

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
 Data File : VW027437.D
 Acq On : 25 Oct 2023 12:59
 Operator : SY/MD
 Sample : 04961-11
 Misc : 5.11g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E0LJ5

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\SFAMWLM101123SMA.M
 Title : SFAM01.0

Signal : TIC: VW027437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.039	180	189	200	rVV	121256	345911	0.54%	0.093%
2	4.021	338	350	356	rBV2	163014	486144	0.76%	0.130%
3	4.118	356	366	404	rVB2	526899	2464975	3.83%	0.660%
4	4.905	473	495	542	rBV	2805205	14719165	22.90%	3.942%
5	5.441	567	583	617	rVV	865266	3406425	5.30%	0.912%
6	6.722	779	793	806	rBV	150454	687385	1.07%	0.184%
7	6.880	807	819	845	rVV	3064716	12328961	19.18%	3.302%
8	7.069	845	850	859	rVV2	103380	350636	0.55%	0.094%
9	7.173	859	867	899	rVB4	95737	507027	0.79%	0.136%
10	7.648	933	945	950	rBV3	343924	1015998	1.58%	0.272%
11	7.703	951	954	972	rVB2	202364	629767	0.98%	0.169%
12	7.923	982	990	998	rBV	496106	1151511	1.79%	0.308%
13	8.038	998	1009	1023	rVV	8419793	25878102	40.26%	6.930%
14	8.154	1023	1028	1034	rVV	1036830	2458681	3.83%	0.658%
15	8.227	1034	1040	1043	rVV	419246	1056555	1.64%	0.283%
16	8.276	1043	1048	1064	rVB3	659408	2101407	3.27%	0.563%
17	8.484	1064	1082	1131	rVB	16562632	64277585	100.00%	17.214%
18	8.843	1131	1141	1151	rBV	758242	1711954	2.66%	0.458%
19	8.929	1151	1155	1162	rVB	131215	268523	0.42%	0.072%
20	9.069	1171	1178	1183	rBV	340763	695418	1.08%	0.186%
21	9.148	1183	1191	1205	rVB2	140043	530621	0.83%	0.142%
22	9.331	1205	1221	1225	rBV2	4664374	12381539	19.26%	3.316%
23	9.386	1225	1230	1239	rVV	5182525	12018772	18.70%	3.219%
24	9.471	1239	1244	1257	rVB	768909	2206461	3.43%	0.591%
25	9.611	1257	1267	1277	rBV3	1090716	2953948	4.60%	0.791%
26	9.764	1283	1292	1304	rBV	10407552	27170586	42.27%	7.276%
27	9.898	1304	1314	1326	rVV	11742374	31361873	48.79%	8.399%
28	9.989	1326	1329	1338	rVV3	1387603	2893787	4.50%	0.775%
29	10.093	1338	1346	1361	rVB3	2534822	7939631	12.35%	2.126%
30	10.252	1363	1372	1379	rBV2	4898767	11344053	17.65%	3.038%
31	10.319	1379	1383	1394	rVV2	2350807	5660539	8.81%	1.516%
32	10.447	1394	1404	1407	rVV2	1003027	2264259	3.52%	0.606%
33	10.489	1407	1411	1420	rVV4	1294703	4094081	6.37%	1.096%
34	10.569	1420	1424	1427	rVV5	205543	453046	0.70%	0.121%
35	10.605	1427	1430	1435	rVB3	346951	589033	0.92%	0.158%
36	10.666	1435	1440	1447	rBV4	518485	1363156	2.12%	0.365%

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Integrator: RTE

Smoothing : OFF

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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\SFAMWLM101123SMA.M
 Title : SFAM01.0

37	10.764	1447	1456	1464	rVV4	2255839	7523686	11.70%	2.015%
38	10.843	1464	1469	1475	rVB	1420712	2567875	3.99%	0.688%
39	10.934	1475	1484	1490	rBV2	1525148	3197032	4.97%	0.856%
40	11.032	1495	1500	1508	rVB	2321556	4884226	7.60%	1.308%
41	11.105	1508	1512	1514	rBV3	373732	533328	0.83%	0.143%
42	11.142	1514	1518	1523	rVB3	576737	860943	1.34%	0.231%
43	11.227	1527	1532	1537	rBV4	616927	1178787	1.83%	0.316%
44	11.282	1538	1541	1546	rVB3	467274	729735	1.14%	0.195%
45	11.337	1546	1550	1553	rBV	1002880	1391200	2.16%	0.373%
46	11.404	1553	1561	1573	rVB4	2575495	7333917	11.41%	1.964%
47	11.507	1573	1578	1583	rBV	2401540	4332857	6.74%	1.160%
48	11.605	1588	1594	1596	rBV	1897872	3400654	5.29%	0.911%
49	11.690	1602	1608	1613	rBV	2411669	4030171	6.27%	1.079%
50	11.763	1617	1620	1623	rBV2	227641	245132	0.38%	0.066%
51	11.806	1623	1627	1632	rVB3	690213	1328826	2.07%	0.356%
52	11.873	1632	1638	1642	rBV2	2495049	4111885	6.40%	1.101%
53	11.916	1642	1645	1649	rVB2	567777	837398	1.30%	0.224%
54	12.026	1656	1663	1665	rBV4	332171	663563	1.03%	0.178%
55	12.062	1665	1669	1676	rBV3	999472	1779199	2.77%	0.476%
56	12.135	1676	1681	1687	rBV2	1080028	1683765	2.62%	0.451%
57	12.245	1693	1699	1704	rVB2	1401163	2752943	4.28%	0.737%
58	12.330	1704	1713	1717	rBV3	806923	2090760	3.25%	0.560%
59	12.465	1730	1735	1738	rBV	483220	963213	1.50%	0.258%
60	12.538	1745	1747	1749	rVV	274565	229202	0.36%	0.061%
61	12.586	1749	1755	1761	rVB	5682779	9442579	14.69%	2.529%
62	12.647	1761	1765	1768	rBV	807450	943575	1.47%	0.253%
63	12.690	1768	1772	1777	rVB3	953170	1785966	2.78%	0.478%
64	12.751	1777	1782	1786	rBV	1208891	2152847	3.35%	0.577%
65	12.800	1786	1790	1795	rVB	2010623	3146673	4.90%	0.843%
66	12.952	1804	1815	1830	rBV5	939597	3390496	5.27%	0.908%
67	13.074	1830	1835	1838	rBV2	243608	402468	0.63%	0.108%
68	13.123	1839	1843	1846	rBV2	289757	439380	0.68%	0.118%
69	13.184	1846	1853	1858	rVB2	662014	1375336	2.14%	0.368%
70	13.294	1866	1871	1875	rVB2	388280	625517	0.97%	0.168%
71	13.373	1876	1884	1887	rBV3	686289	1868999	2.91%	0.501%
72	13.477	1898	1901	1904	rBV	278865	364286	0.57%	0.098%
73	13.513	1904	1907	1910	rVV2	246790	292967	0.46%	0.078%
74	13.550	1910	1913	1917	rVV2	858110	1222738	1.90%	0.327%
75	13.598	1917	1921	1932	rVB2	771016	2033843	3.16%	0.545%
76	13.714	1934	1940	1944	rBV	1327007	2066507	3.21%	0.553%

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 Title : SFAM01.0

77	13.757	1944	1947	1950	rVB2	317146	375427	0.58%	0.101%
78	13.794	1950	1953	1956	rBV	341037	528962	0.82%	0.142%
79	13.848	1959	1962	1965	rBV	238941	320371	0.50%	0.086%
80	14.092	1995	2002	2008	rVV	2470270	4107251	6.39%	1.100%
81	14.153	2008	2012	2015	rVV	272231	452014	0.70%	0.121%
82	14.202	2015	2020	2025	rVB2	1239014	2061099	3.21%	0.552%
83	14.269	2025	2031	2036	rBV5	183982	339949	0.53%	0.091%
84	14.342	2039	2043	2046	rVV3	133185	213458	0.33%	0.057%
85	14.409	2046	2054	2062	rVB	1778827	3249349	5.06%	0.870%
86	14.495	2062	2068	2077	rBV3	643045	1194573	1.86%	0.320%
87	14.684	2094	2099	2103	rBV	543187	917274	1.43%	0.246%
88	14.726	2103	2106	2111	rVB	227750	320344	0.50%	0.086%
89	14.799	2111	2118	2123	rBV3	723810	1687855	2.63%	0.452%
90	14.848	2123	2126	2133	rVB	372657	609843	0.95%	0.163%
91	15.056	2149	2160	2164	rBV2	705321	1371495	2.13%	0.367%
92	15.098	2164	2167	2171	rVV2	167303	282157	0.44%	0.076%
93	15.165	2172	2178	2186	rVB3	479661	1066197	1.66%	0.286%
94	15.318	2197	2203	2212	rVB5	114033	288500	0.45%	0.077%
95	15.464	2221	2227	2231	rVV2	157149	330642	0.51%	0.089%
96	15.513	2231	2235	2249	rVB3	117885	316836	0.49%	0.085%
97	15.647	2249	2257	2265	rBV	208313	427433	0.66%	0.114%
98	15.818	2274	2285	2296	rVV3	118138	413292	0.64%	0.111%
99	16.013	2310	2317	2332	rVB5	105752	321165	0.50%	0.086%
100	16.634	2410	2419	2428	rVB2	99818	244108	0.38%	0.065%

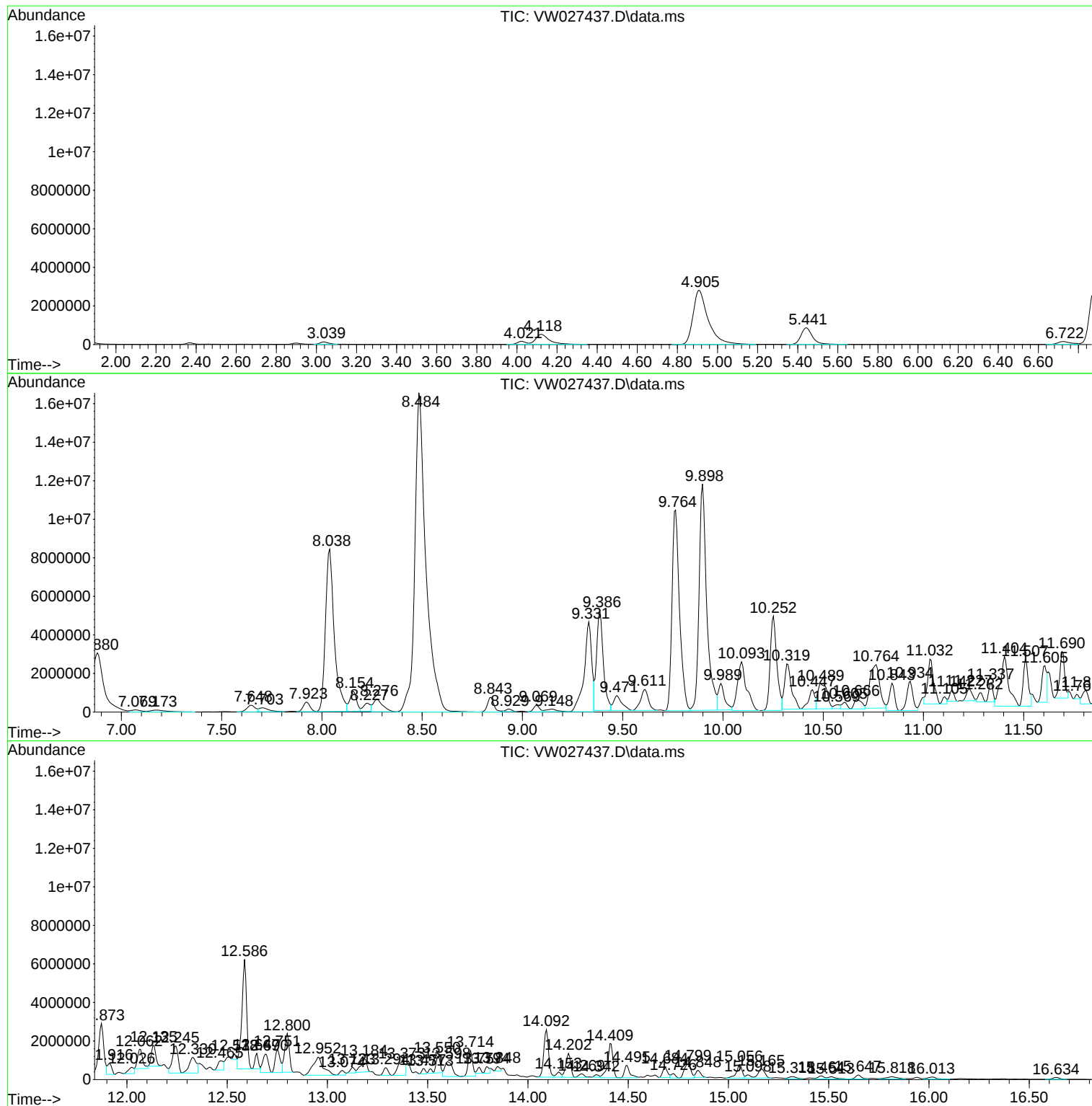
Sum of corrected areas: 373411583

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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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



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Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

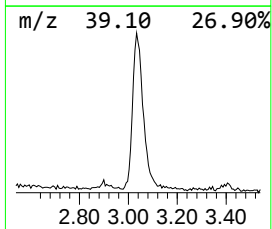
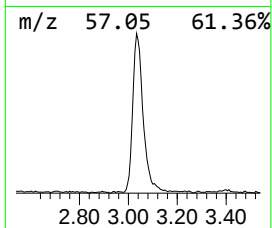
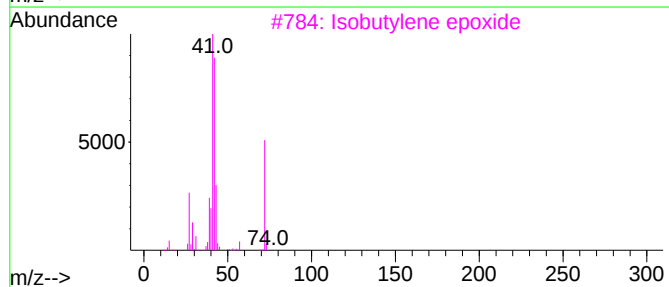
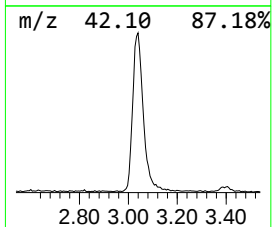
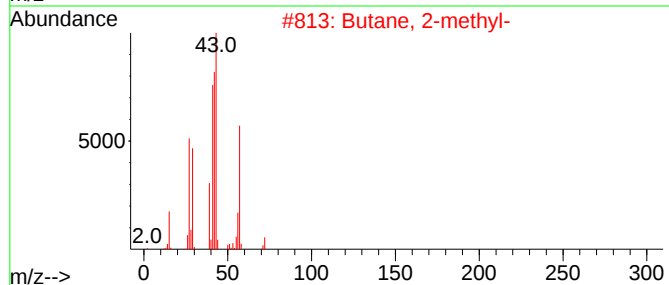
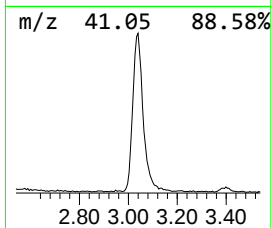
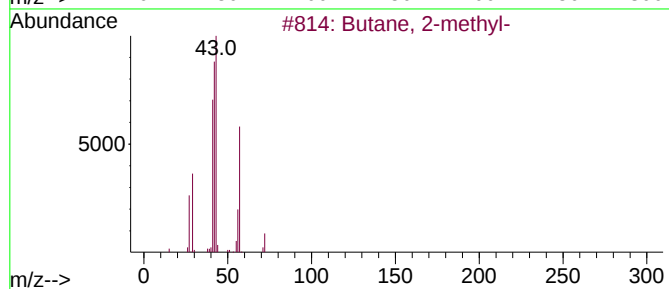
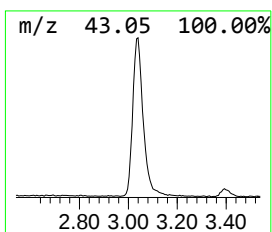
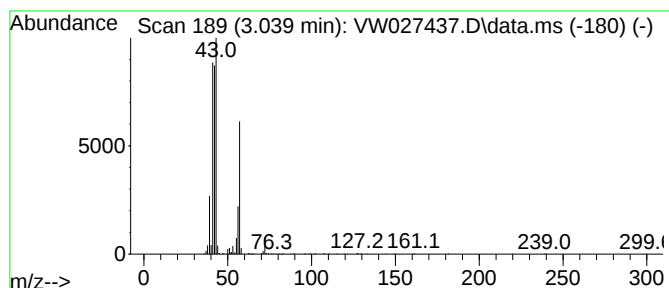
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.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 74

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.039	5.05 ug/L	345911	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Isobutylene epoxide	72	C4H8O	000558-30-5	42
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
5	Pentane	72	C5H12	000109-66-0	38



