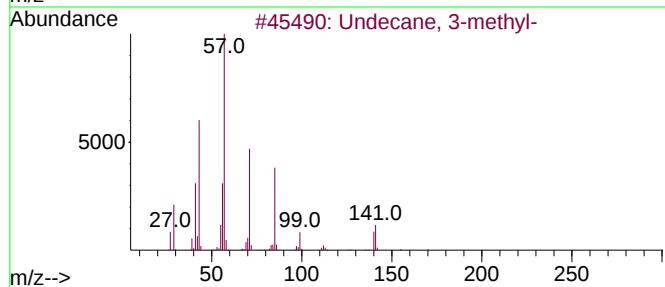
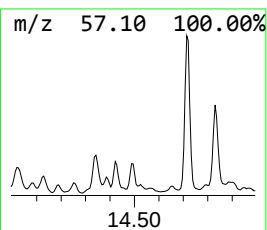
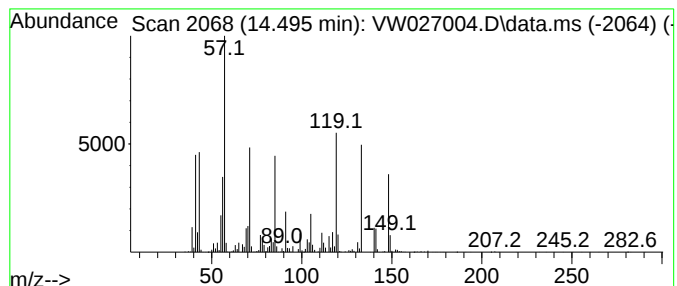
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	14.45 ug/L	875377	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	87
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	43
4			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	35
5			9-methylheptadecane	254	C18H38	026741-18-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

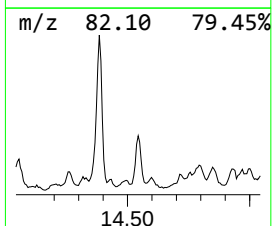
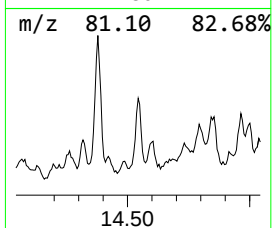
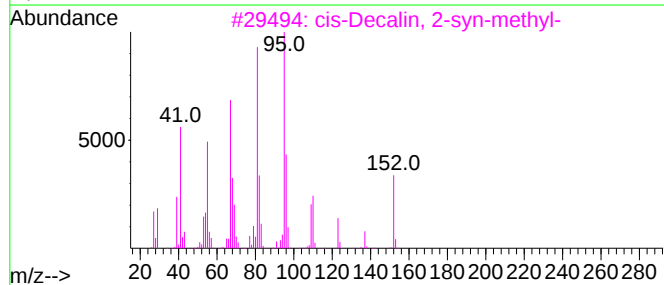
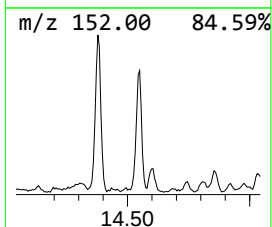
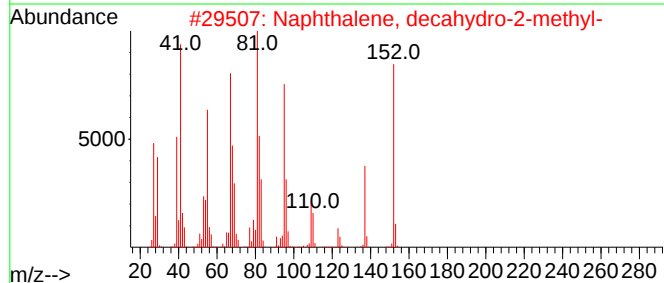
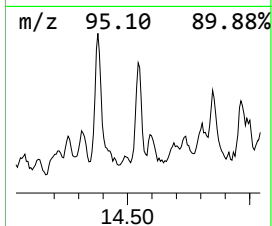
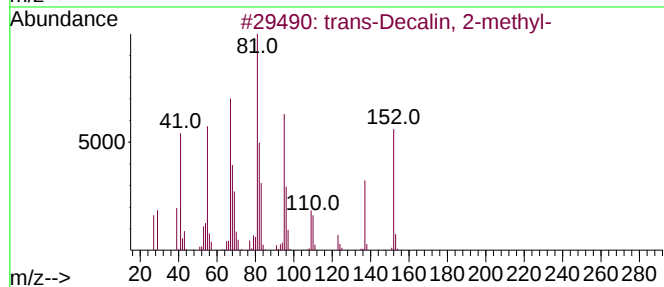
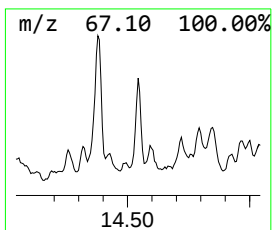
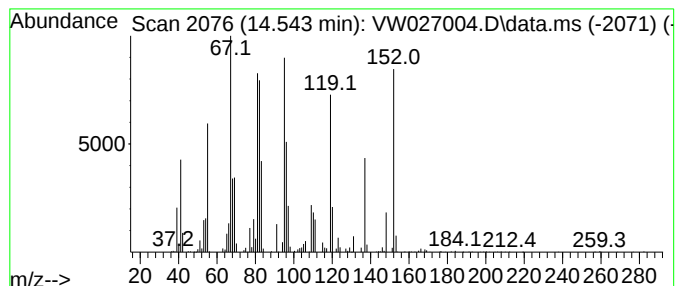
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Quant Title : SFAM01.0

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

Peak Number 47 trans-Decalin, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	11.51 ug/L	697042	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

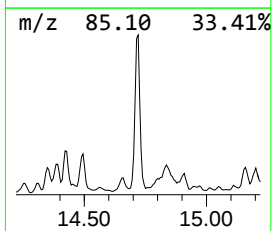
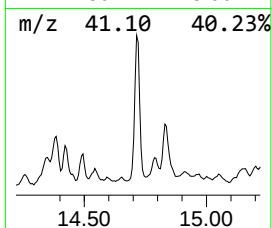
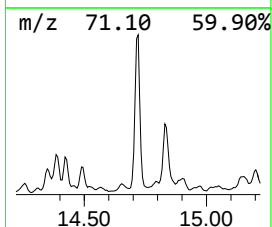
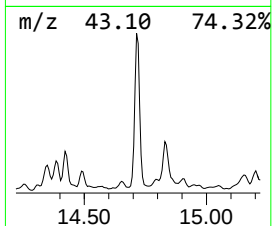
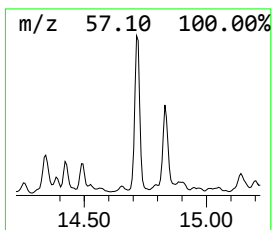
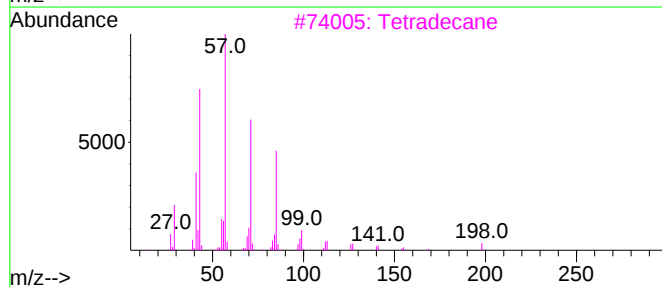
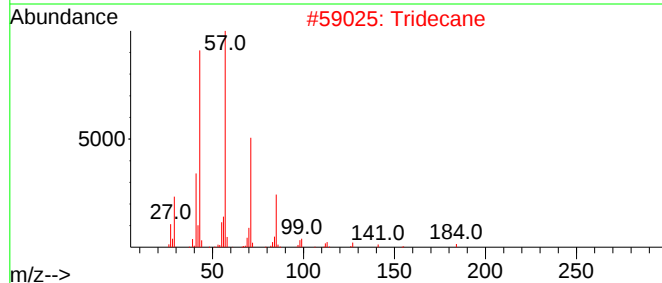
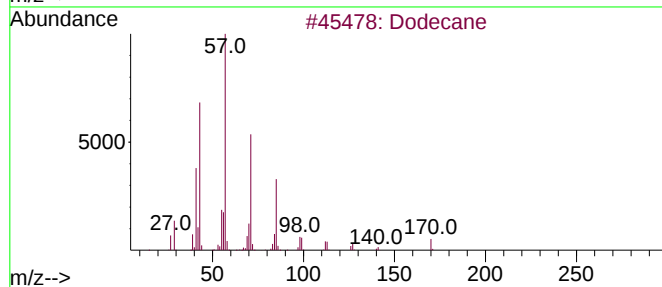
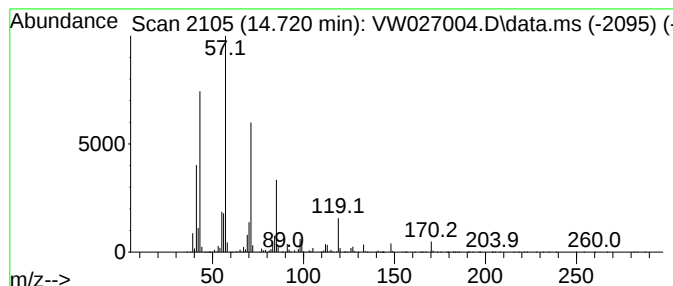
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	73.72 ug/L	4464550	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	95
2			Tridecane	184	C13H28	000629-50-5	72
3			Tetradecane	198	C14H30	000629-59-4	72
4			Dodecane	170	C12H26	000112-40-3	72
5			Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