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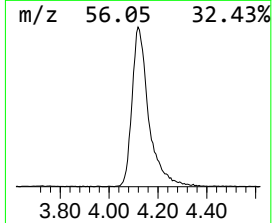
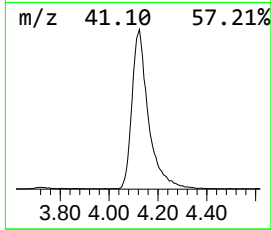
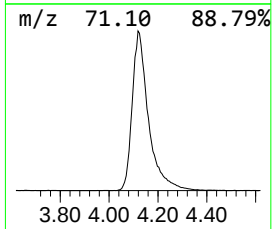
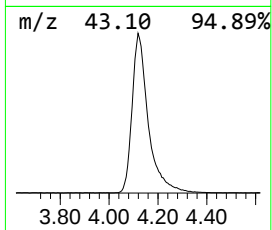
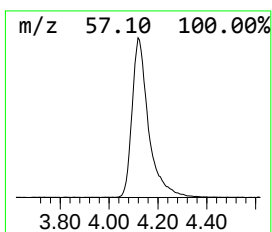
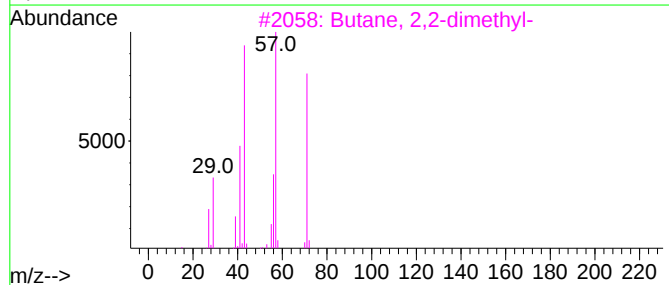
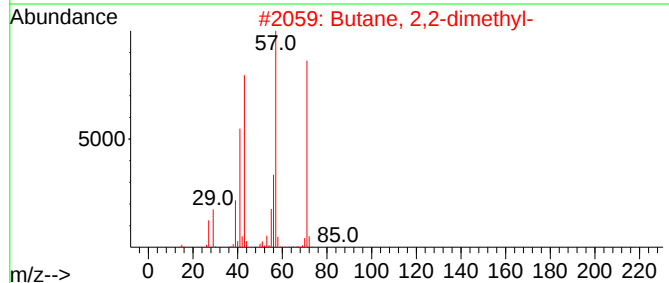
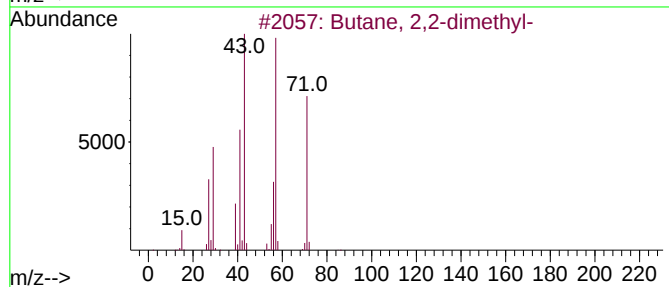
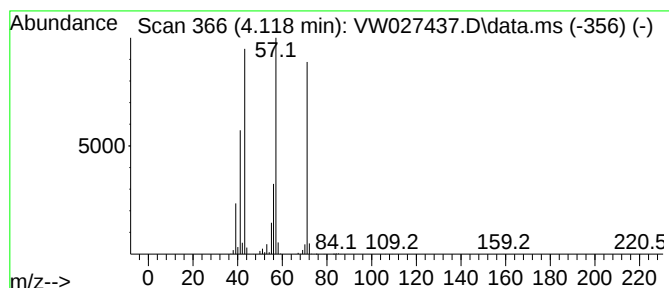
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.118	36.00 ug/L	2464980	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	50



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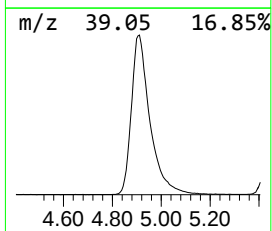
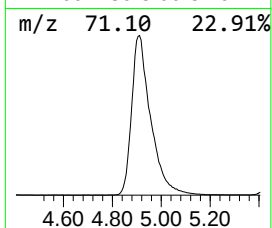
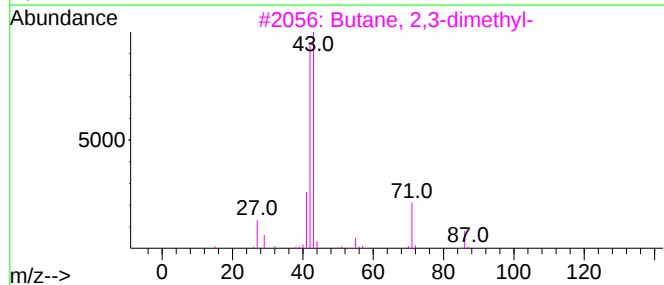
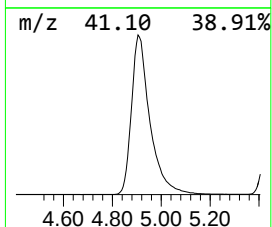
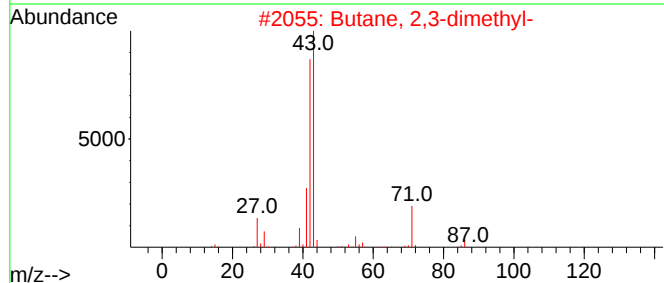
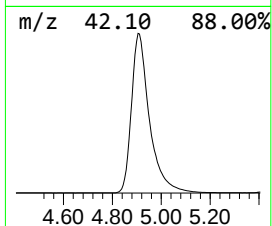
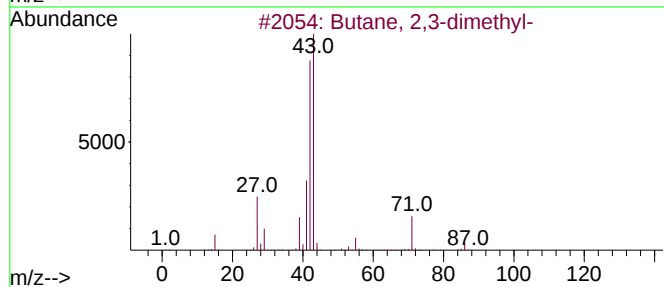
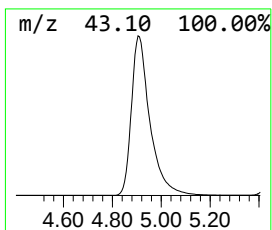
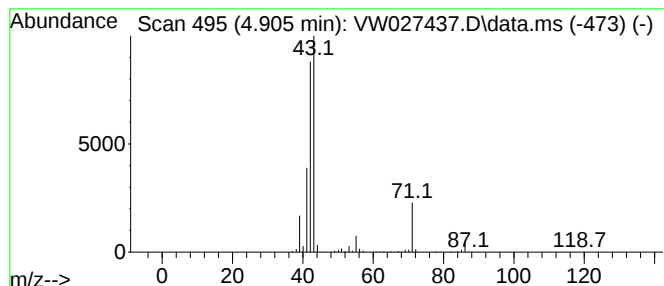
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.905	214.95 ug/L	14719200	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
3		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4		Pentane, 2-methyl-	86	C6H14	000107-83-5	50
5		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

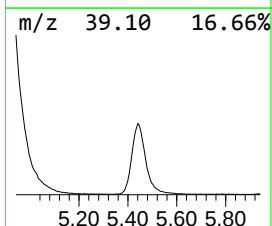
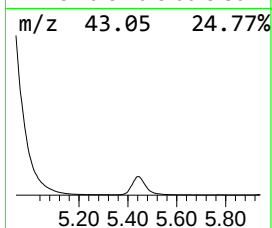
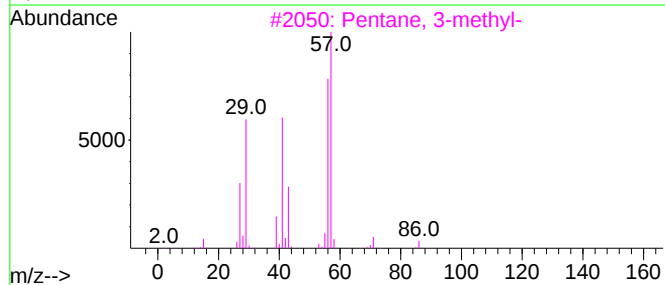
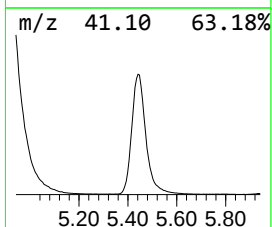
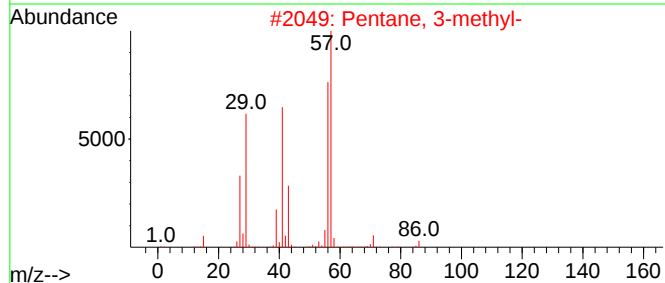
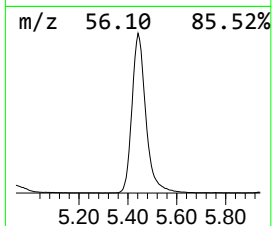
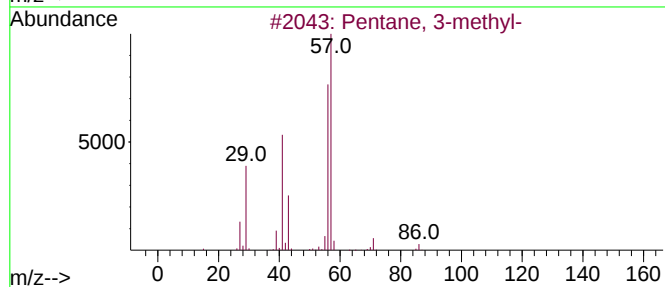
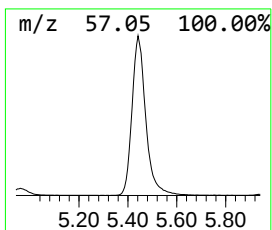
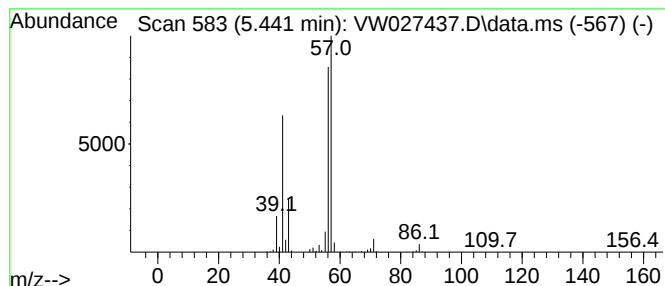
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.441	49.74 ug/L	3406430	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
5			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

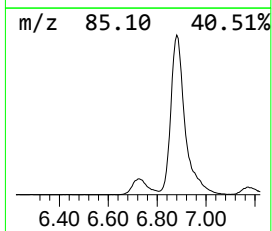
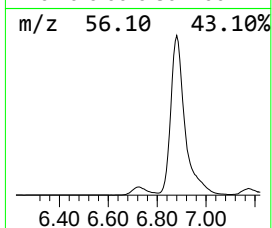
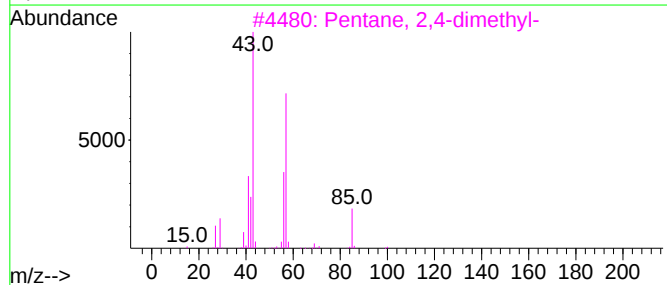
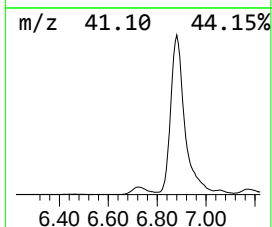
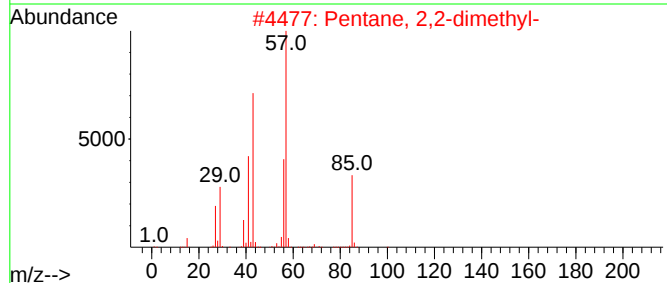
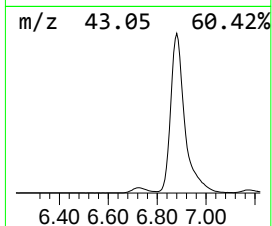
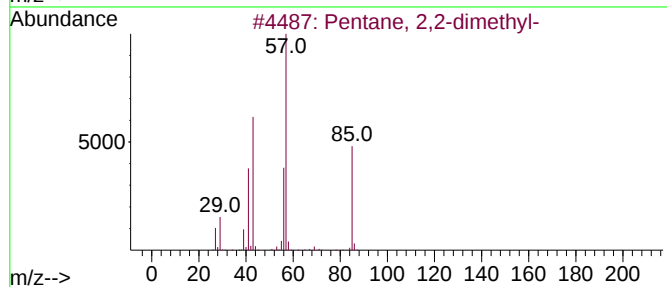
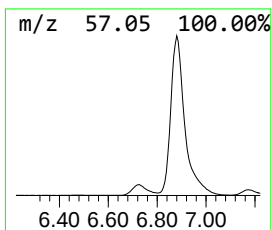
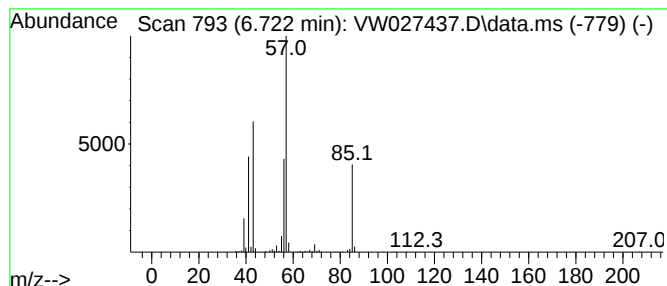
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.722	10.04 ug/L	687385	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

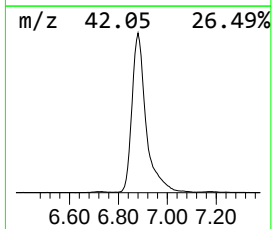
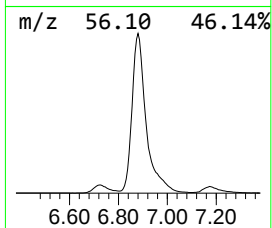
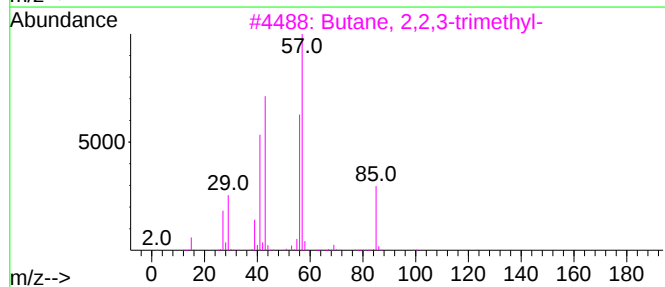
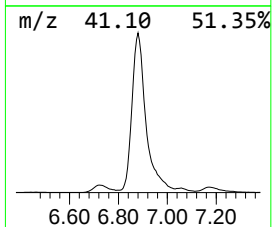
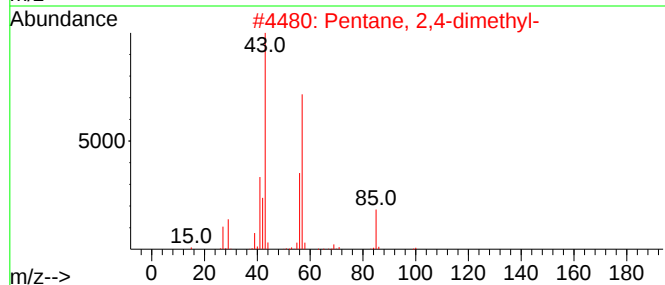
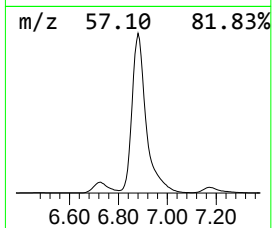
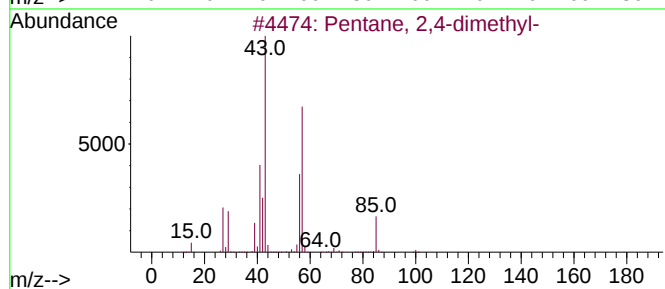
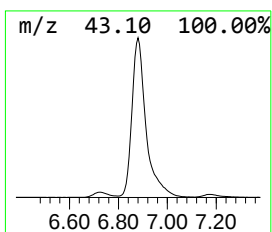
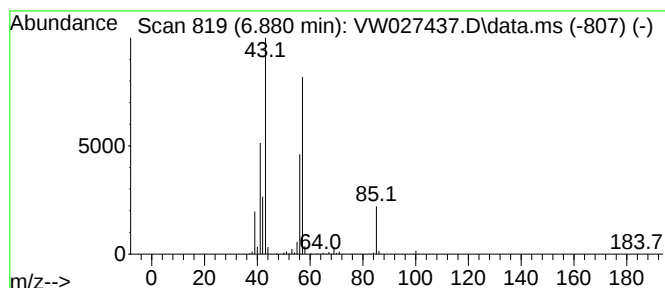
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MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.880	180.04 ug/L	12329000	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

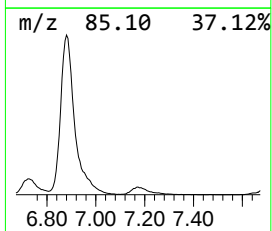
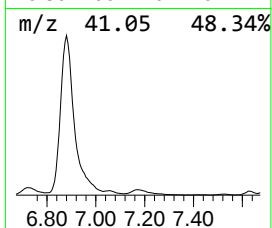
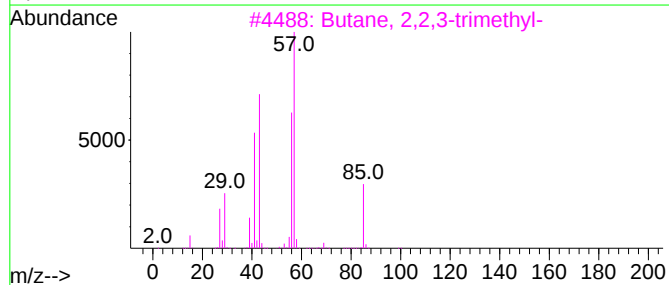
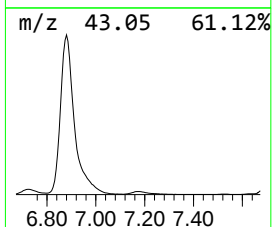
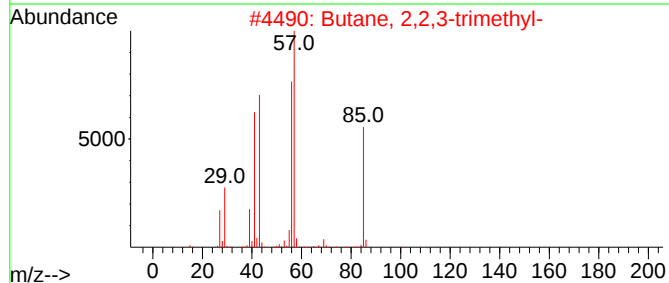
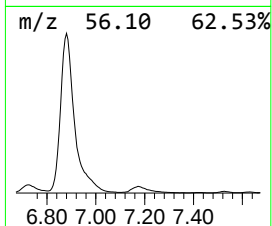
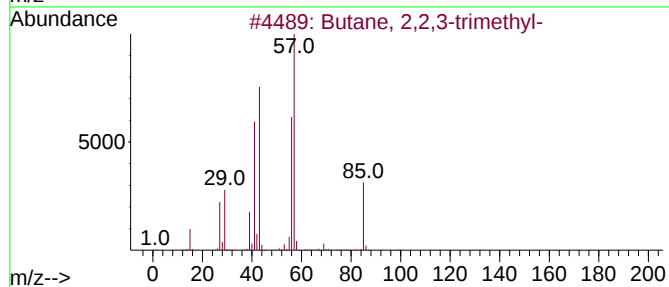
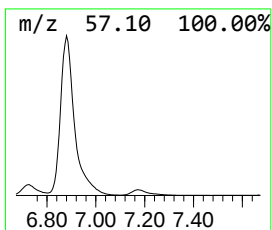
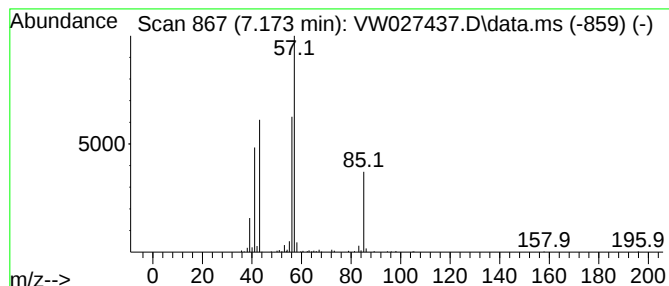
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.173	7.40 ug/L	507027	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
2			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

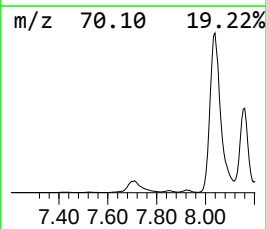
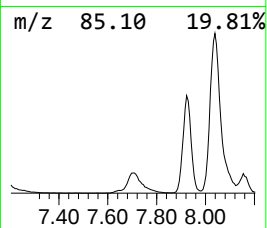
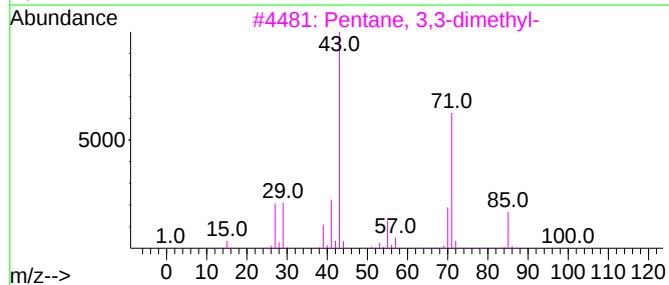
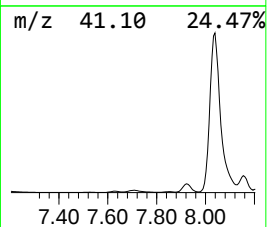
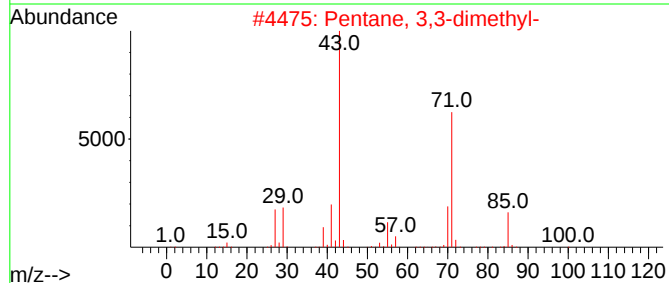
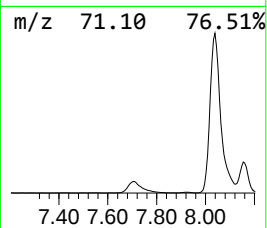
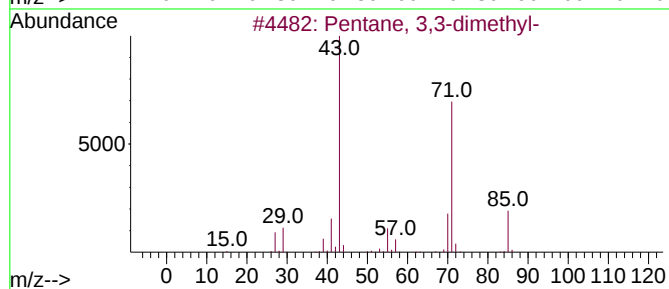
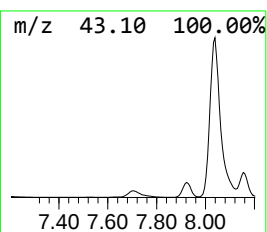
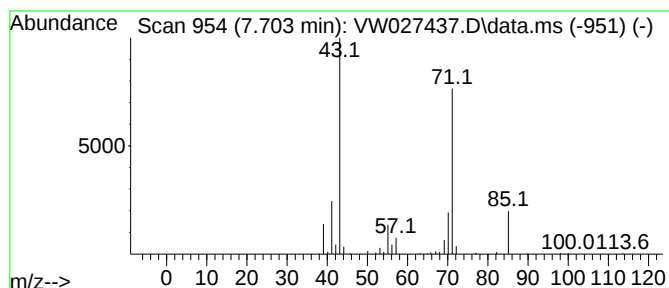
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.703	9.20 ug/L	629767	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
4		Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	72
5		Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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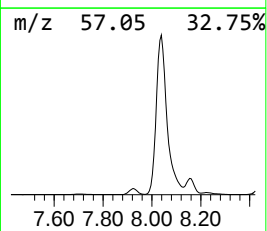
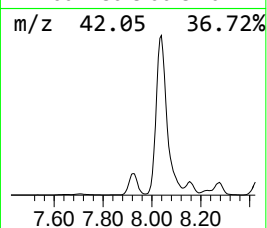
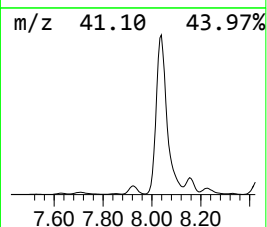
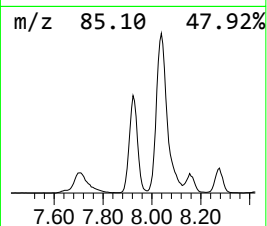
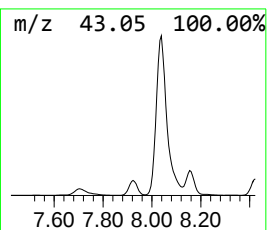
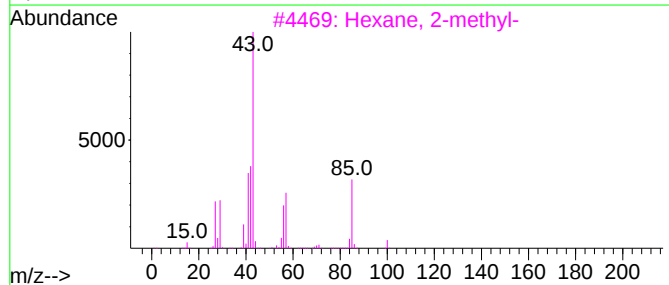
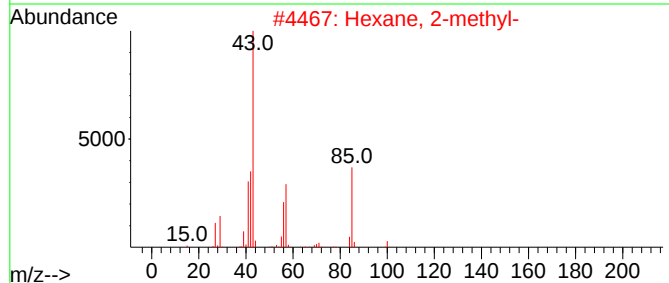
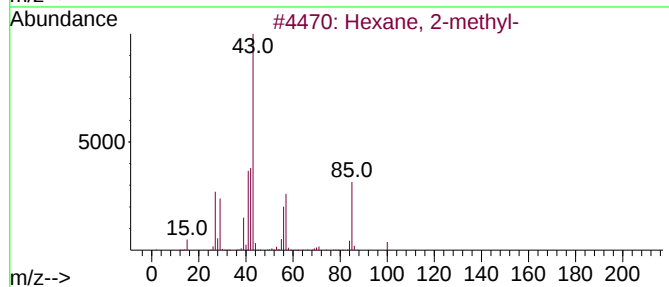
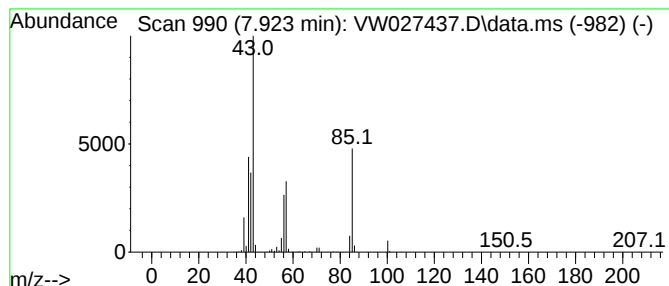
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.923	16.82 ug/L	1151510	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-			100	C7H16	000591-76-4	90
2	Hexane, 2-methyl-			100	C7H16	000591-76-4	90
3	Hexane, 2-methyl-			100	C7H16	000591-76-4	76
4	Octane			114	C8H18	000111-65-9	59
5	Heptane, 4,4-dimethyl-			128	C9H20	001068-19-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

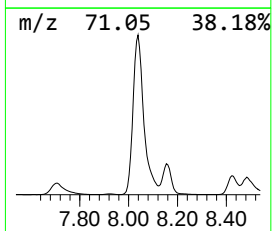
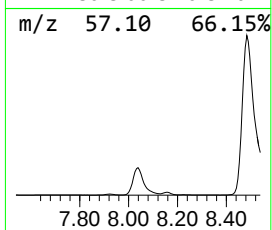
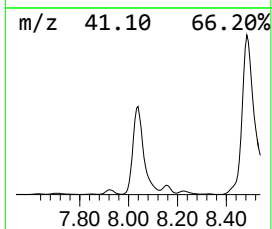
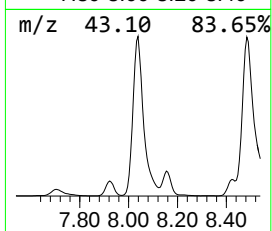
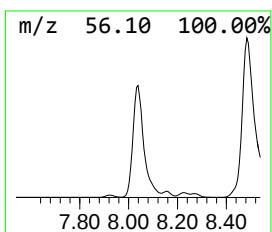
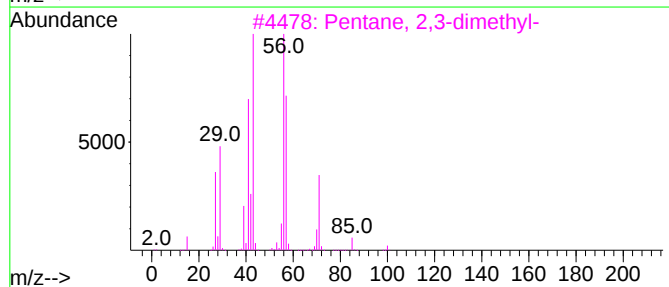
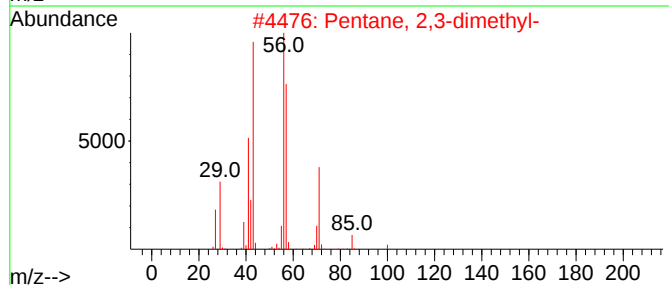
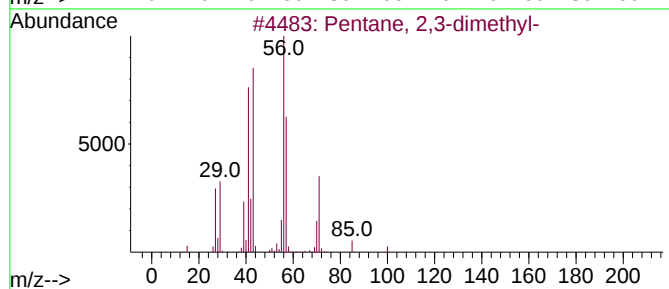
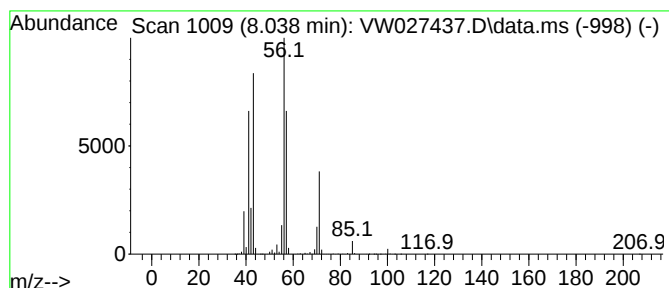
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.038	377.90 ug/L	25878100	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5		Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

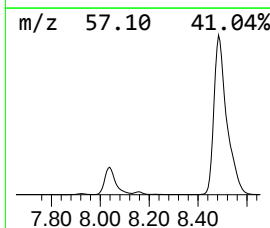
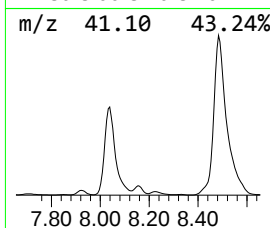
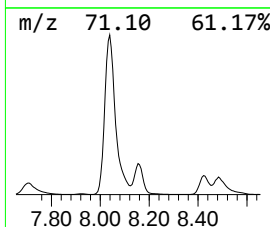
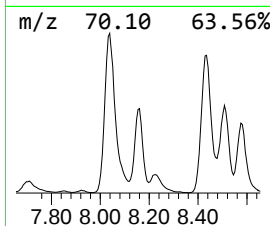
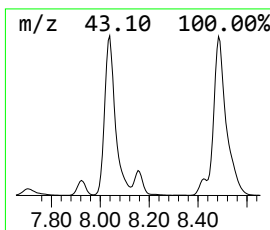
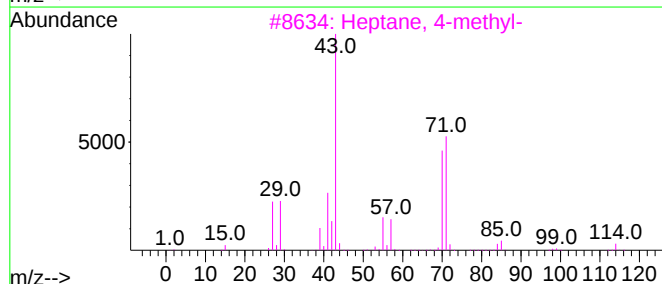
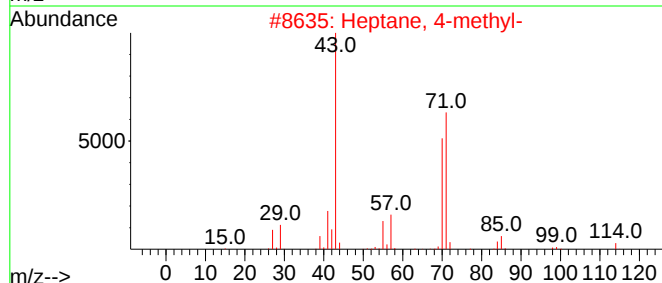
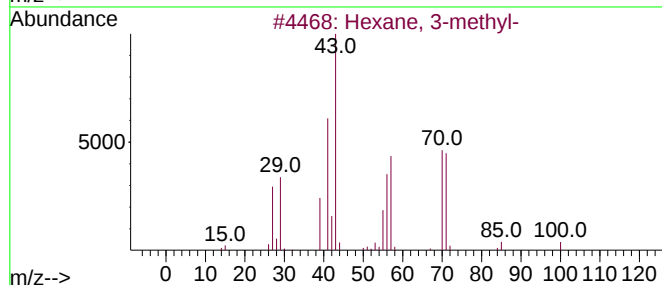
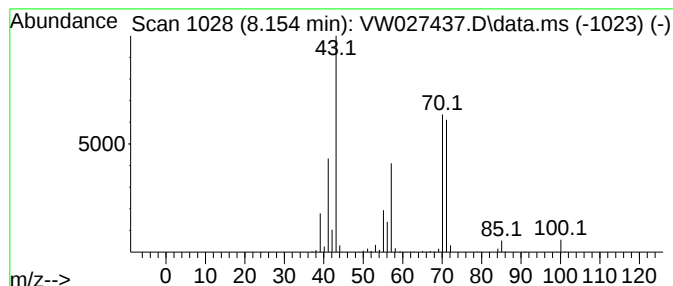
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
8.154	35.90 ug/L	2458680	1,4-Difluorobenzene			8.843
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-		100	C7H16	000589-34-4	90
2	Heptane, 4-methyl-		114	C8H18	000589-53-7	78
3	Heptane, 4-methyl-		114	C8H18	000589-53-7	78
4	Pentane, 2,3,4-trimethyl-		114	C8H18	000565-75-3	72
5	Decane, 3,3,4-trimethyl-		184	C13H28	049622-18-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