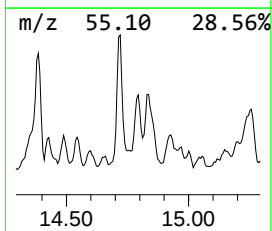
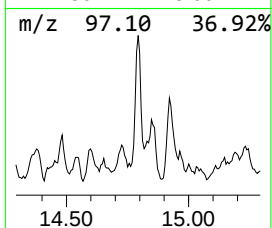
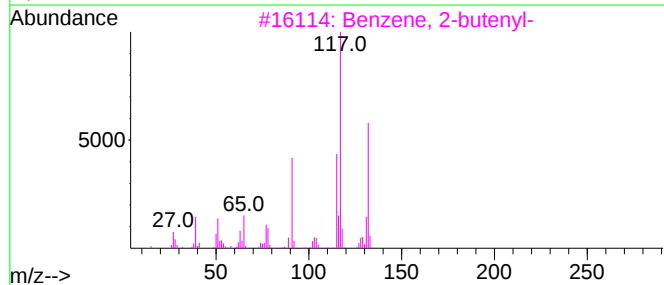
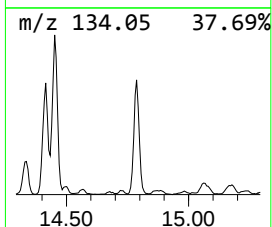
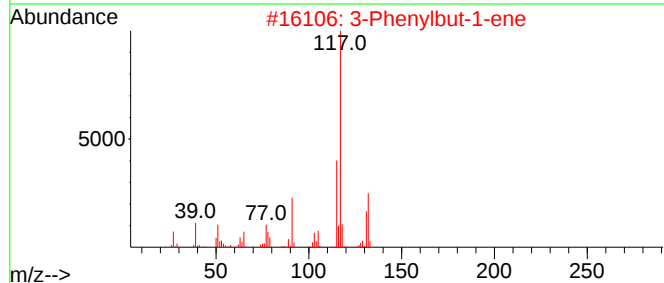
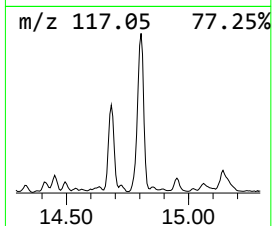
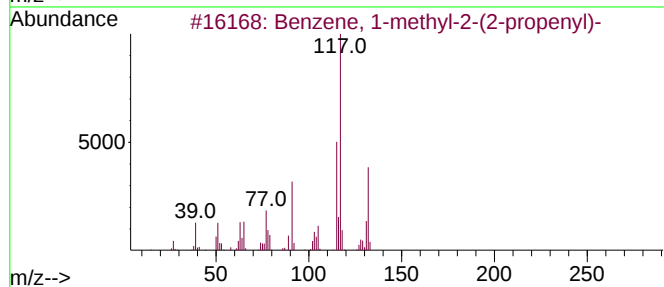
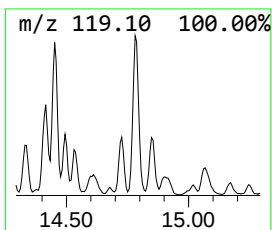
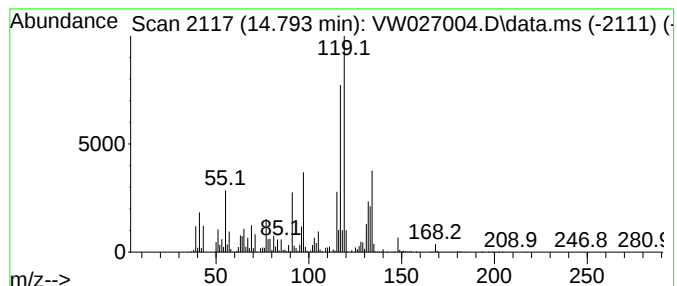
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	46.39 ug/L	2809740	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	84
2			3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3			Benzene, 2-butenyl-	132	C10H12	001560-06-1	52
4			Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	46
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

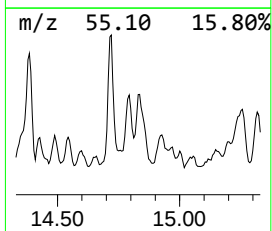
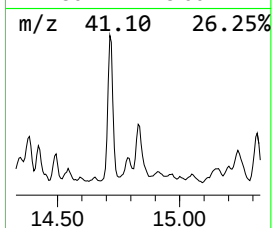
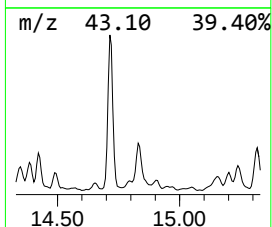
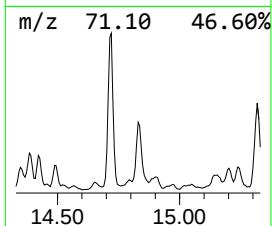
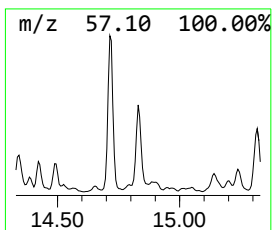
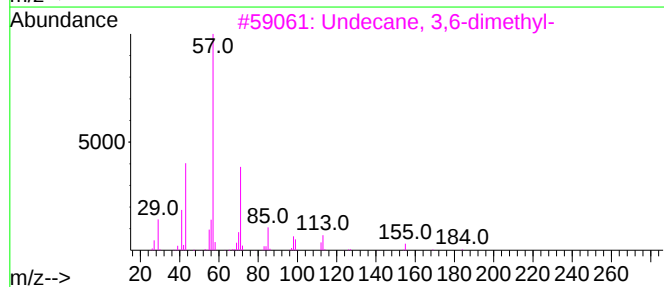
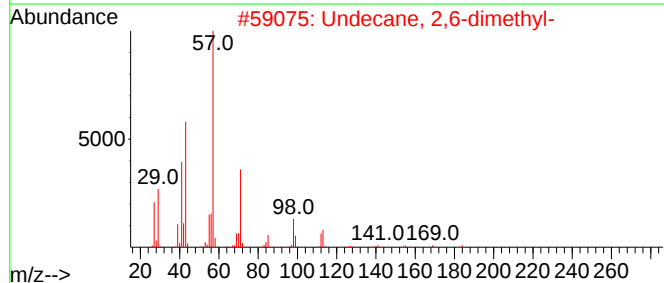
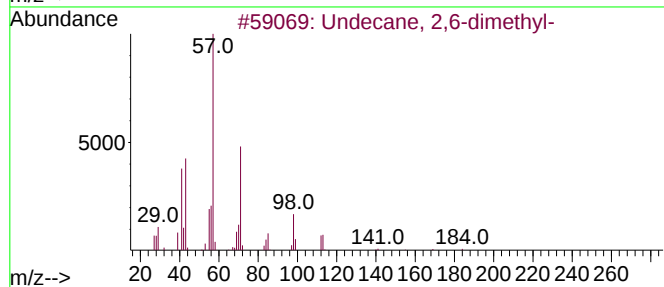
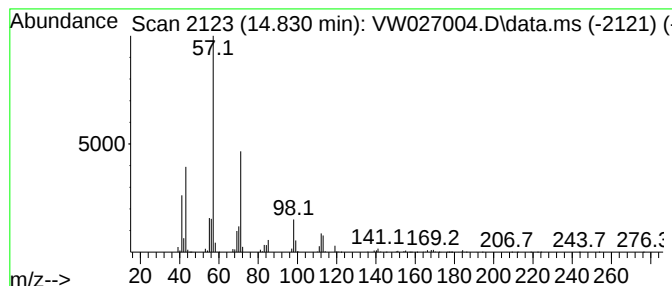
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.830	33.85 ug/L	2050330	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	93
2	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	93
3	Undecane, 3,6-dimethyl-		184	C13H28	017301-28-9	87
4	Dodecane, 6-methyl-		184	C13H28	006044-71-9	81
5	Decane, 2,6,8-trimethyl-		184	C13H28	062108-26-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

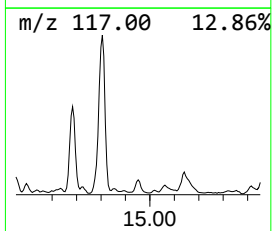
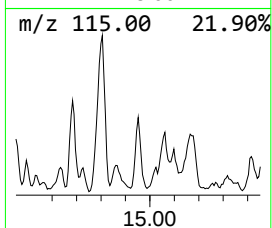
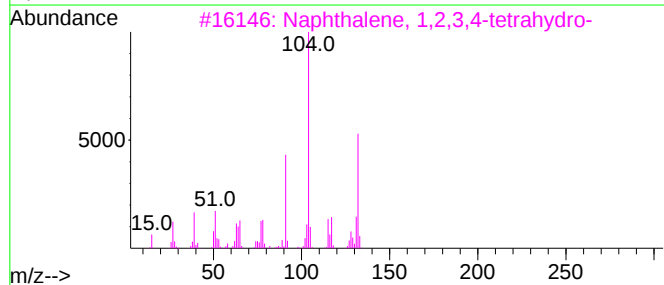
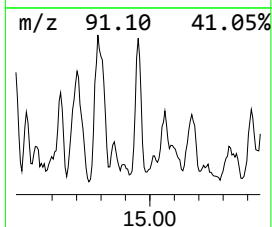
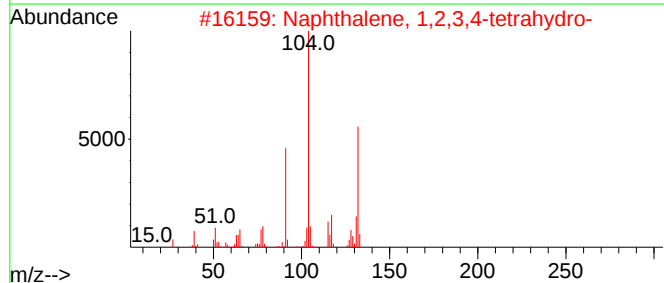
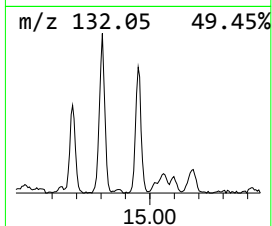
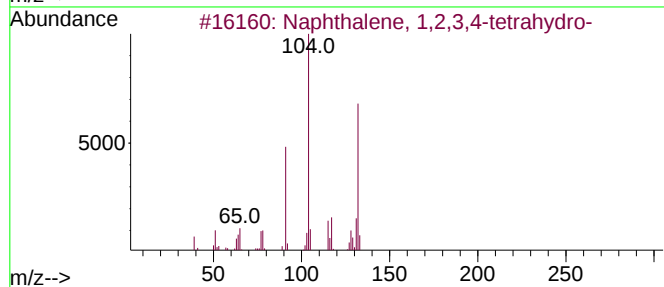
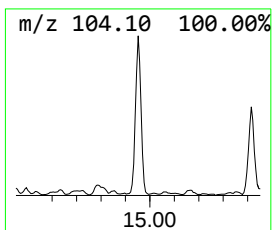
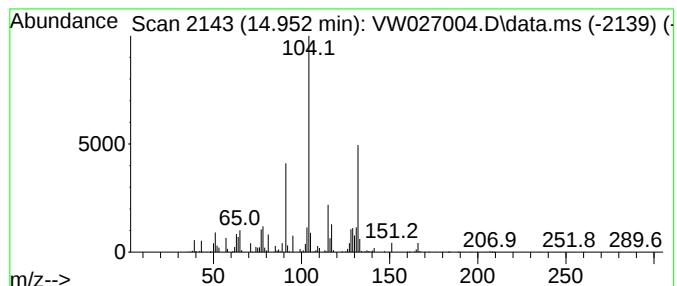
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Quant Title : SFAM01.0

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

Peak Number 52 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	13.91 ug/L	842461	1,4-Dichlorobenzene-d4	13.556