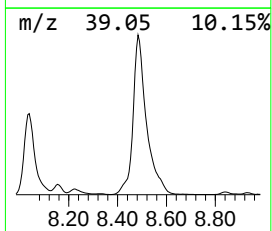
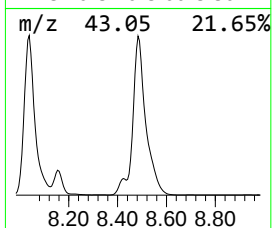
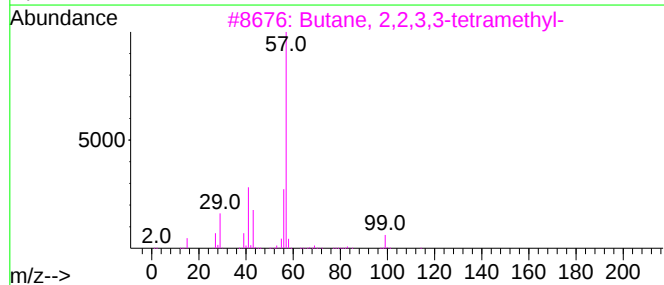
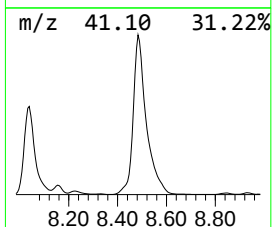
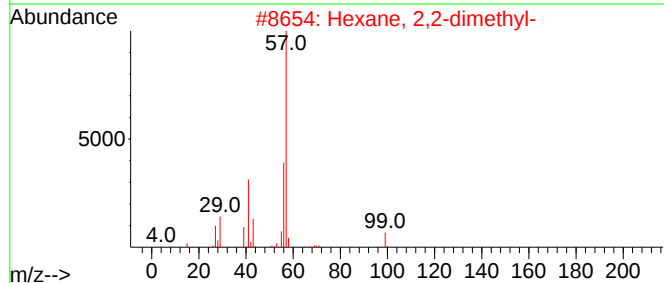
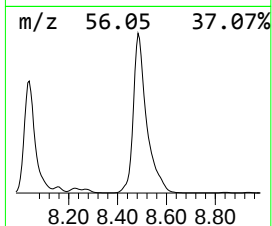
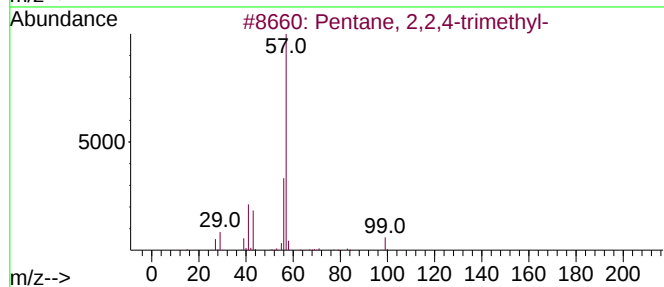
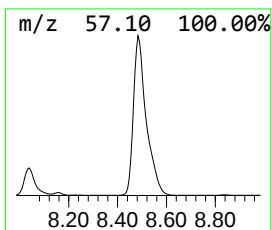
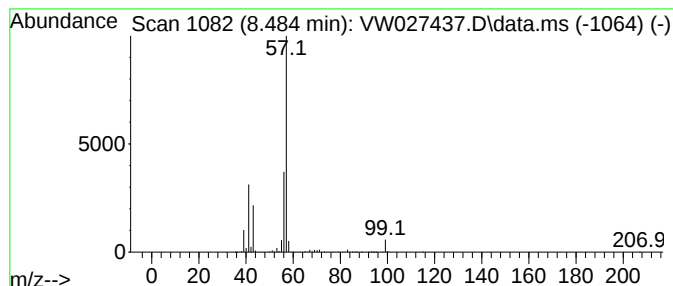
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.484	938.66 ug/L	64277600	1,4-Difluorobenzene	8.843

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

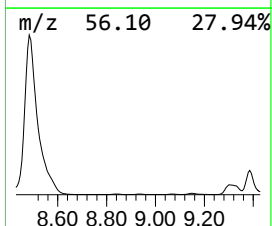
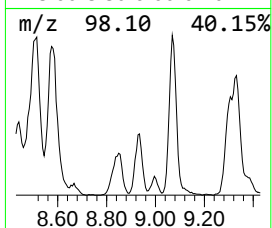
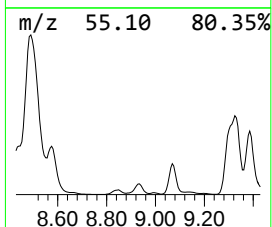
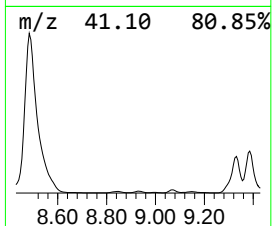
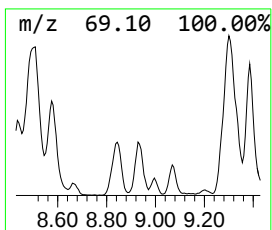
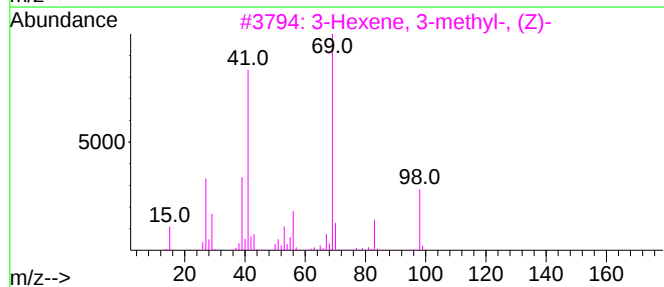
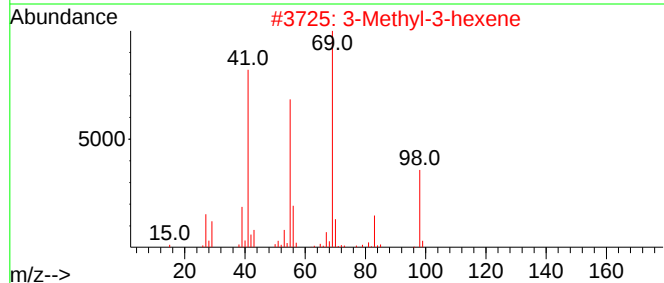
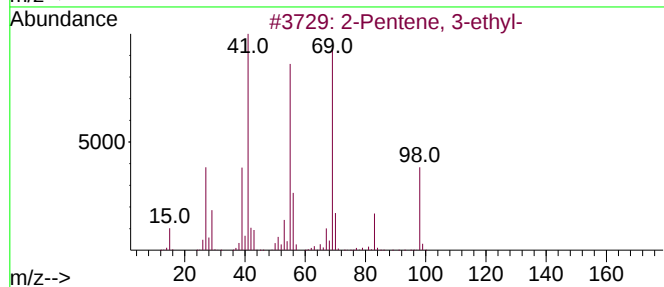
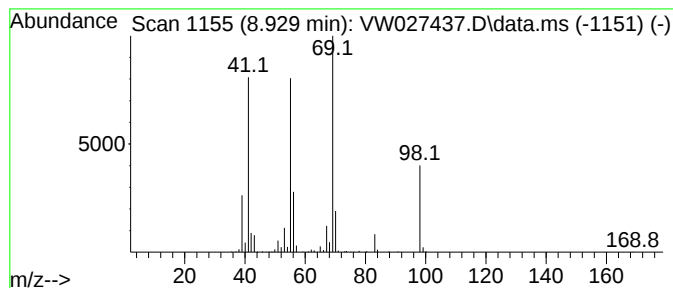
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MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.929	3.92 ug/L	268523	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	91
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	91
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	80
4	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	74
5	3-Heptene, (E)-	98	C7H14	014686-14-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

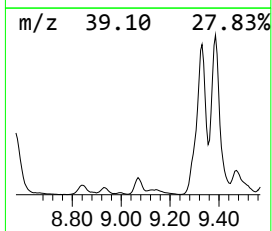
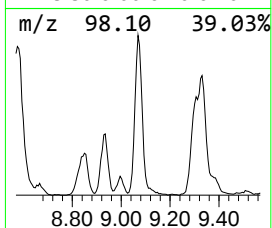
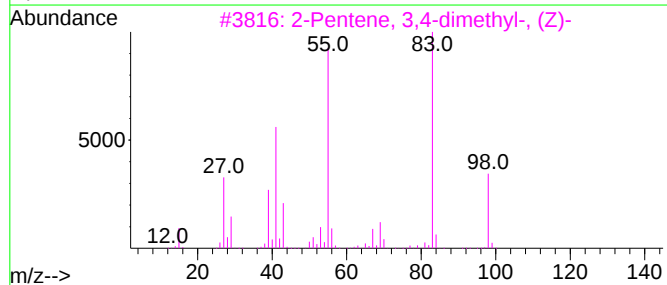
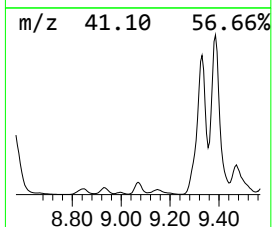
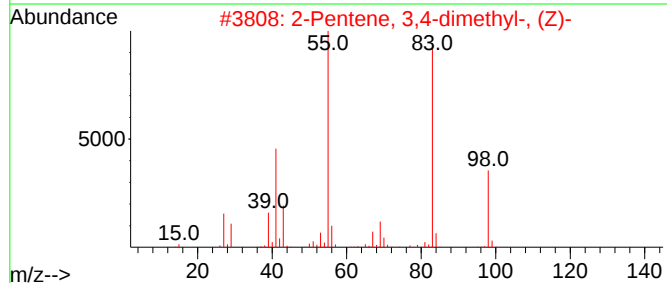
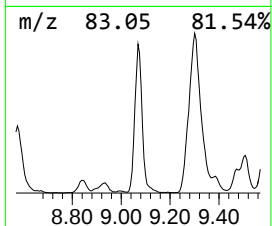
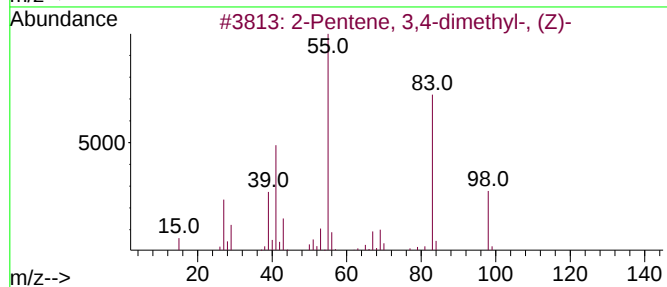
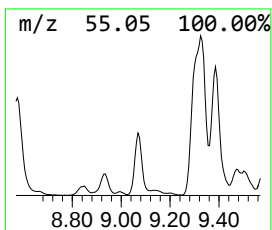
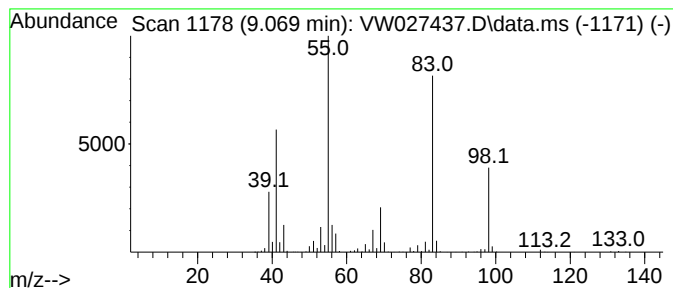
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.069	10.16 ug/L	695418	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	94	
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	91	
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	91	
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	91	
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	91	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

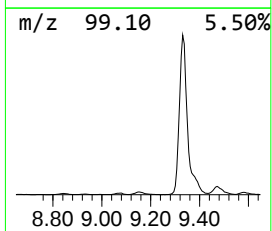
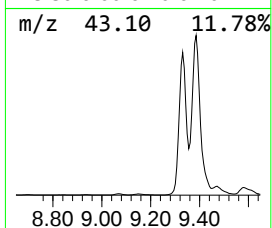
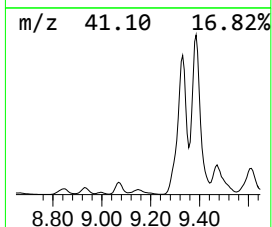
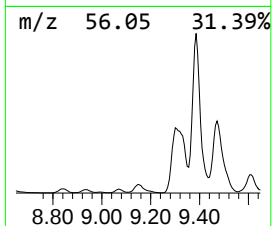
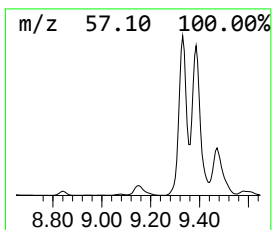
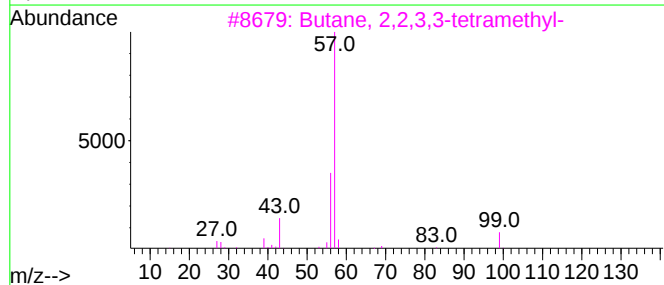
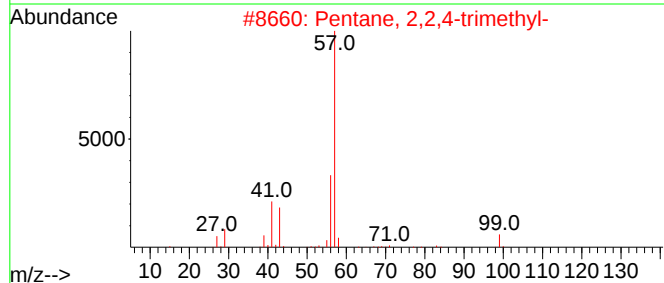
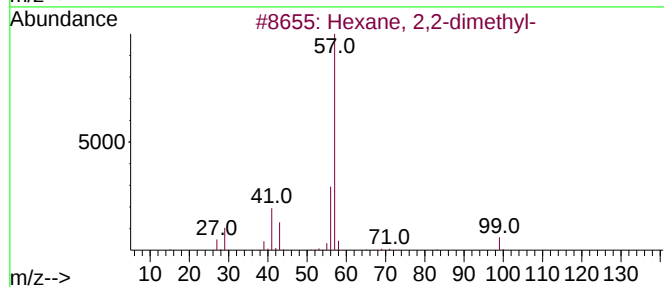
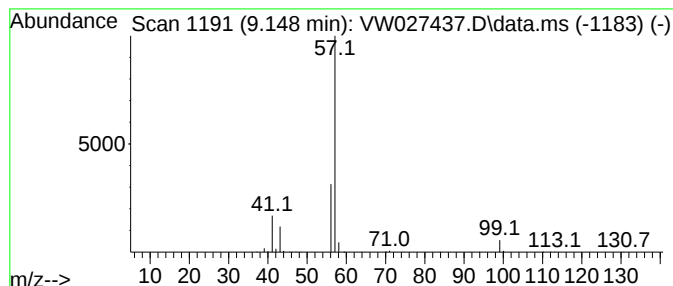
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.148	7.75 ug/L	530621	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	40
4		Methane, isocyanato-	57	C2H3NO	000624-83-9	9
5		Methane, isocyanato-	57	C2H3NO	000624-83-9	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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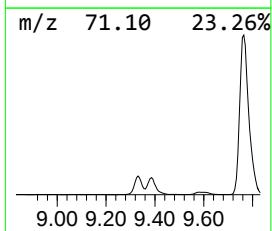
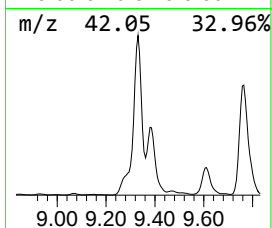
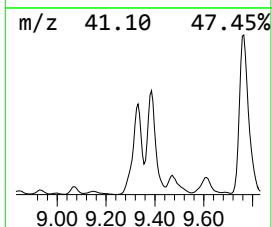
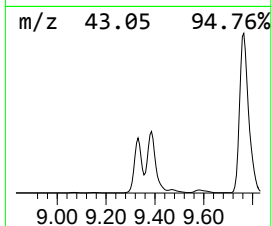
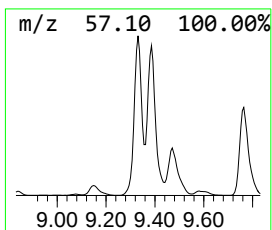
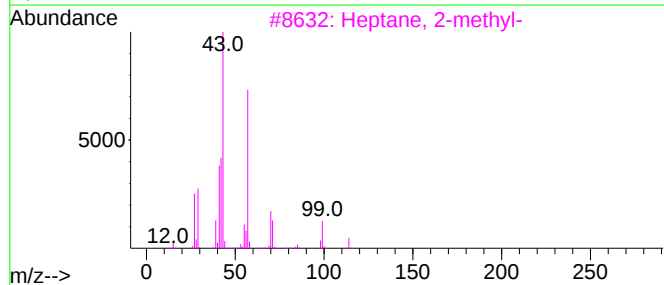
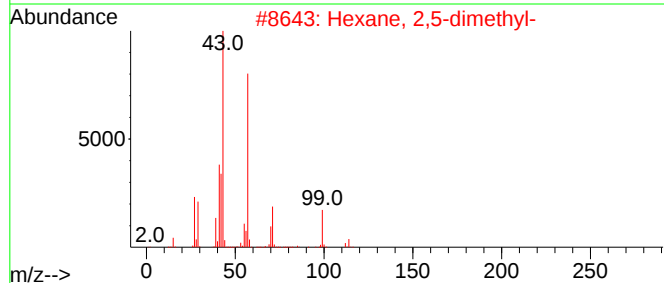
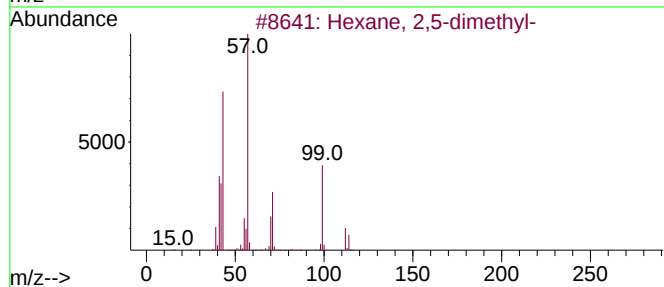
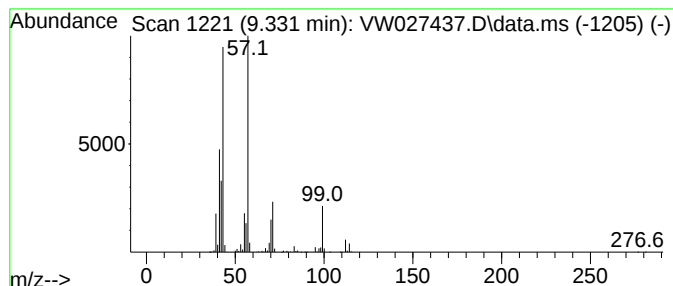
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.331	180.81 ug/L	12381500	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-		114	C8H18	000592-13-2	94
2	Hexane, 2,5-dimethyl-		114	C8H18	000592-13-2	91
3	Heptane, 2-methyl-		114	C8H18	000592-27-8	80
4	Heptane, 2-methyl-		114	C8H18	000592-27-8	80
5	Octane, 2,7-dimethyl-		142	C10H22	001072-16-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

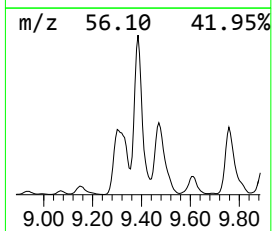
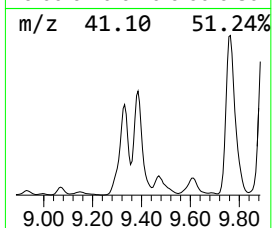
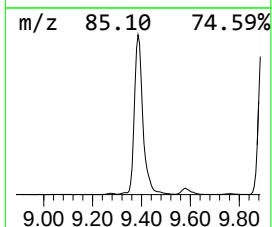
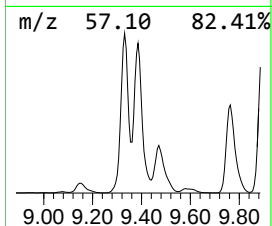
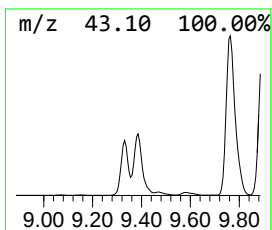
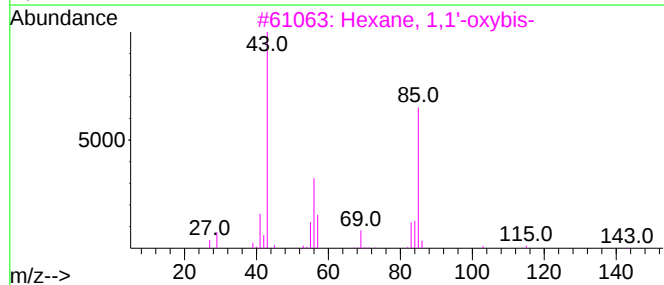
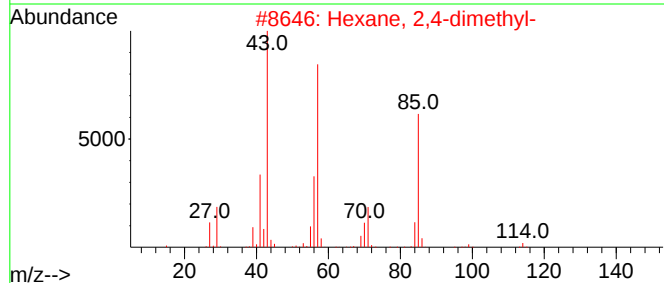
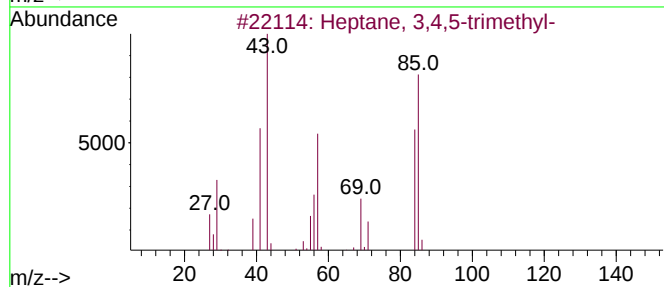
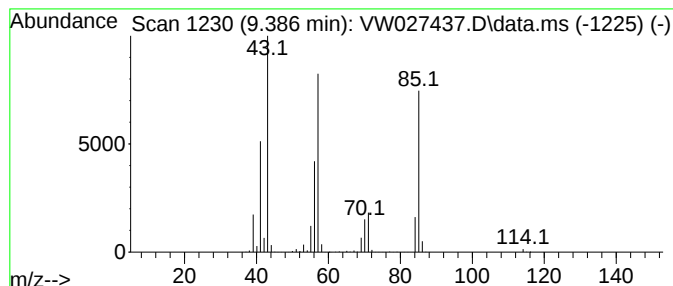
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.386	175.51 ug/L	12018800	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	70
3		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
4		Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

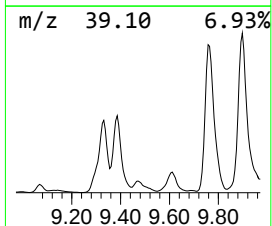
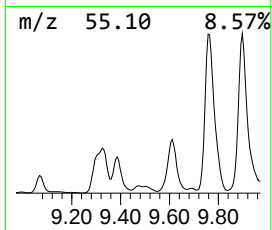
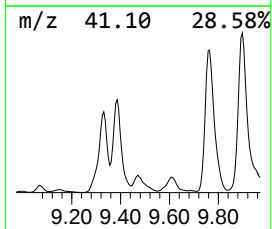
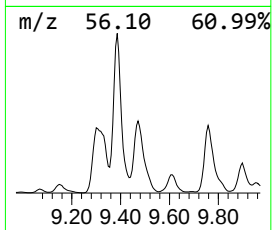
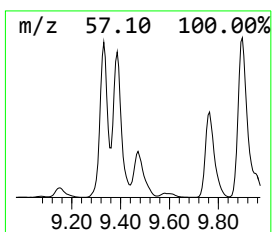
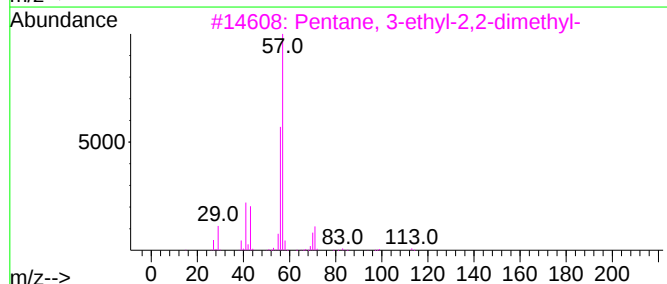
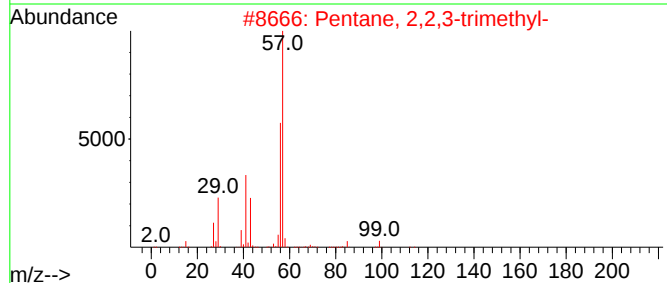
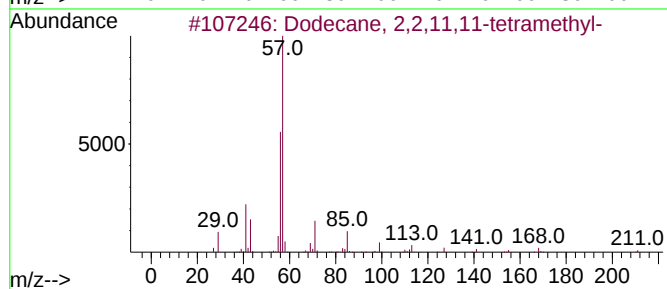
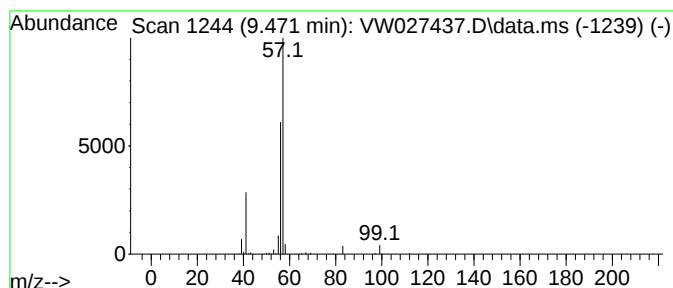
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.471	32.22 ug/L	2206460	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	56
2		Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	56
3		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
4		Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	50
5		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

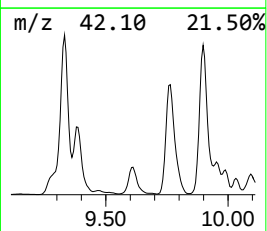
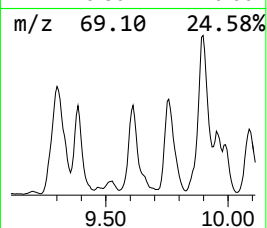
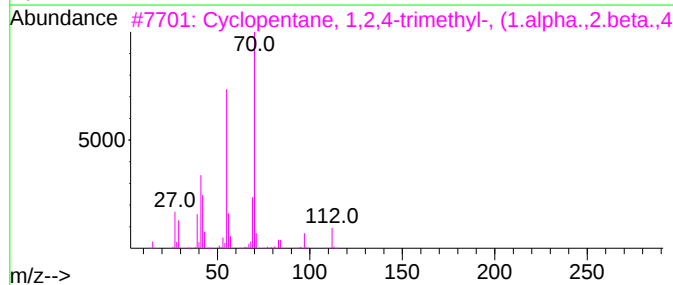
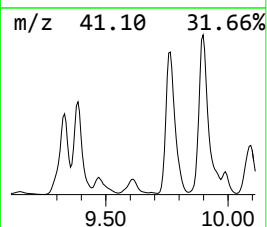
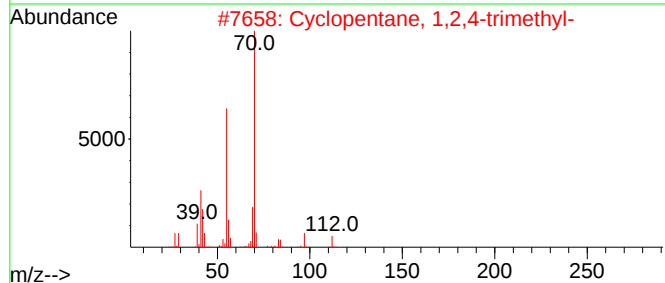
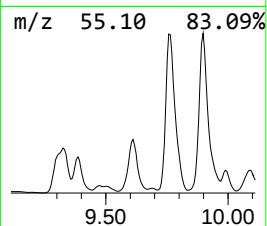
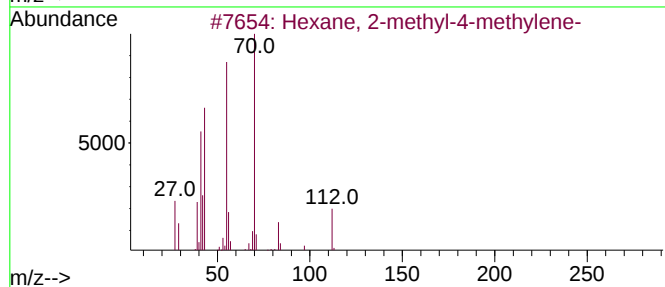
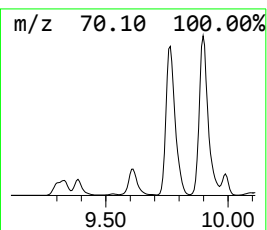
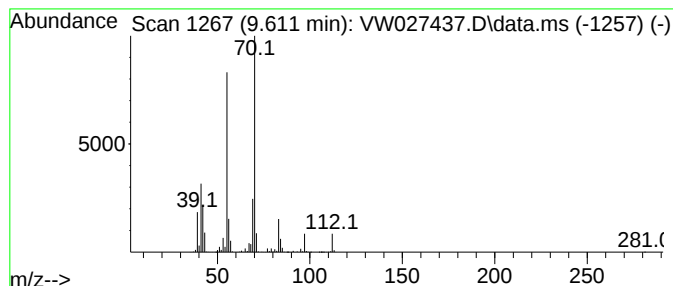
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.611	43.14 ug/L	2953950	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	91
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
4		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
5		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

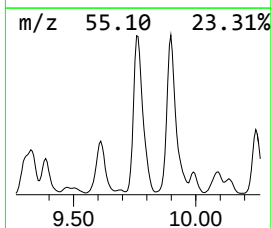
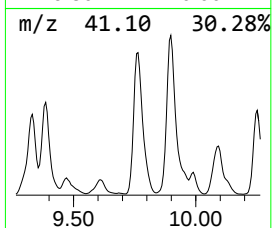
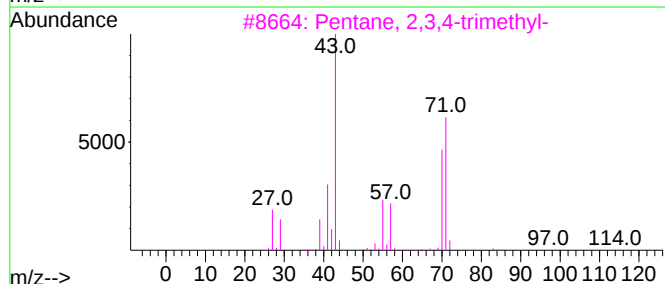
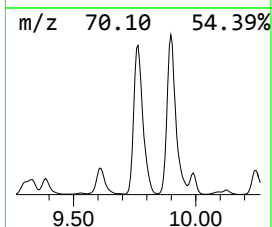
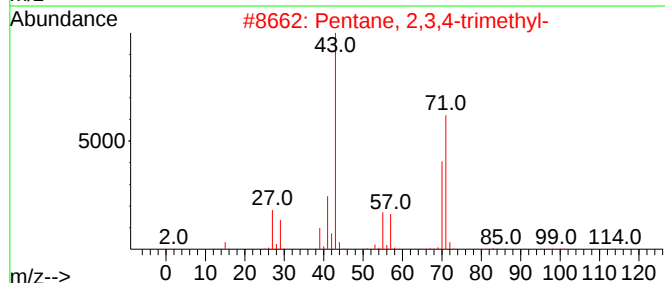
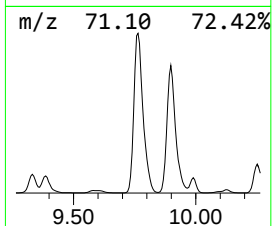
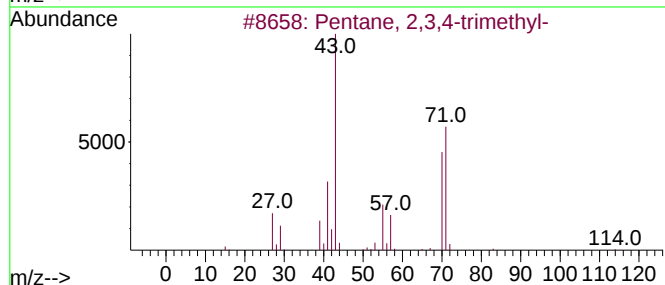
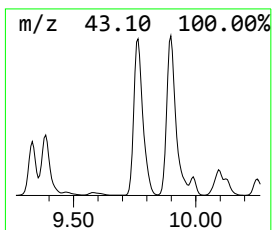
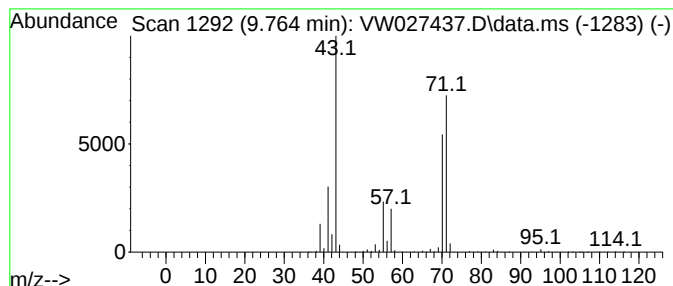
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.764	396.78 ug/L	27170600	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