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

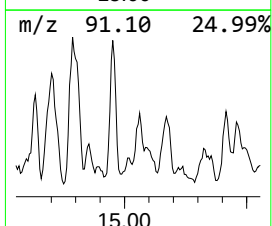
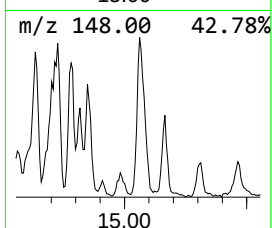
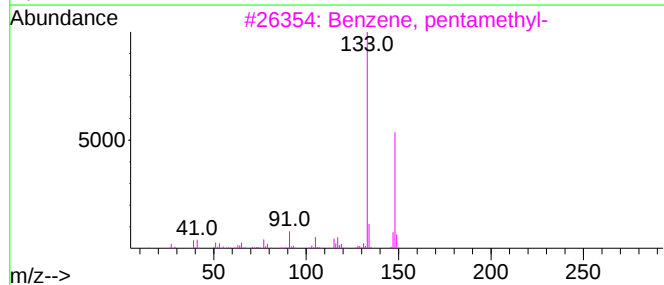
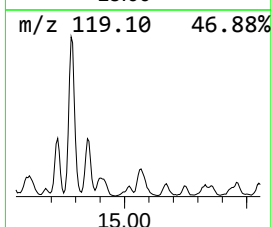
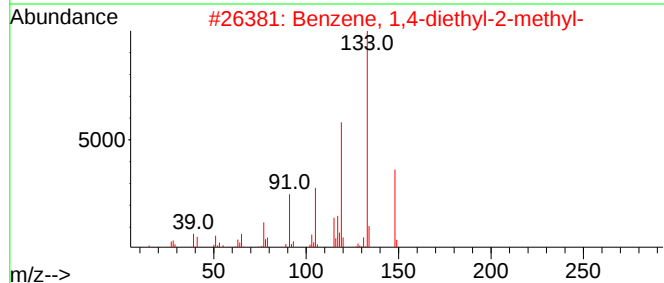
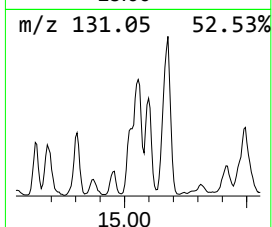
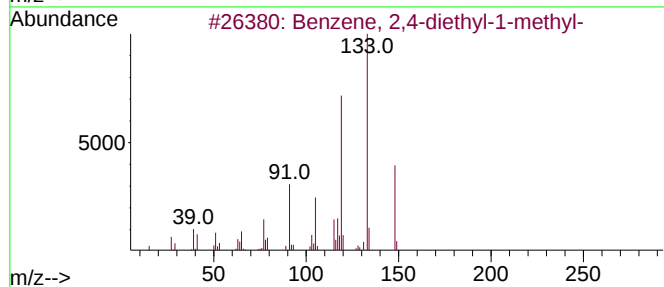
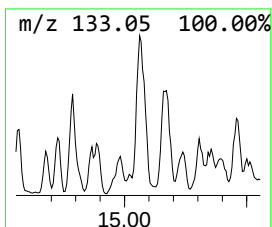
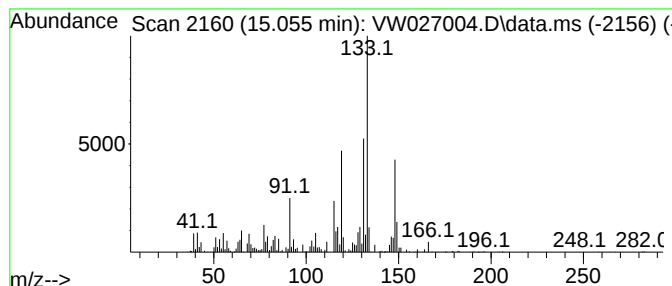
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Quant Title : SFAM01.0

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

Peak Number 53 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	9.12 ug/L	552129	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
2			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	49
4			3,4-Dimethylcumene	148	C11H16	1000370-34-1	49
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

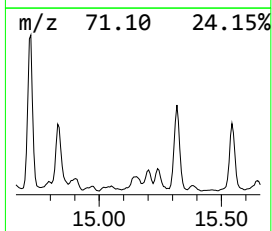
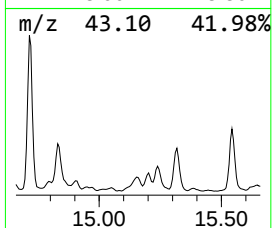
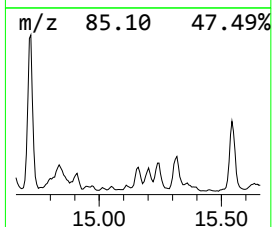
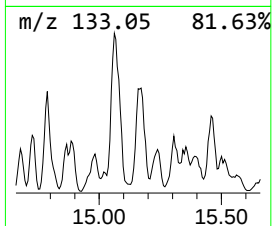
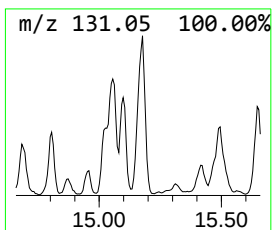
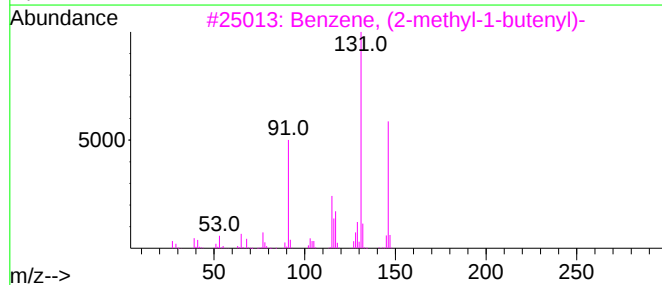
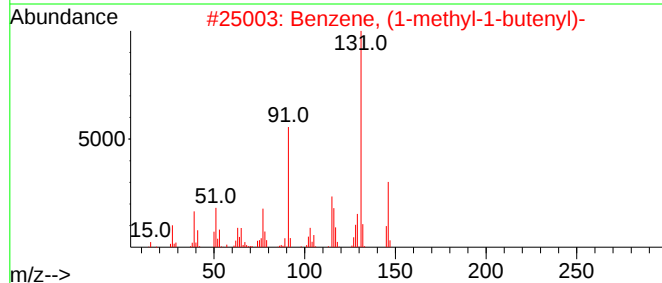
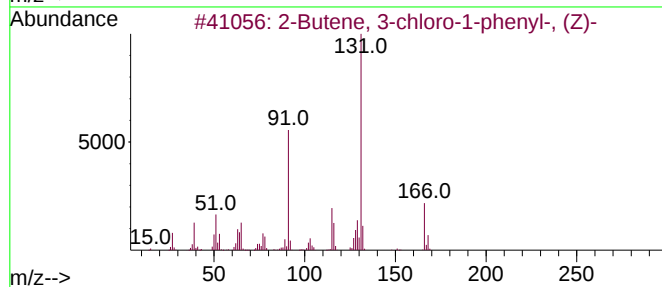
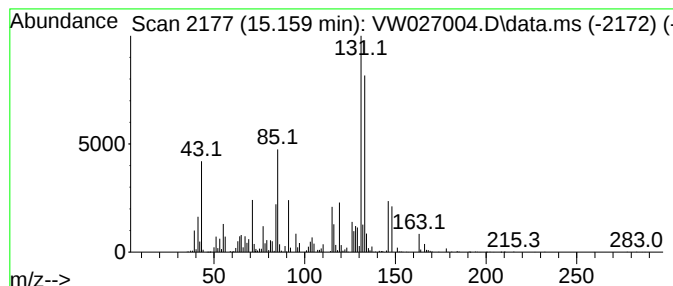
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Quant Title : SFAM01.0

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

Peak Number 54 2-Butene, 3-chloro-1-phenyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.159	18.75 ug/L	1135620	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	52
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	42
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

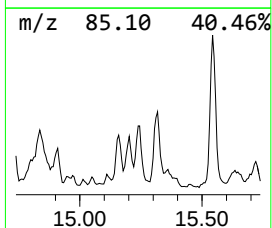
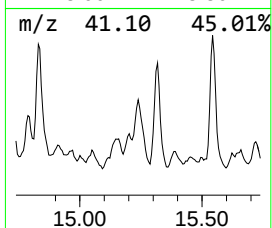
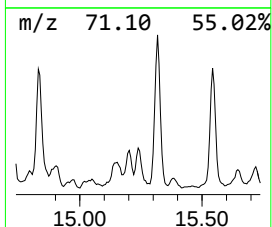
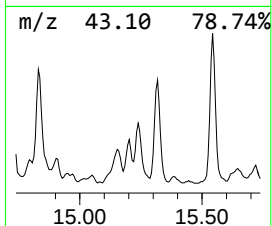
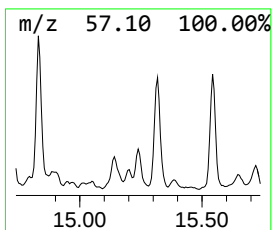
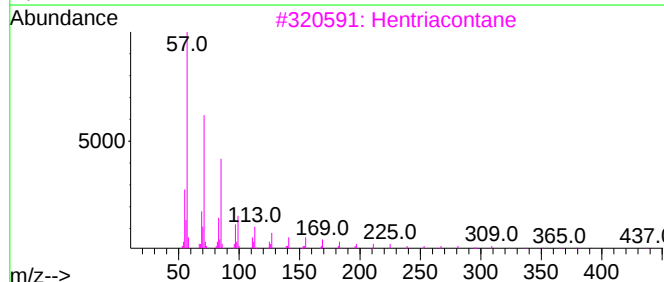
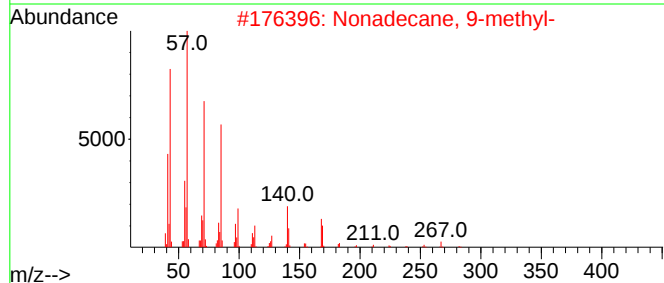
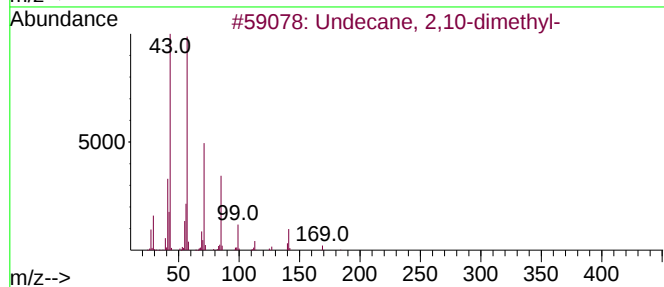
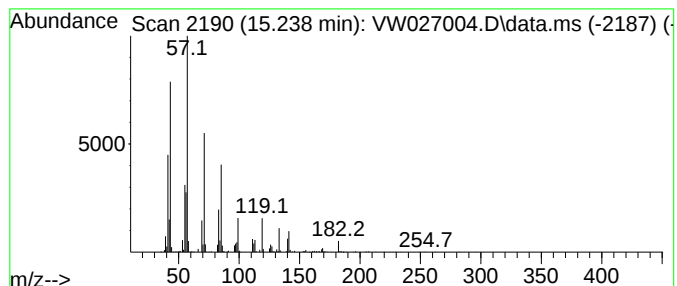
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

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Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.238	21.12 ug/L	1278830	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-		184	C13H28	017301-27-8	76
2	Nonadecane, 9-methyl-		282	C20H42	013287-24-6	60
3	Hentriacontane		437	C31H64	000630-04-6	59
4	Tetratetracontane		619	C44H90	007098-22-8	59
5	Eicosane, 10-methyl-		296	C21H44	054833-23-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

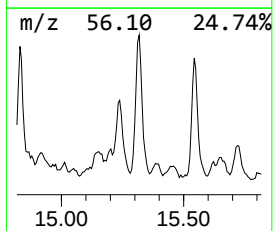
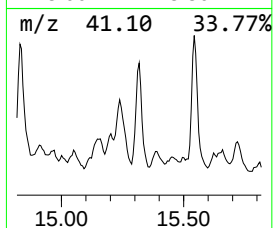
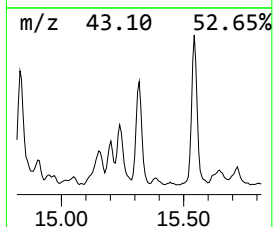
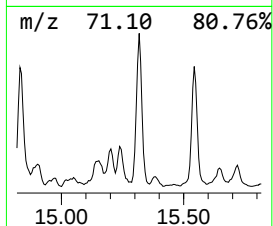
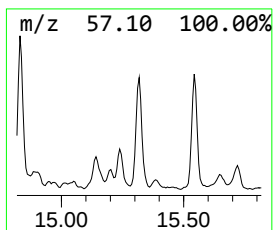
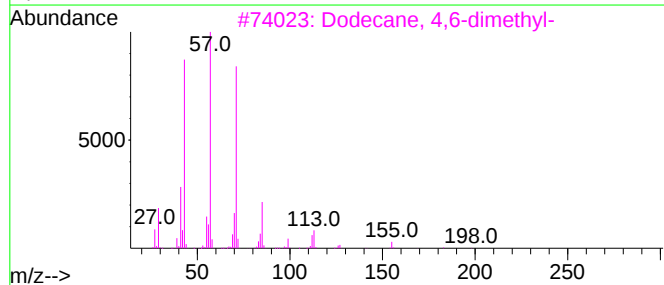
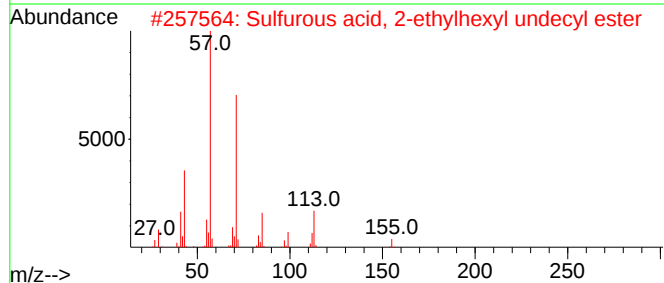
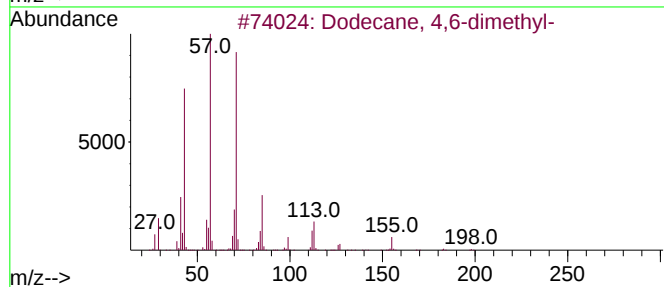
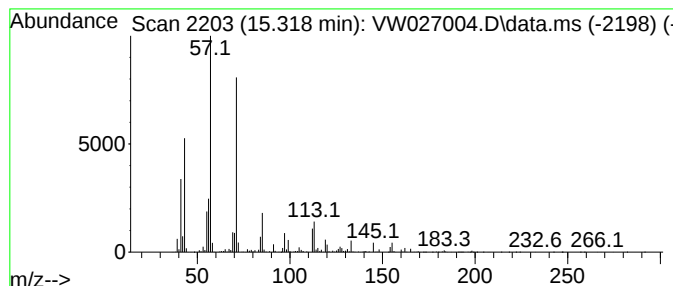
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Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	27.94 ug/L	1692270	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
2			Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

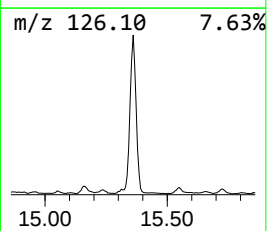
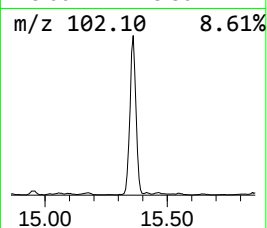
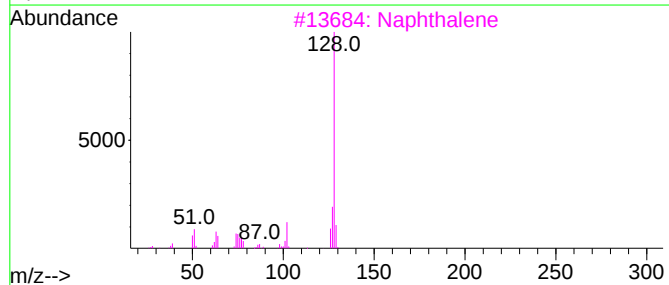
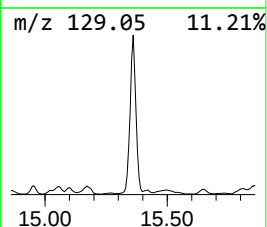
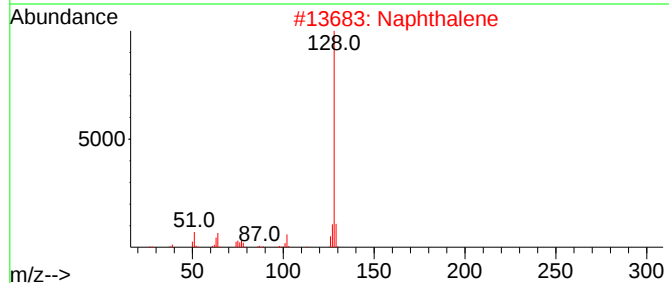
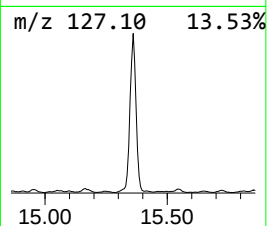
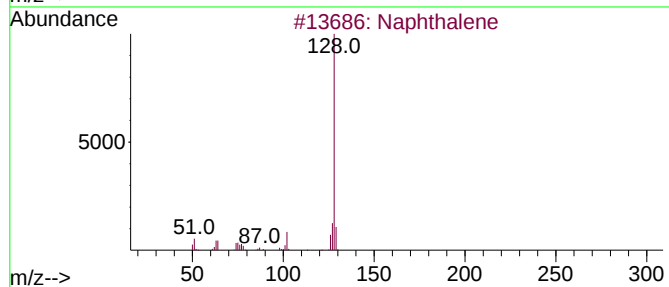
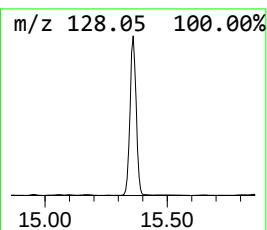
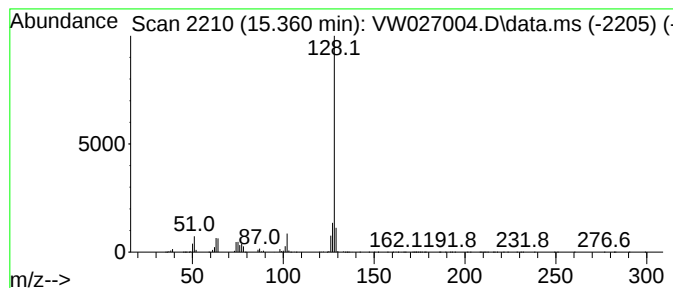
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Quant Title : SFAM01.0

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

Peak Number 57 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	113.46 ug/L	6871500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	94
3			Naphthalene	128	C10H8	000091-20-3	94
4			Azulene	128	C10H8	000275-51-4	91
5			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

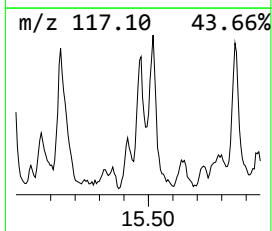
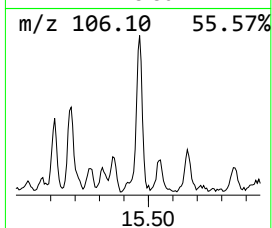
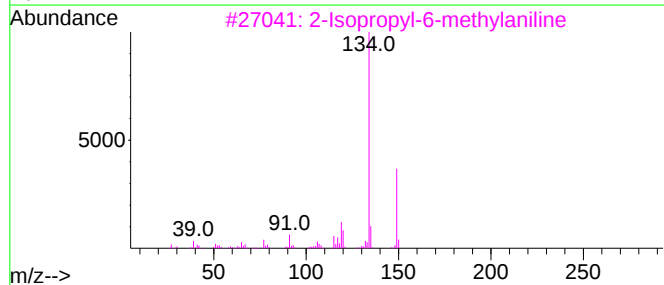
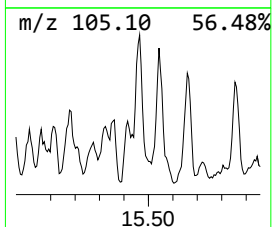
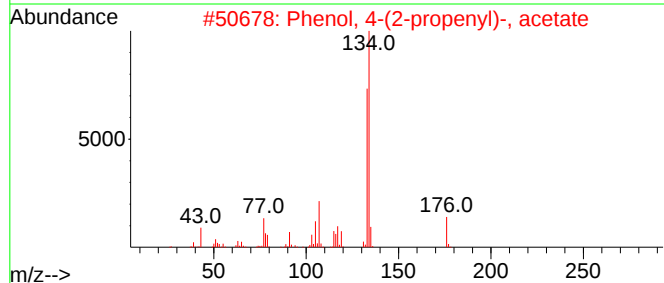
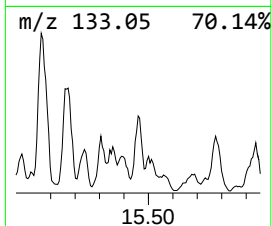
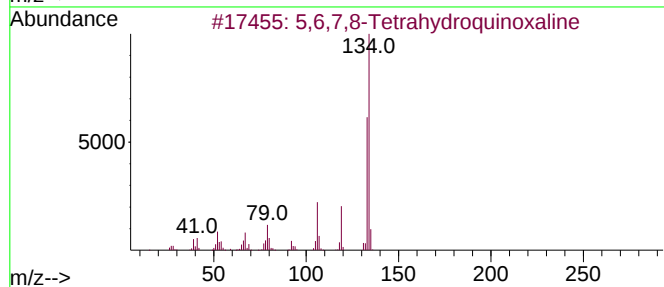
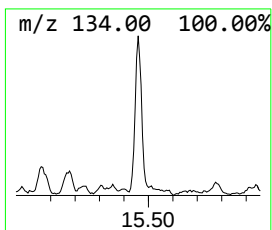
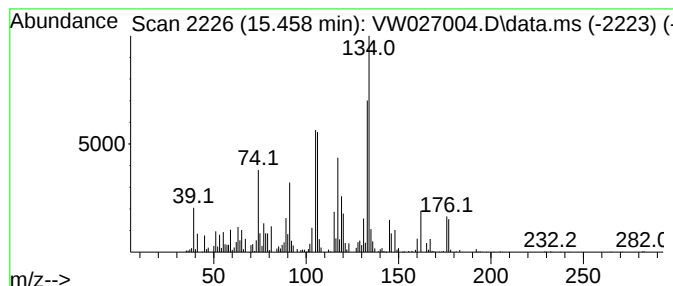
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Quant Title : SFAM01.0