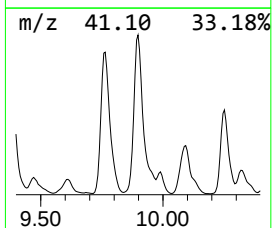
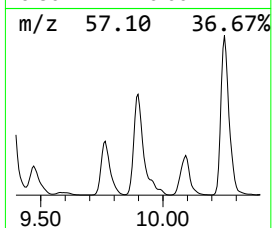
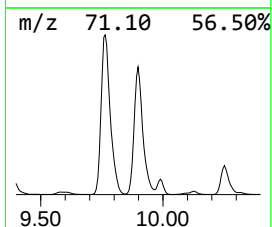
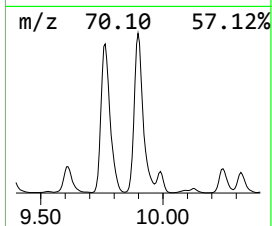
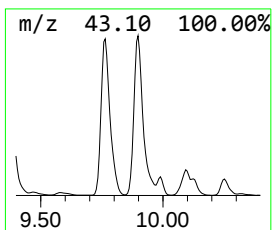
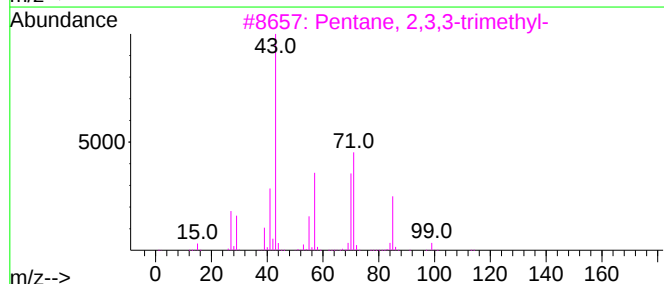
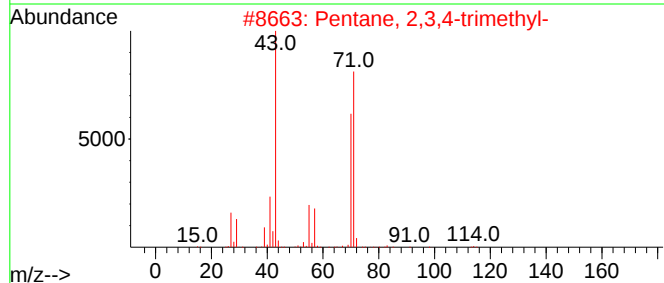
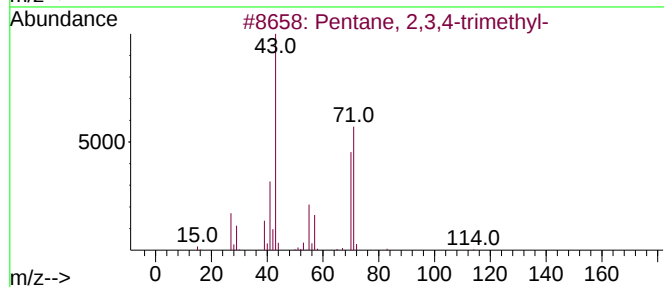
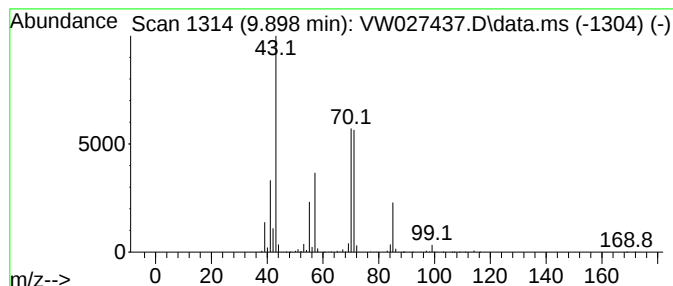
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	457.98 ug/L	31361900	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	81
2		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
3		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

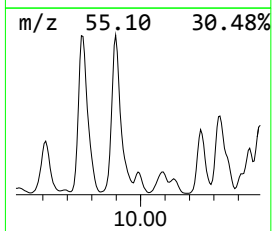
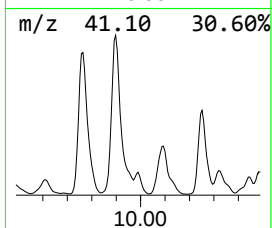
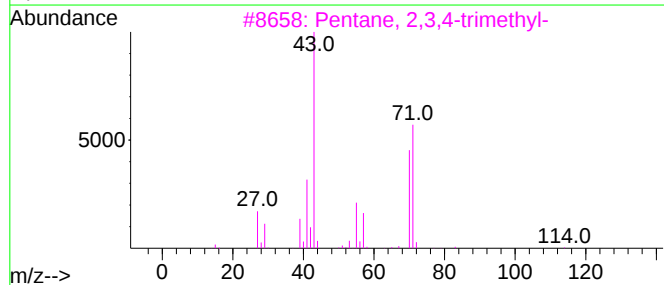
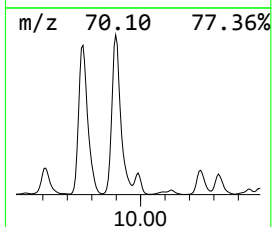
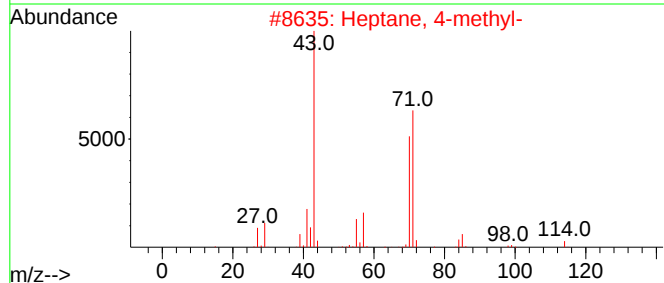
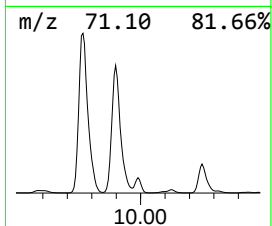
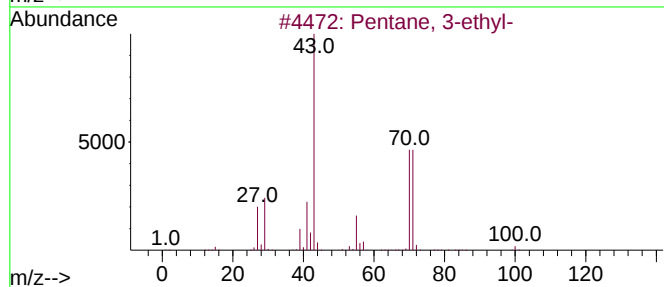
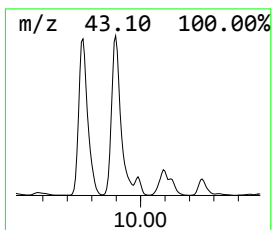
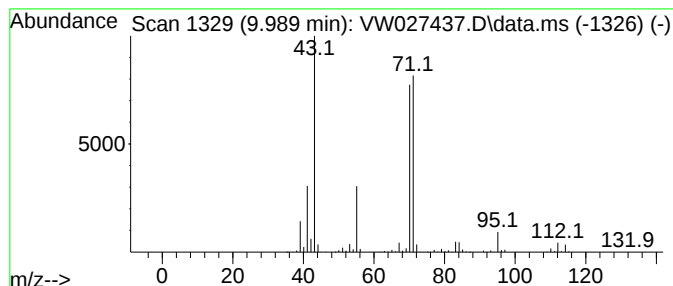
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.989	42.26 ug/L	2893790	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4		Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

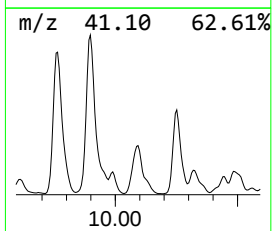
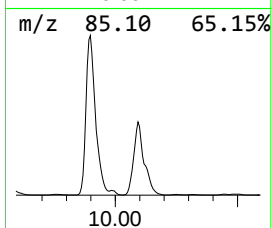
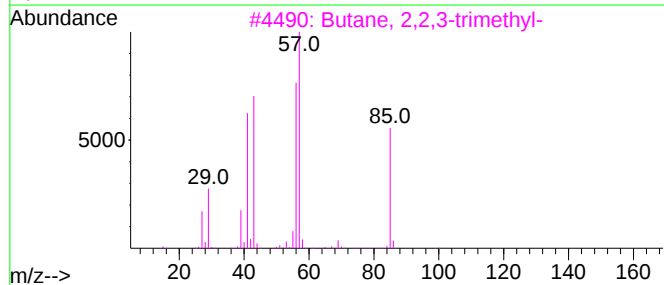
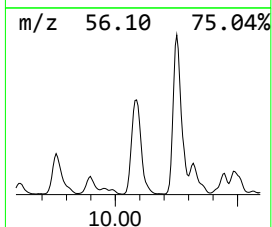
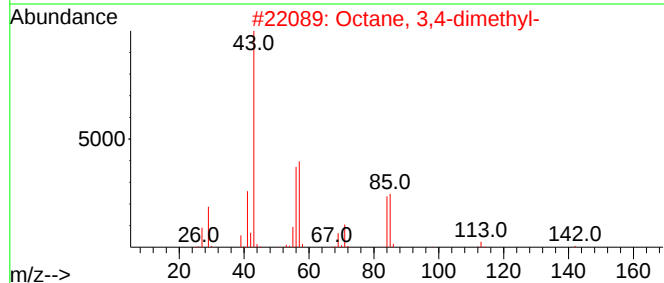
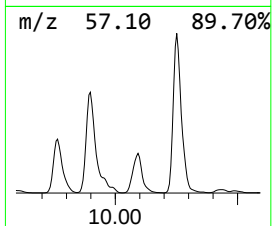
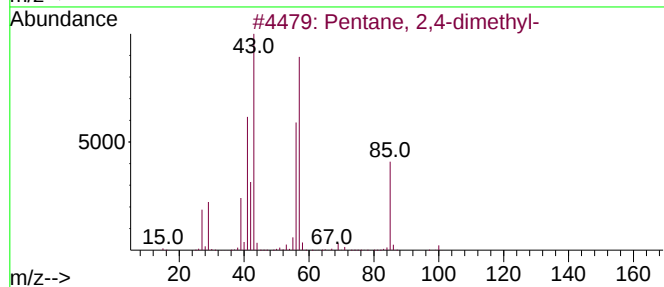
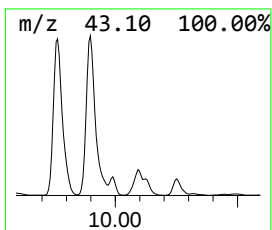
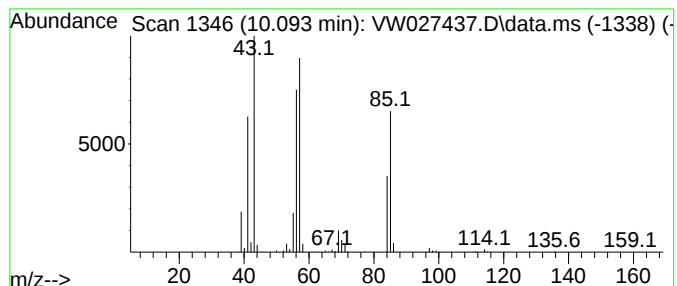
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	115.94 ug/L	7939630	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
2			Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	64
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4			Heptane, 3-methyl-	114	C8H18	000589-81-1	56
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

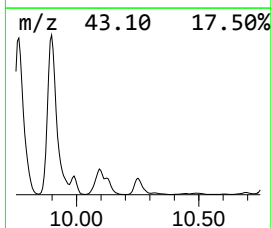
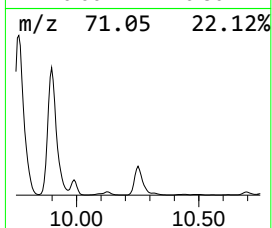
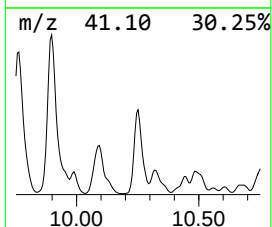
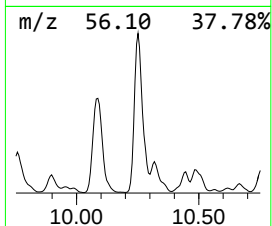
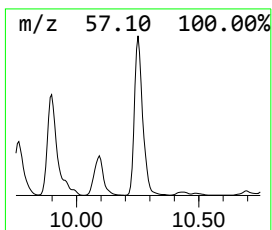
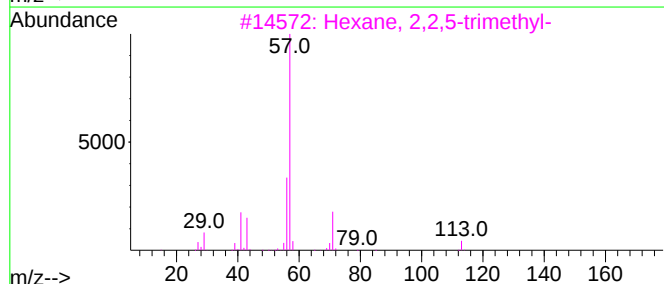
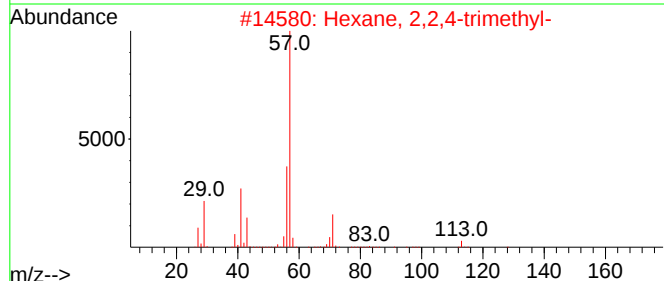
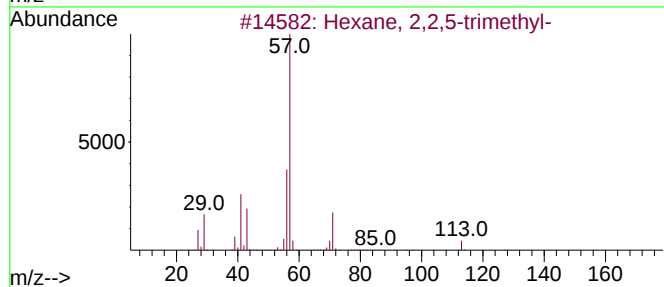
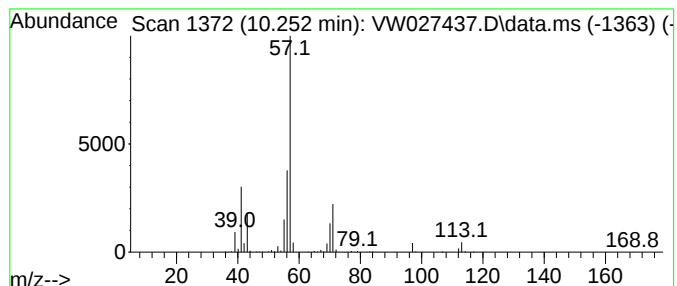
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.252	83.40 ug/L	11344100	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
2			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
4			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
5			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