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

Peak Number 58 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.458	6.90 ug/L	417935	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	46
2			Phenol, 4-(2-propenyl)-, acetate	176	C11H12O2	061499-22-7	43
3			2-Isopropyl-6-methylaniline	149	C10H15N	005266-85-3	38
4			Benzaldehyde, 2,5-dimethyl-	134	C9H10O	005779-94-2	38
5			Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

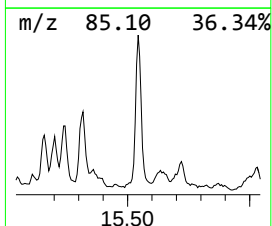
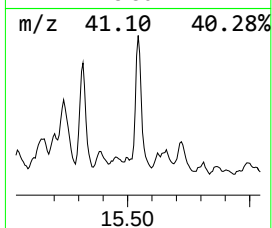
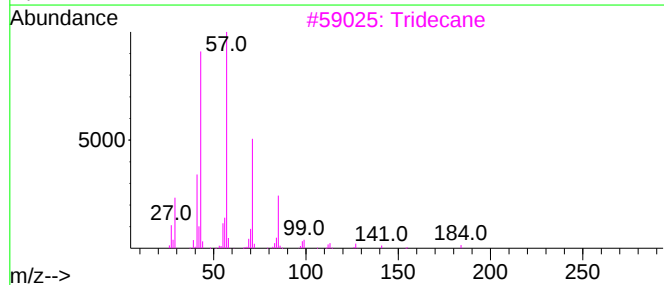
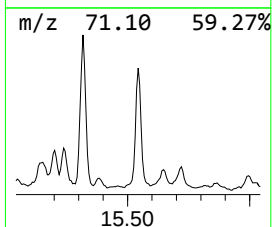
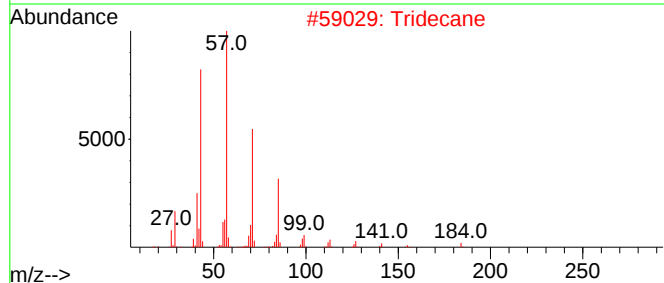
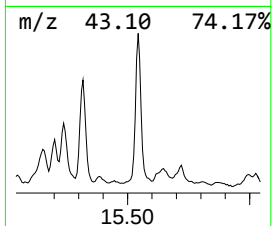
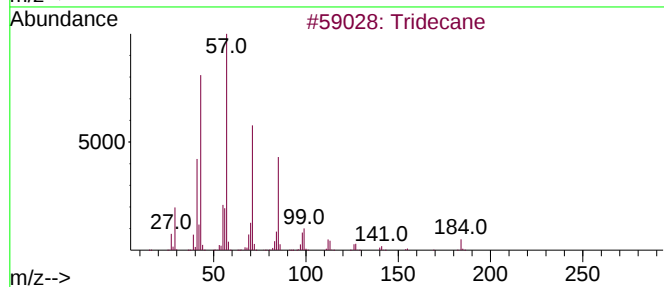
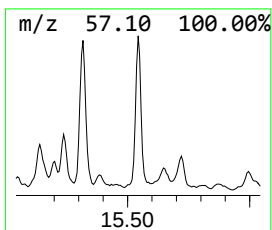
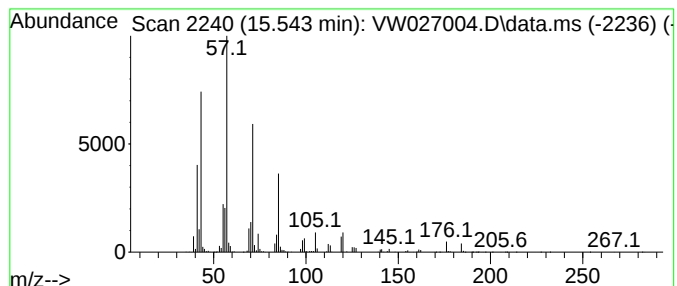
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Quant Title : SFAM01.0

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	39.89 ug/L	2415940	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	89
2		Tridecane	184	C13H28	000629-50-5	70
3		Tridecane	184	C13H28	000629-50-5	70
4		Hexadecane	226	C16H34	000544-76-3	64
5		Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

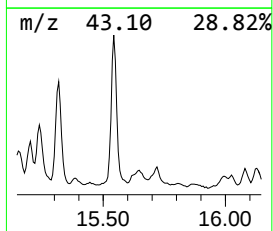
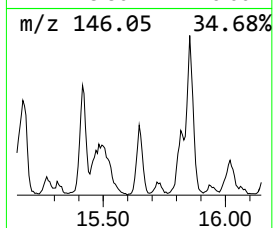
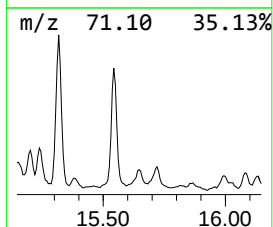
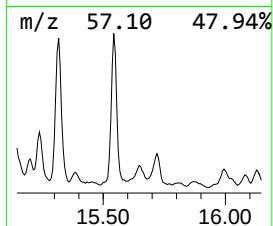
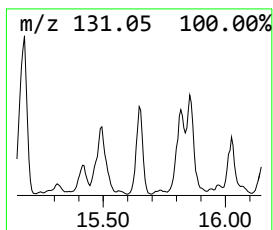
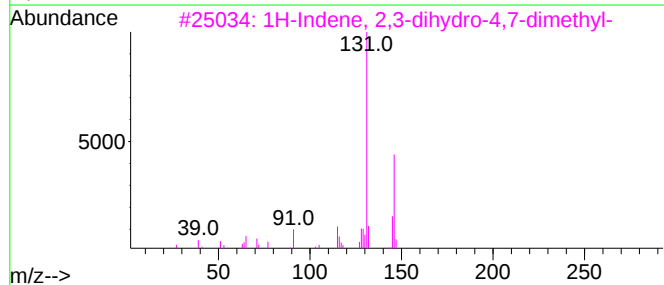
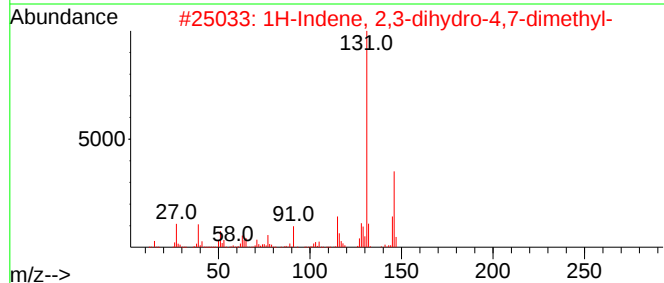
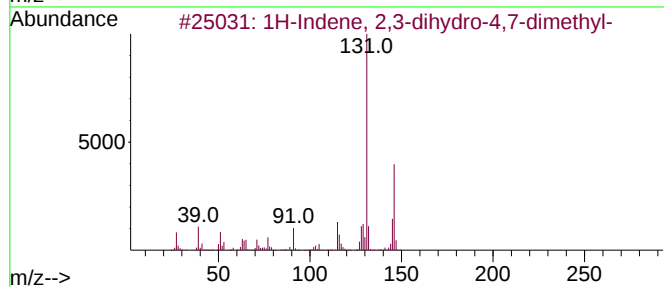
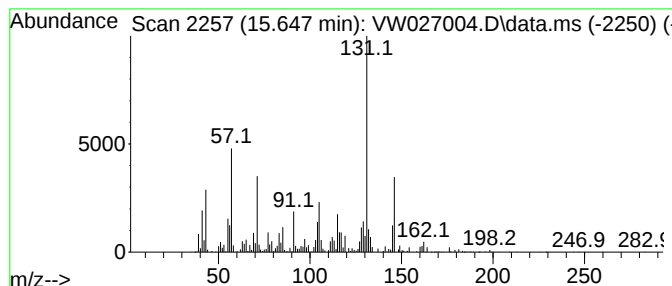
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 60 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.647	16.85 ug/L	1020250	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	93
4	1H-Indene, 2,3-dihydro-1,2-dimet...		146	C11H14	017057-82-8	91
5	Benzene, (3-methyl-2-butenyl)-		146	C11H14	004489-84-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