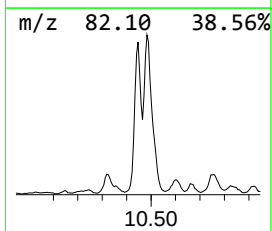
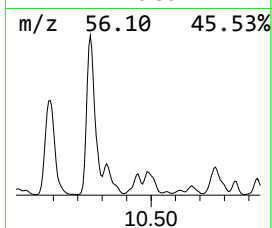
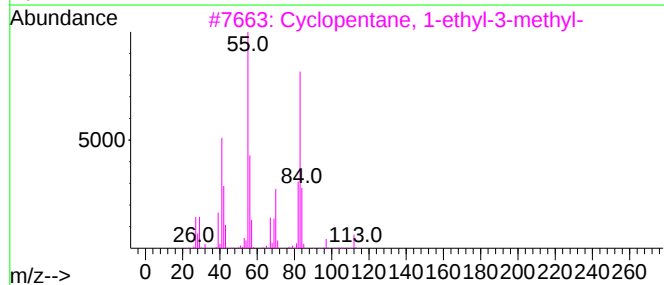
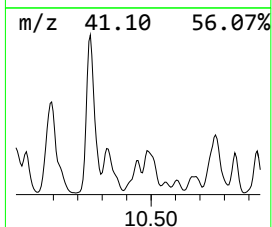
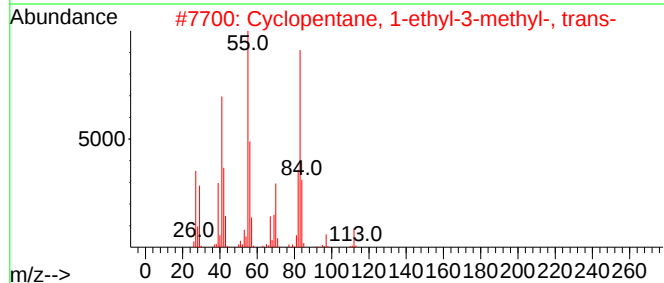
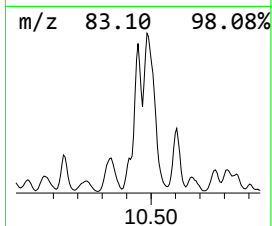
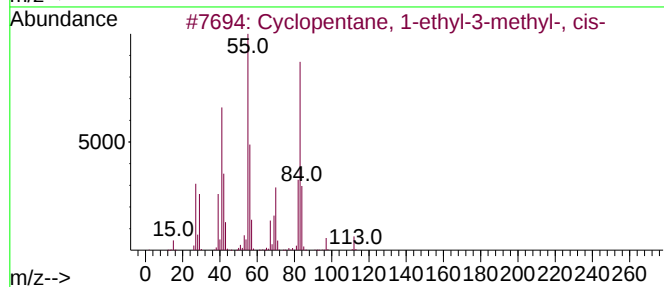
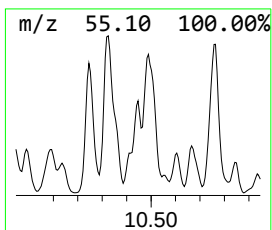
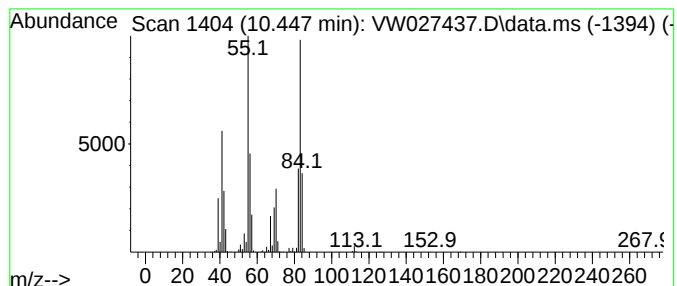
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic10.447 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.447	16.65 ug/L	2264260	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	96
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	94
3		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
4		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	59
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

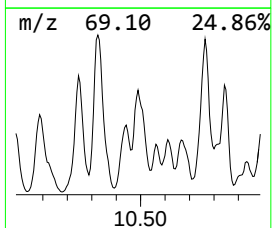
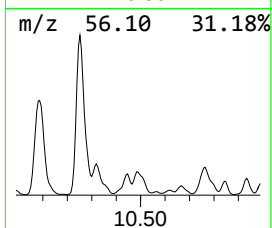
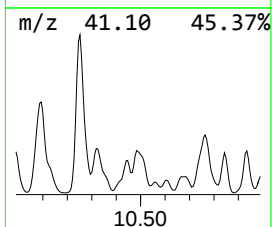
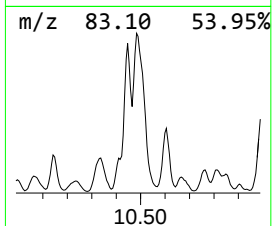
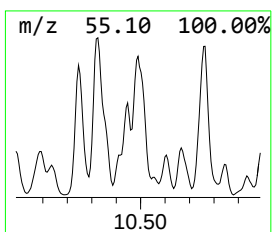
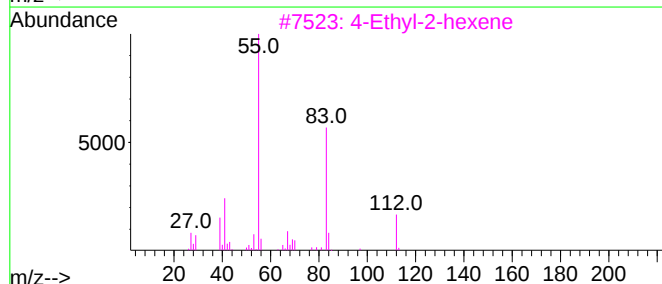
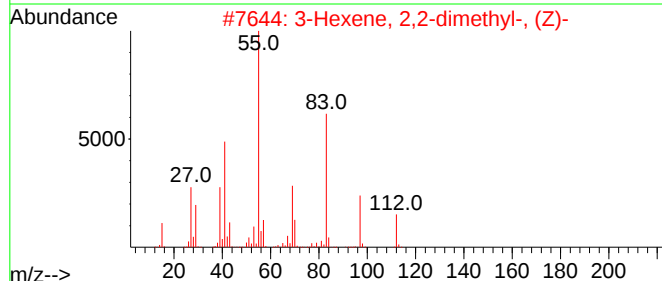
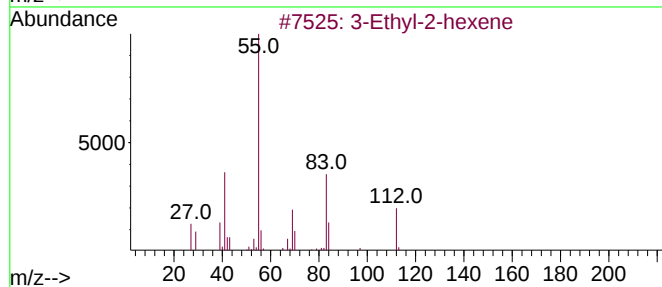
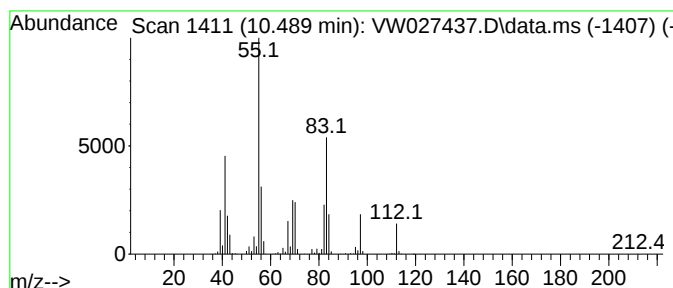
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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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 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.489	30.10 ug/L	4094080	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Ethyl-2-hexene		112	C8H16	000620-00-8	49
2	3-Hexene, 2,2-dimethyl-, (Z)-		112	C8H16	000690-92-6	49
3	4-Ethyl-2-hexene		112	C8H16	019780-46-2	46
4	3-Ethyl-2-hexene		112	C8H16	000620-00-8	46
5	3-Heptene, 5-methyl-		112	C8H16	013172-91-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

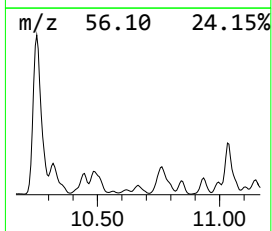
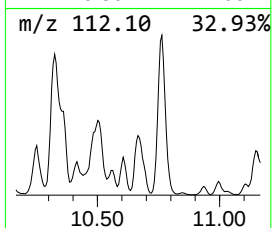
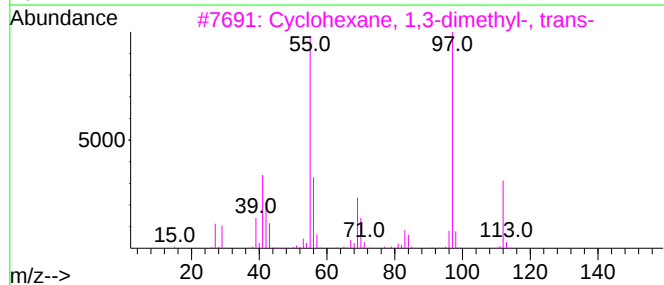
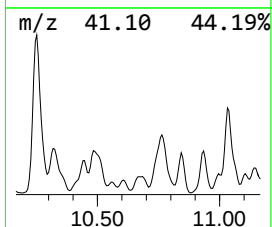
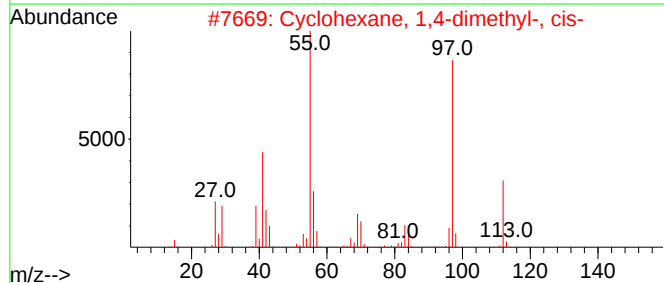
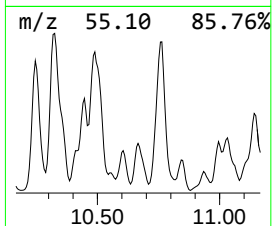
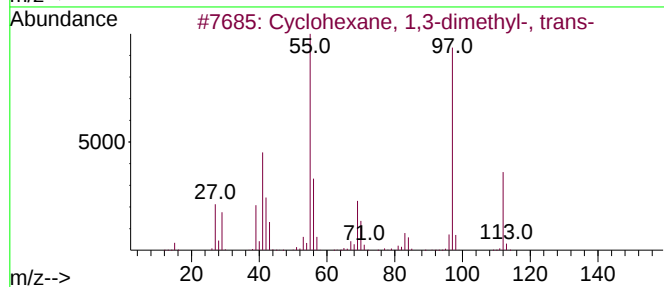
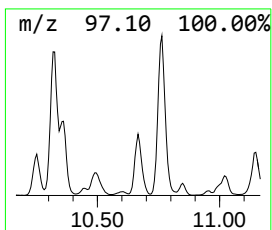
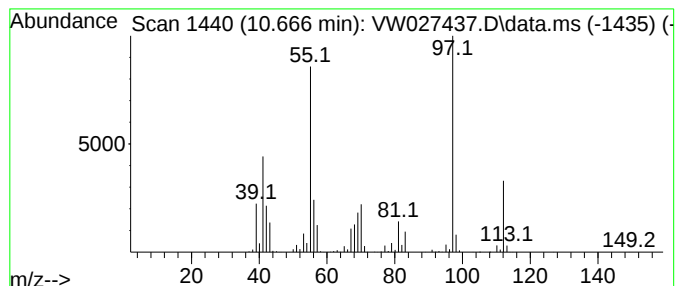
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic10.666 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.666	10.02 ug/L	1363160	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

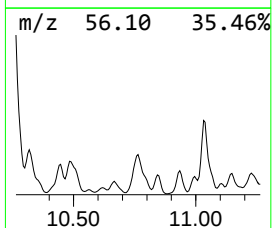
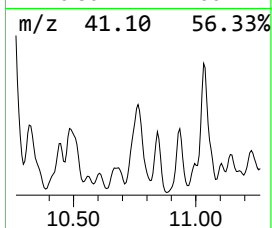
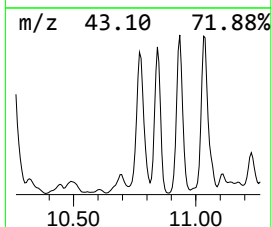
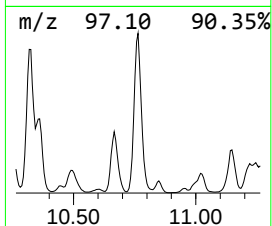
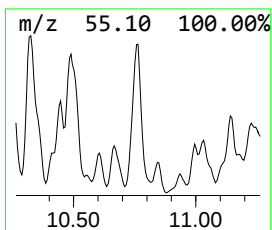
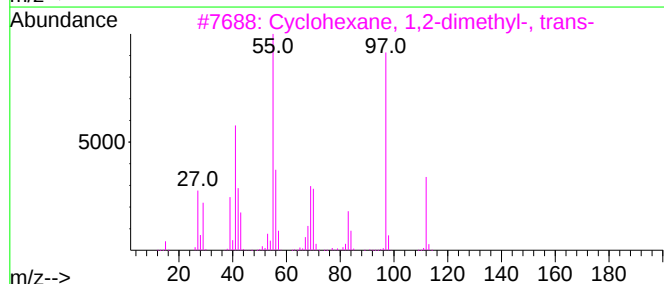
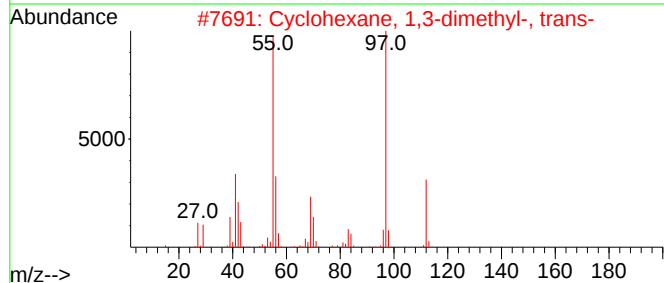
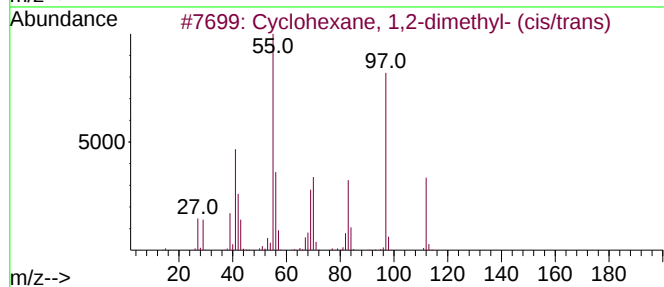
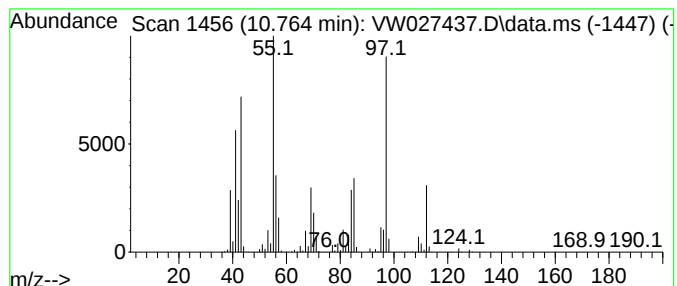
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic10.764 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.764	55.31 ug/L	7523690	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	70
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	70
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

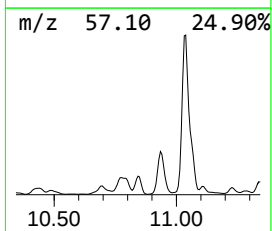
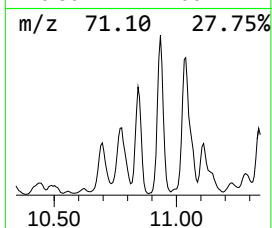
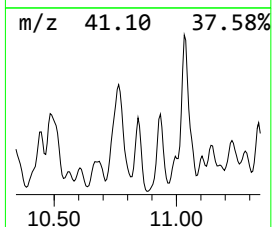
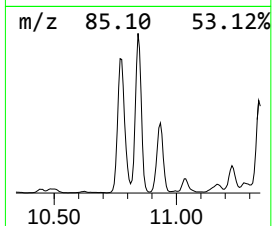
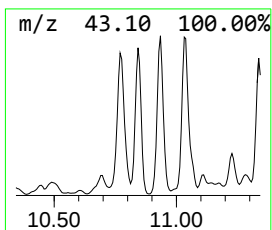
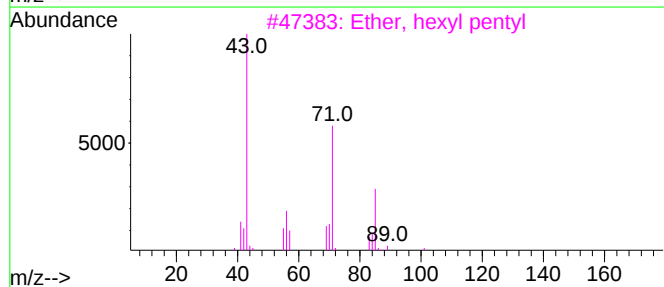
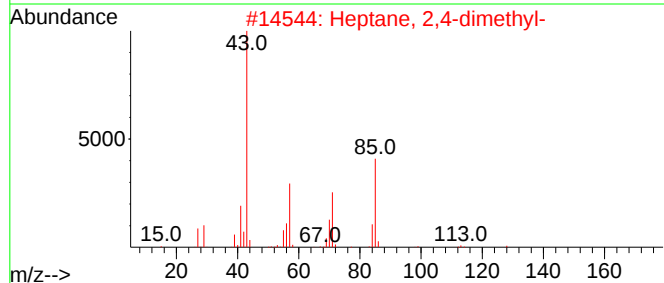
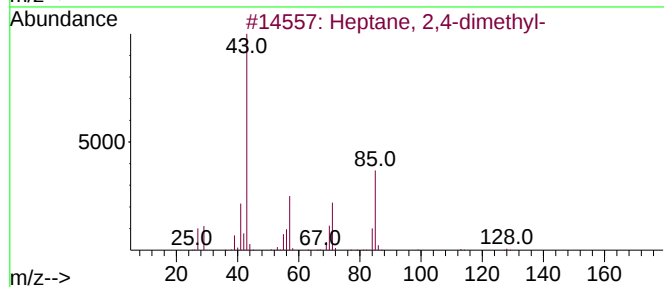
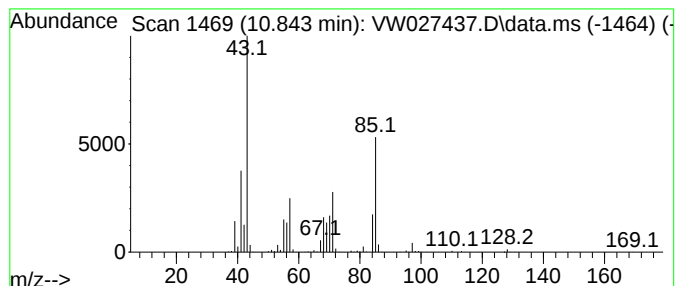
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.843	18.88 ug/L	2567880	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	87
2	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	87
3	Ether, hexyl pentyl		172	C11H24O	032357-83-8	64
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	62
5	Pentane, 3-ethyl-2,4-dimethyl-		128	C9H20	001068-87-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