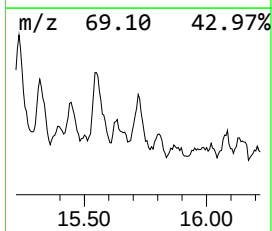
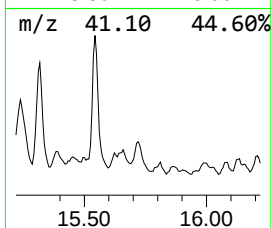
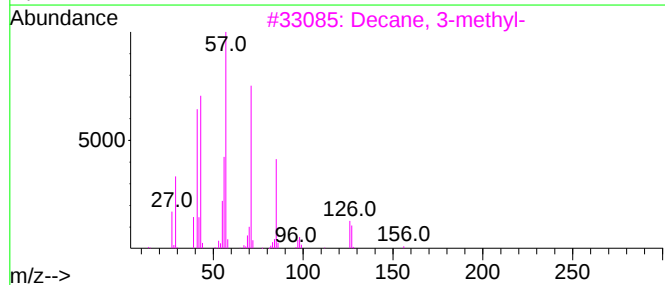
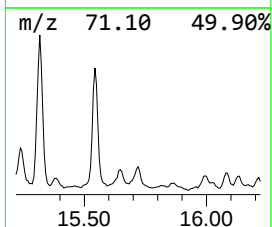
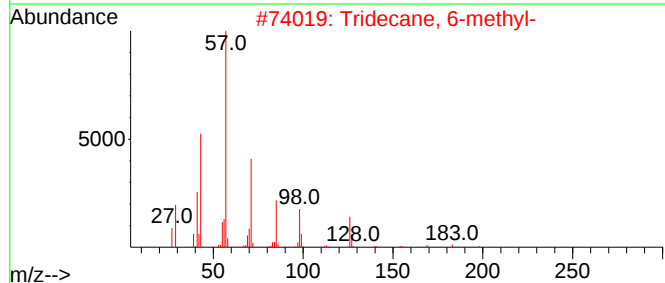
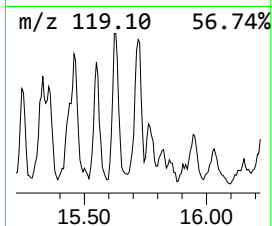
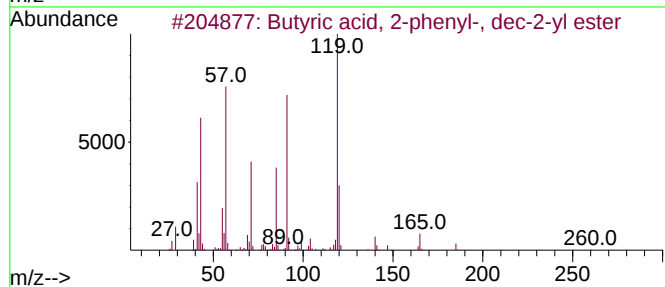
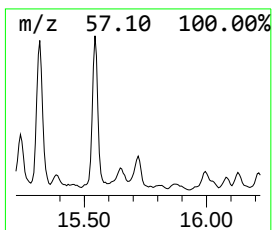
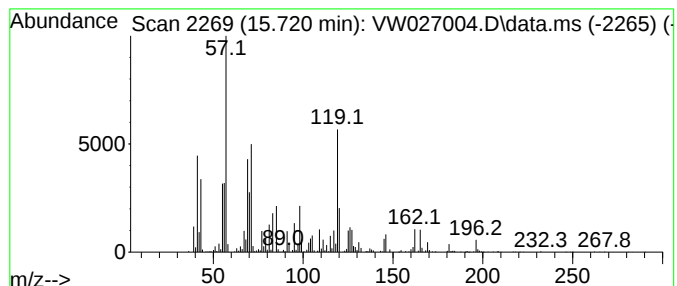
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Quant Title : SFAM01.0

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

Peak Number 61 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	10.87 ug/L	658269	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyric acid, 2-phenyl-, dec-2-y...	304	C20H32O2	1000406-86-4	43
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	42
3			Decane, 3-methyl-	156	C11H24	013151-34-3	35
4			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	27
5			Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

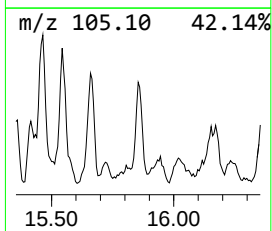
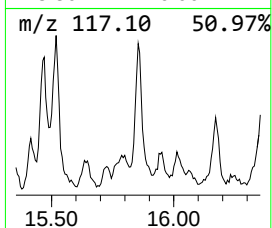
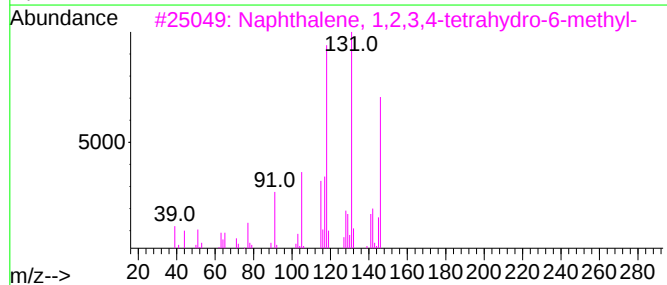
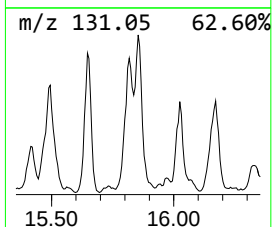
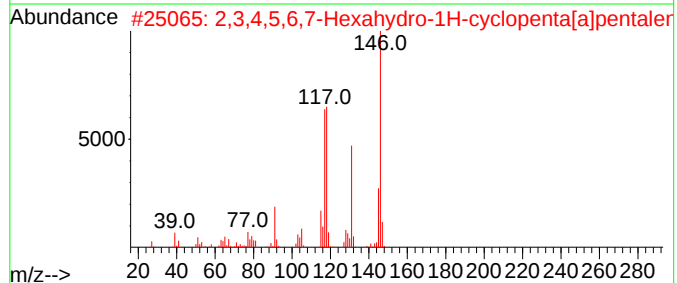
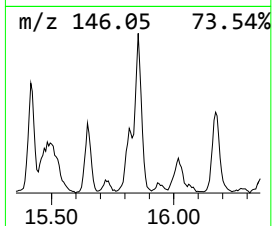
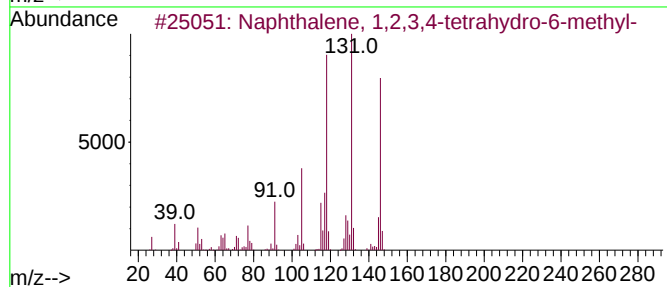
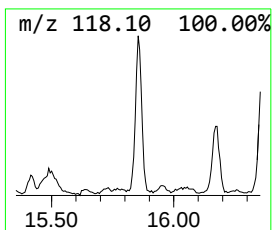
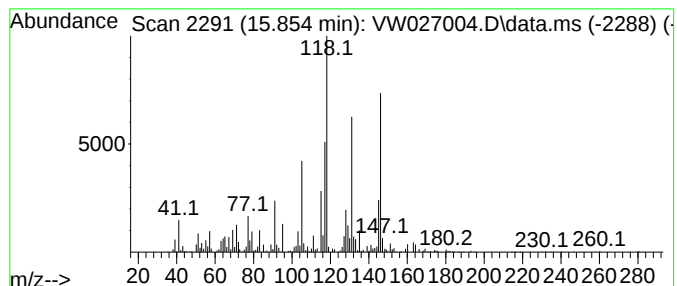
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Quant Title : SFAM01.0

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

Peak Number 62 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.854	8.99 ug/L	544606	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
2			2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1010189-31-0	76
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
4			2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	70
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

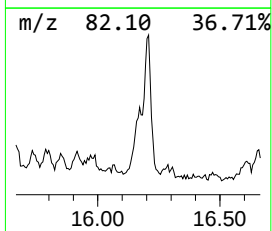
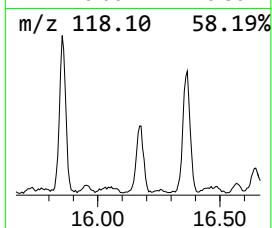
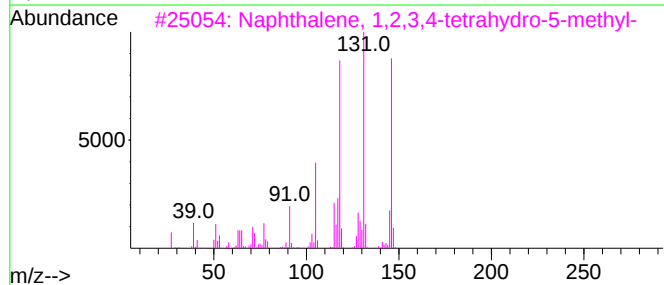
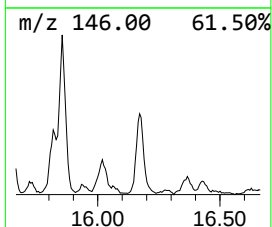
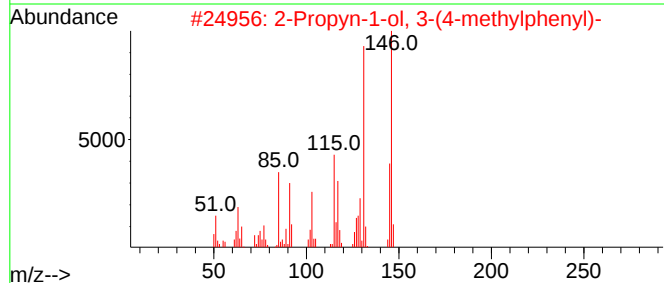
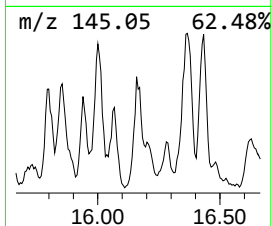
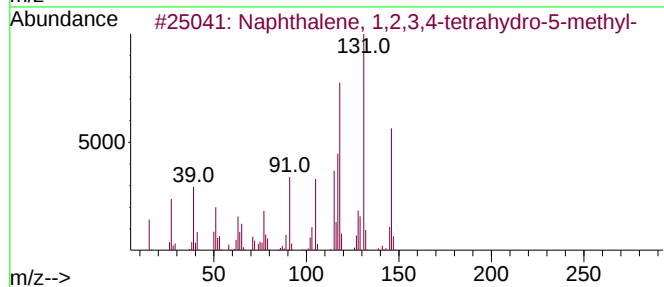
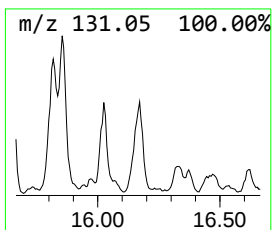
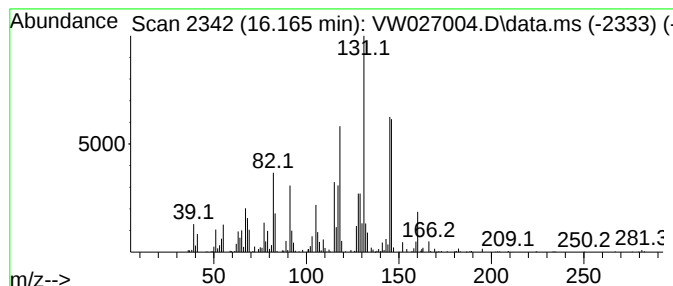
Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 63 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.165	11.41 ug/L	690905	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76
2	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

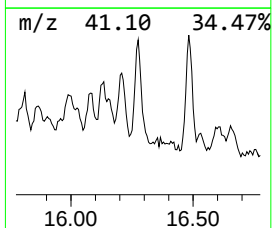
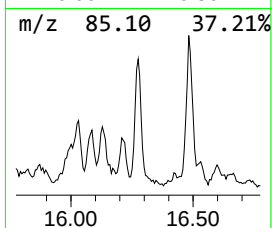
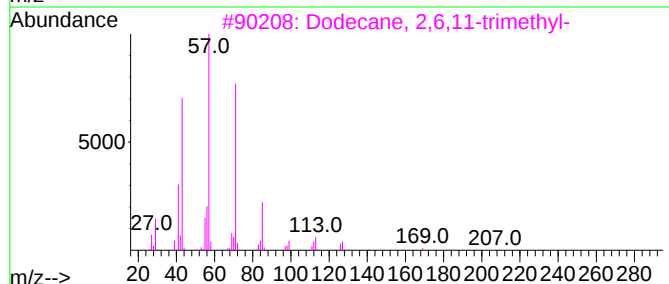
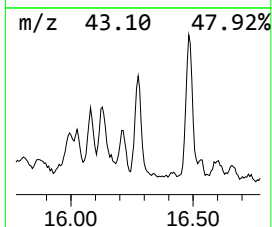
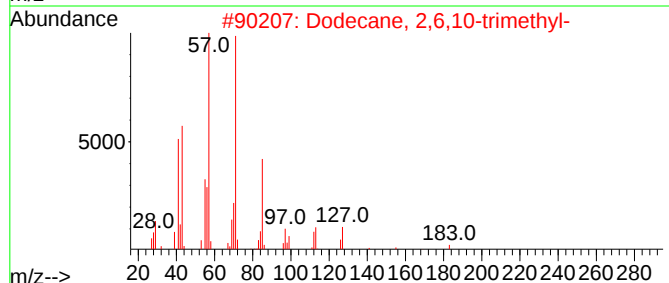
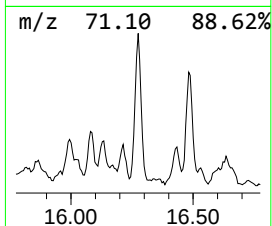
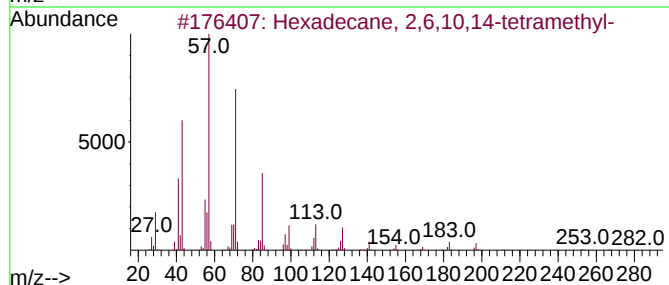
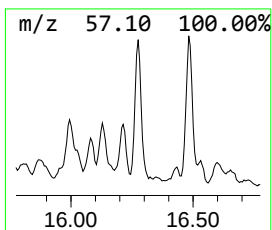
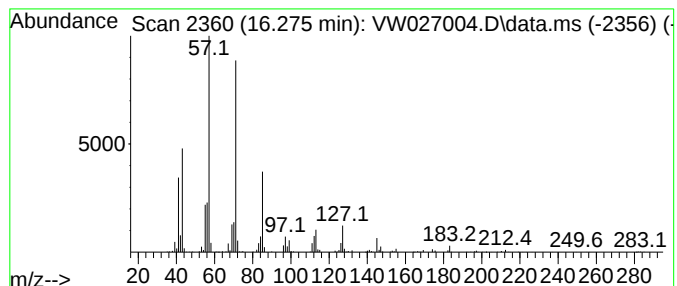
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Quant Title : SFAM01.0

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	9.96 ug/L	603232	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
5		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

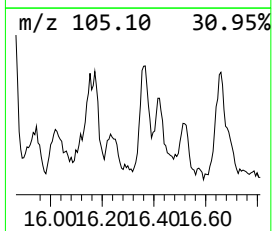
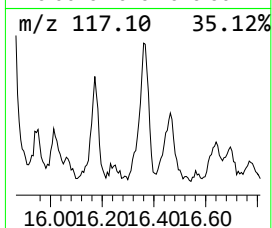
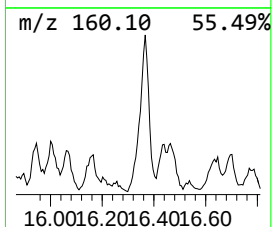
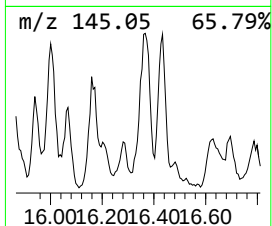
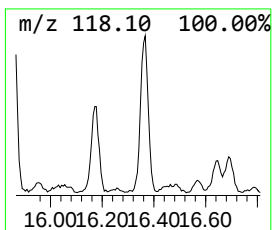
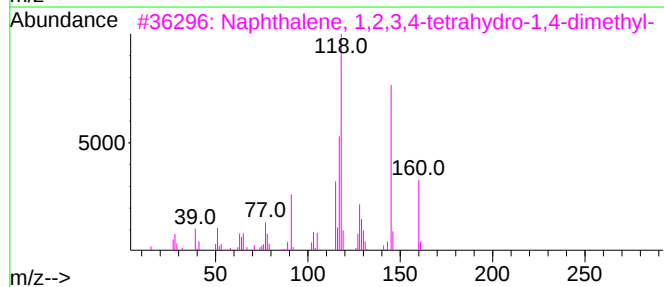
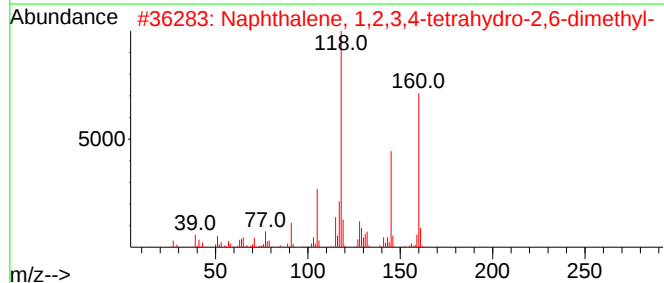
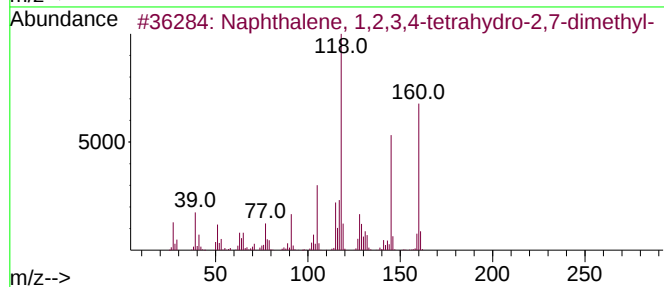
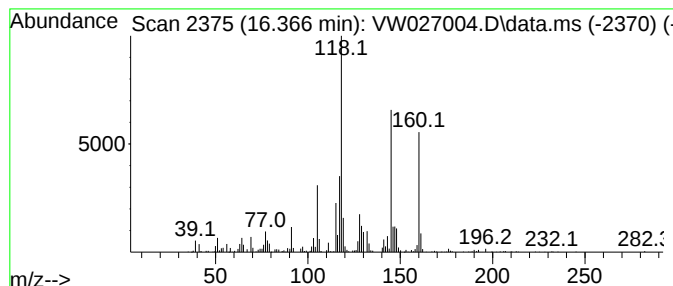
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Quant Title : SFAM01.0

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

Peak Number 65 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.366	7.23 ug/L	437767	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	81
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

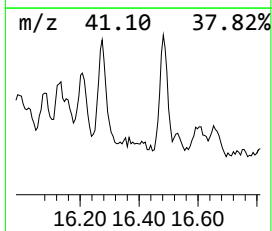
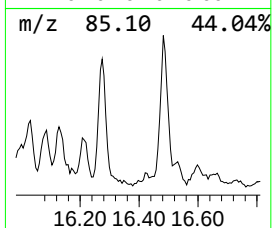
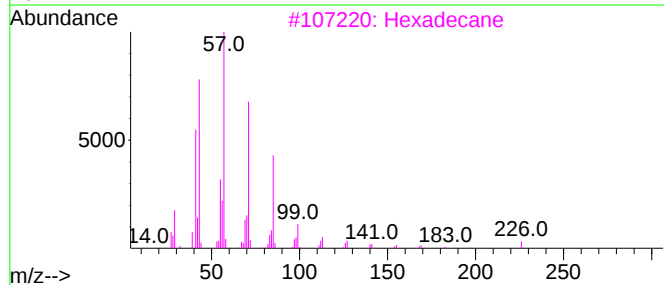
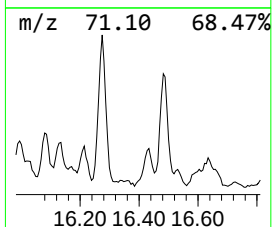
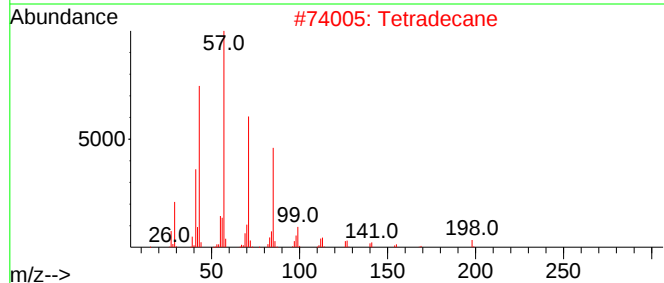
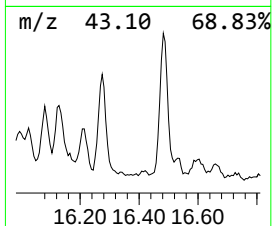
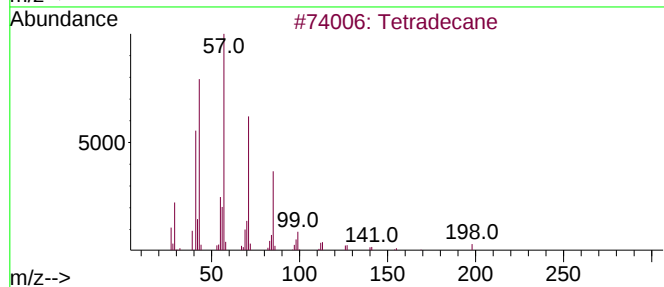
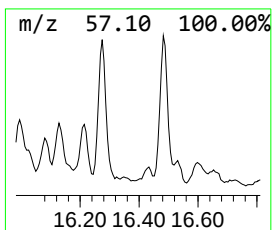
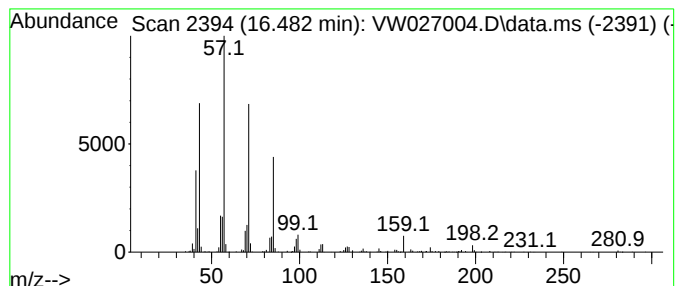
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Quant Title : SFAM01.0

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.482	8.88 ug/L	537581	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	96
2			Tetradecane	198	C14H30	000629-59-4	95
3			Hexadecane	226	C16H34	000544-76-3	91
4			Tridecane	184	C13H28	000629-50-5	90
5			Tridecane	184	C13H28	000629-50-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027004.D
Acq On : 07 Sep 2023 15:00
Operator : SY/MD
Sample : 04330-02RE
Misc : 5.28g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG3RE

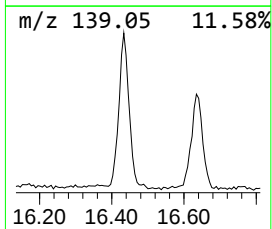
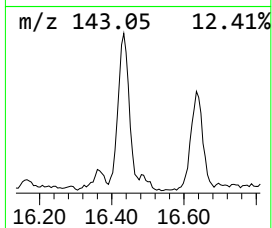
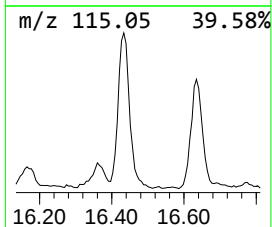
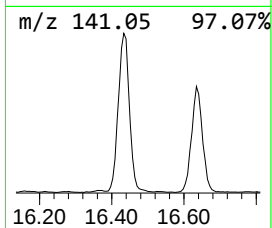
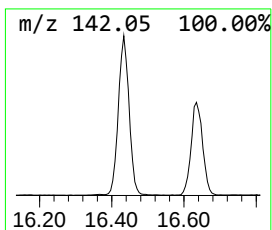
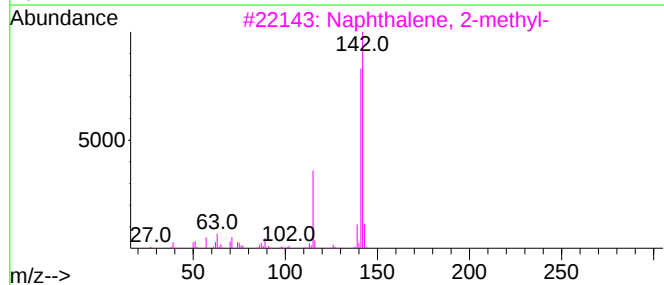
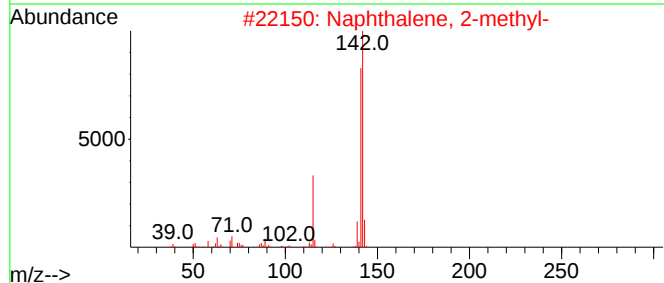
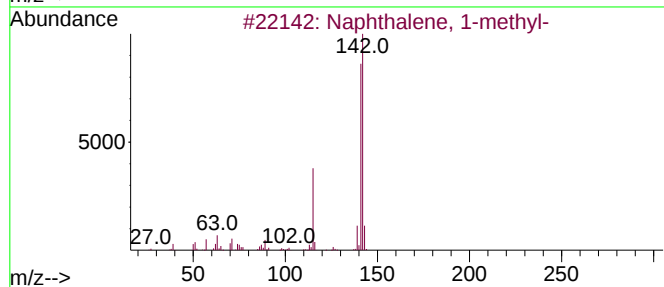
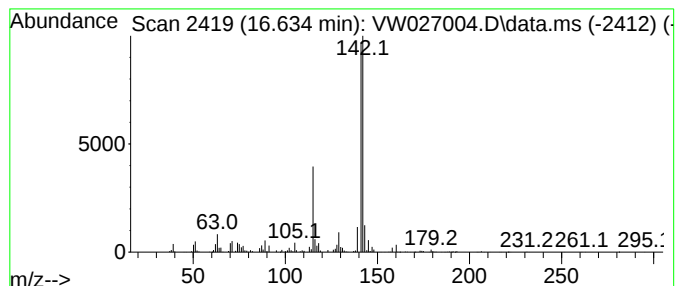
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 68 Benzocycloheptatriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	25.61 ug/L	1551010	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4			Benzocycloheptatriene	142	C11H10	000264-09-5	90
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
 Data File : VW027004.D
 Acq On : 07 Sep 2023 15:00
 Operator : SY/MD
 Sample : 04330-02RE
 Misc : 5.28g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZG3RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.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...	4.954	5.8	ug/L	606688	1	8.843	2638120	25.0
(DEL) Alkane: S...	5.435	2.9	ug/L	309493	1	8.843	2638120	25.0
2-Ethyl-oxetane	5.941	2.4	ug/L	248097	1	8.843	2638120	25.0
(DEL) Alkane: C...	6.984	4.3	ug/L	451321	1	8.843	2638120	25.0
(DEL) Alkane: S...	8.032	2.4	ug/L	249223	1	8.843	2638120	25.0
(DEL) Alkane: S...	8.154	5.6	ug/L	591681	1	8.843	2638120	25.0
(DEL) Alkane: C...	8.435	1.6	ug/L	166281	1	8.843	2638120	25.0
(DEL) Alkane: S...	8.483	3.9	ug/L	416246	1	8.843	2638120	25.0
(DEL) Alkane: C...	8.575	1.5	ug/L	159827	1	8.843	2638120	25.0
(DEL) Alkane: S...	8.697	2.7	ug/L	285345	1	8.843	2638120	25.0
Propanoic acid,...	9.758	1.5	ug/L	156821	1	8.843	2638120	25.0
1-Butanol, 2-et...	9.892	1.6	ug/L	166375	1	8.843	2638120	25.0
(DEL) Alkane: S...	10.093	2.6	ug/L	270115	1	8.843	2638120	25.0
(DEL) Alkane: S...	10.501	3.0	ug/L	255777	2	11.629	2108300	25.0
(DEL) Alkane: S...	11.410	5.1	ug/L	427727	2	11.629	2108300	25.0
(DEL) Alkane: S...	11.514	2.6	ug/L	218254	2	11.629	2108300	25.0
(DEL) Alkane: S...	12.251	3.3	ug/L	281565	2	11.629	2108300	25.0
5-Eicosyne	12.336	3.9	ug/L	325525	2	11.629	2108300	25.0
(DEL) Alkane: S...	12.538	3.0	ug/L	256377	2	11.629	2108300	25.0
(DEL) Alkane: S...	12.562	2.9	ug/L	242293	2	11.629	2108300	25.0
Benzene, 1-ethy...	12.867	26.6	ug/L	1610800	3	13.556	1514100	25.0
Benzene, 1-ethy...	13.099	24.3	ug/L	1471040	3	13.556	1514100	25.0
(DEL) Alkane: S...	13.160	12.4	ug/L	748782	3	13.556	1514100	25.0
(DEL) Alkane: S...	13.342	2.6	ug/L	158215	3	13.556	1514100	25.0
Oxirane, 2-meth...	13.379	3.0	ug/L	182998	3	13.556	1514100	25.0
p-Cymene	13.440	18.9	ug/L	1144470	3	13.556	1514100	25.0
(DEL) Alkane: S...	13.483	11.6	ug/L	703827	3	13.556	1514100	25.0
(DEL) Alkane: S...	13.623	10.1	ug/L	611761	3	13.556	1514100	25.0
Benzene, 1,3-di...	13.714	6.3	ug/L	379866	3	13.556	1514100	25.0
Indane	13.751	21.5	ug/L	1302400	3	13.556	1514100	25.0
Benzene, 4-ethy...	13.787	18.2	ug/L	1100730	3	13.556	1514100	25.0
Succinic acid, ...	13.916	6.2	ug/L	373298	3	13.556	1514100	25.0
Benzene, 1-meth...	13.946	8.8	ug/L	534491	3	13.556	1514100	25.0
Benzene, 1-meth...	14.031	29.2	ug/L	1767540	3	13.556	1514100	25.0
o-Cymene	14.092	22.4	ug/L	1356920	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.129	6.8	ug/L	412833	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.257	8.1	ug/L	487370	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.342	24.3	ug/L	1470050	3	13.556	1514100	25.0
(DEL) Alkane: C...	14.385	30.2	ug/L	1830130	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.422	21.4	ug/L	1298590	3	13.556	1514100	25.0
Benzene, 1-ethy...	14.452	10.7	ug/L	649213	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.495	14.4	ug/L	875377	3	13.556	1514100	25.0
trans-Decalin, ...	14.543	11.5	ug/L	697042	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.720	73.7	ug/L	4464550	3	13.556	1514100	25.0
Benzene, 1-meth...	14.793	46.4	ug/L	2809740	3	13.556	1514100	25.0
(DEL) Alkane: S...	14.830	33.9	ug/L	2050330	3	13.556	1514100	25.0
Naphthalene, 1,...	14.952	13.9	ug/L	842461	3	13.556	1514100	25.0
Benzene, 2,4-di...	15.056	9.1	ug/L	552129	3	13.556	1514100	25.0
2-Butene, 3-chl...	15.159	18.8	ug/L	1135620	3	13.556	1514100	25.0
(DEL) Alkane: S...	15.238	21.1	ug/L	1278830	3	13.556	1514100	25.0
(DEL) Alkane: S...	15.318	27.9	ug/L	1692270	3	13.556	1514100	25.0
Azulene	15.360	113.5	ug/L	6871500	3	13.556	1514100	25.0

unknown-01	15.458	6.9	ug/L	417935	3	13.556	1514100	25.0
(DEL) Alkane: S...	15.543	39.9	ug/L	2415940	3	13.556	1514100	25.0
1H-Indene, 2,3-...	15.647	16.9	ug/L	1020250	3	13.556	1514100	25.0
unknown-02	15.720	10.9	ug/L	658269	3	13.556	1514100	25.0
Naphthalene, 1,...	15.854	9.0	ug/L	544606	3	13.556	1514100	25.0
Naphthalene, 1,...	16.165	11.4	ug/L	690905	3	13.556	1514100	25.0
(DEL) Alkane: S...	16.275	10.0	ug/L	603232	3	13.556	1514100	25.0
Naphthalene, 1,...	16.366	7.2	ug/L	437767	3	13.556	1514100	25.0
(DEL) Alkane: S...	16.482	8.9	ug/L	537581	3	13.556	1514100	25.0
Benzocyclohepta...	16.634	25.6	ug/L	1551010	3	13.556	1514100	25.0

Instrument :

MSVOA_W

ClientSampleId :

EZYG3RE