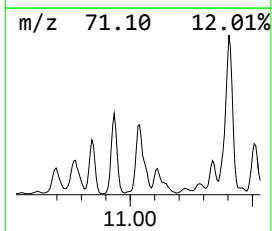
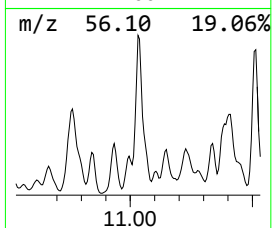
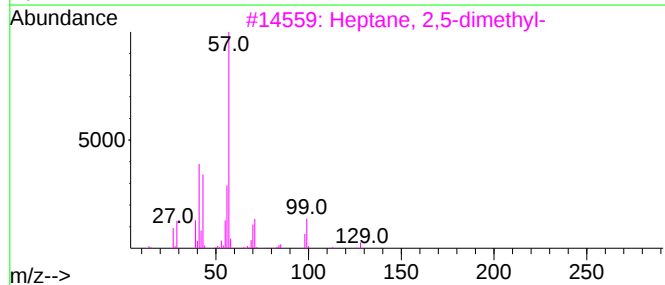
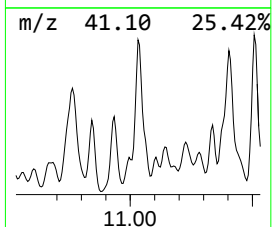
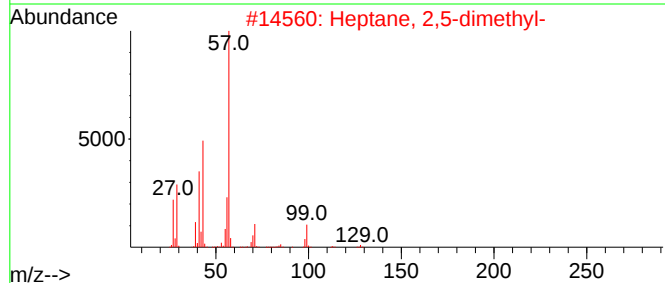
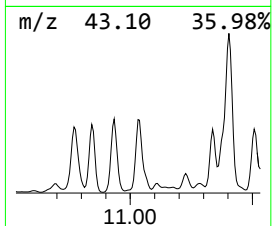
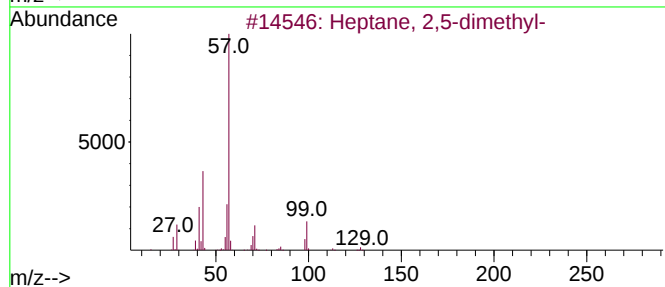
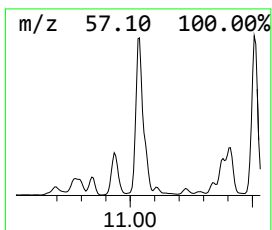
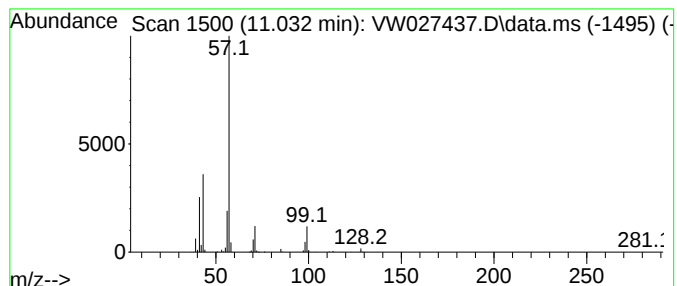
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Quant Title : SFAM01.0

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.
11.032	35.91 ug/L	4884230	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
5		Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

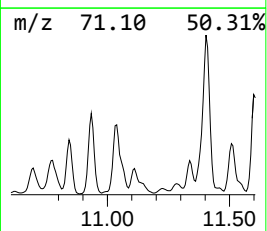
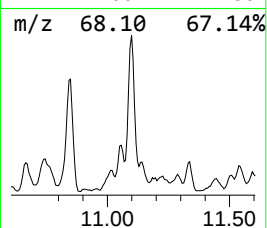
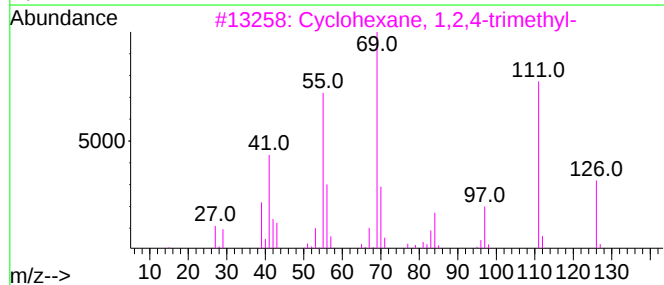
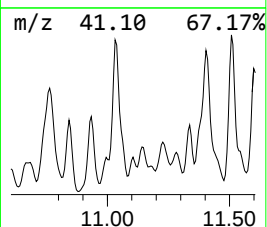
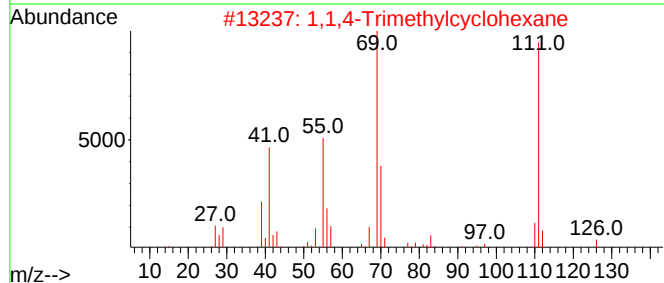
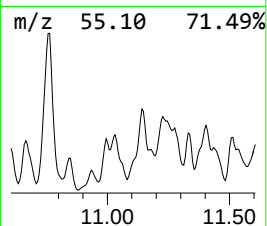
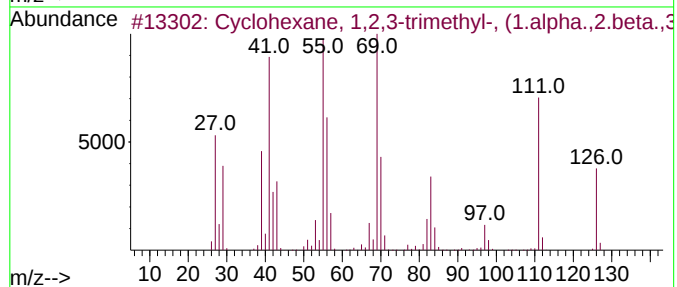
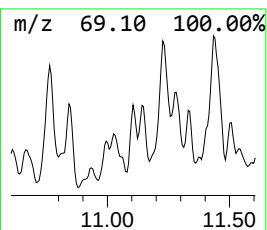
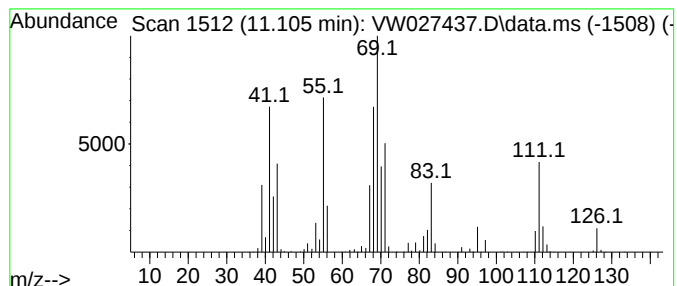
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic11.105 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	3.92 ug/L	533328	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	50
2			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
4			Cyclopentane, butyl-	126	C9H18	002040-95-1	42
5			2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

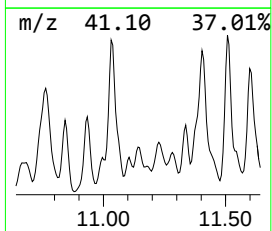
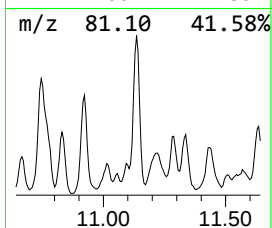
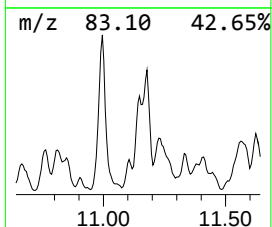
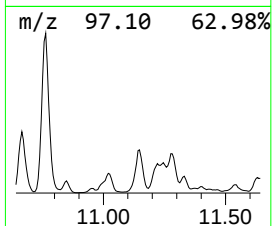
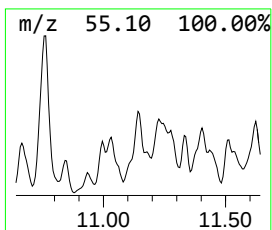
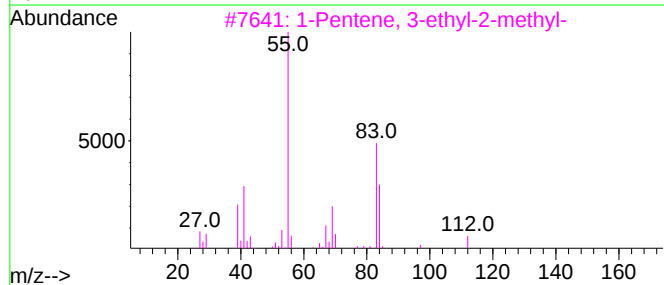
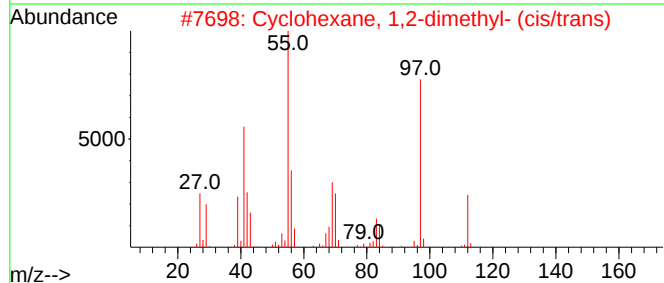
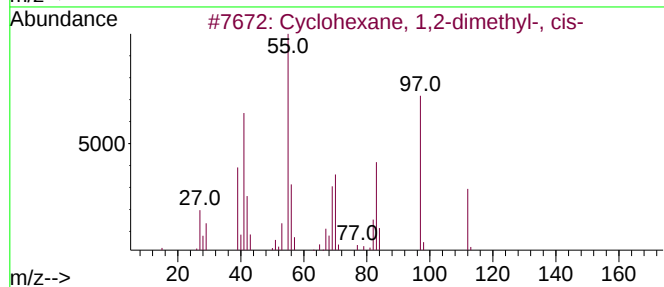
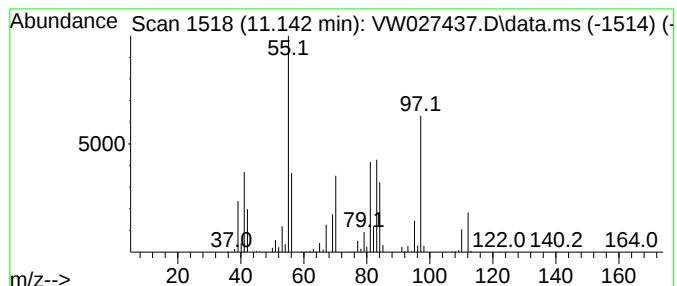
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic11.142 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.142	6.33 ug/L	860943	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	52
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	52
3		1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	43
4		3-Octene, (Z)-	112	C8H16	014850-22-7	43
5		Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

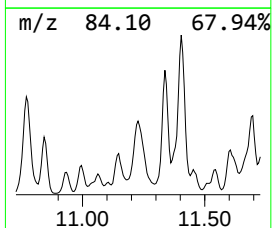
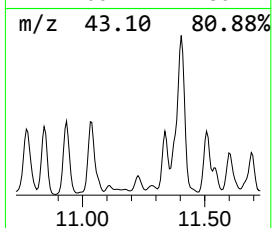
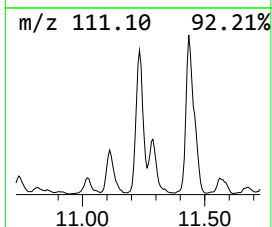
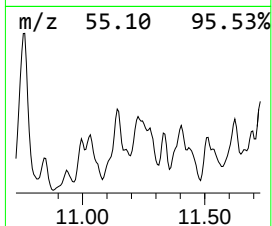
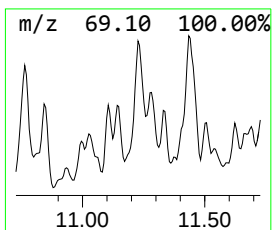
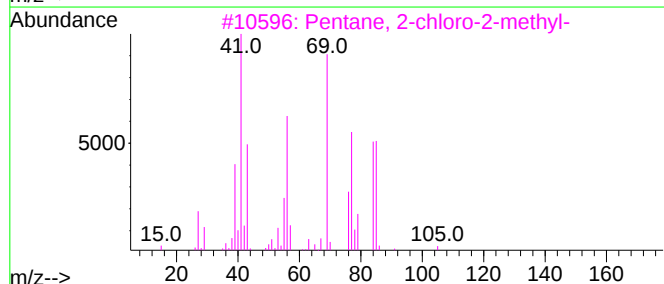
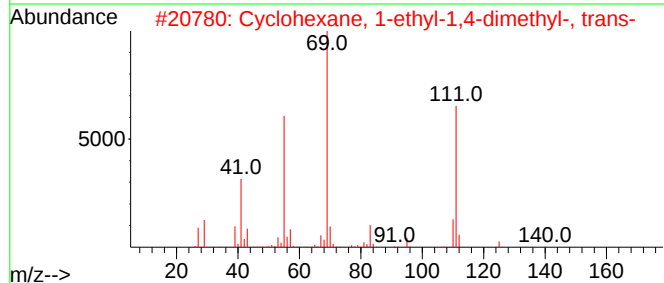
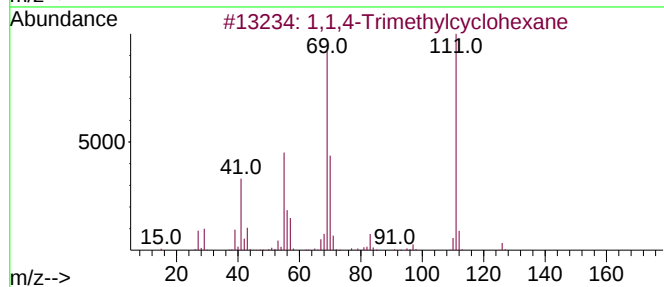
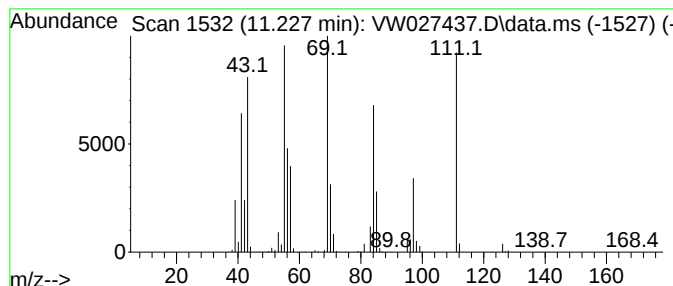
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic11.227 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.227	8.67 ug/L	1178790	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
2	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	43
3	Pentane, 2-chloro-2-methyl-	120	C6H13Cl	004325-48-8	35
4	Cyclooctane, methyl-	126	C9H18	001502-38-1	35
5	1-(1-Methyl-1H-1,2,4-triazol-5-y...	126	C5H10N4	1000387-15-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

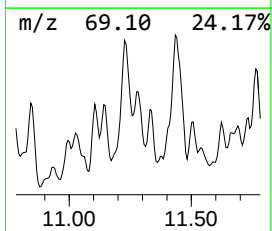
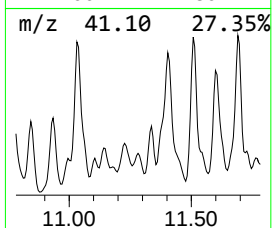
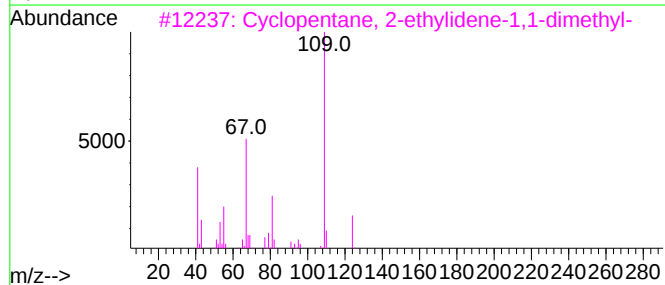
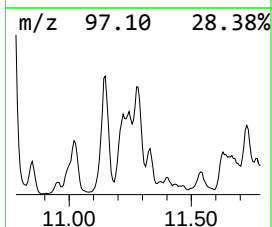
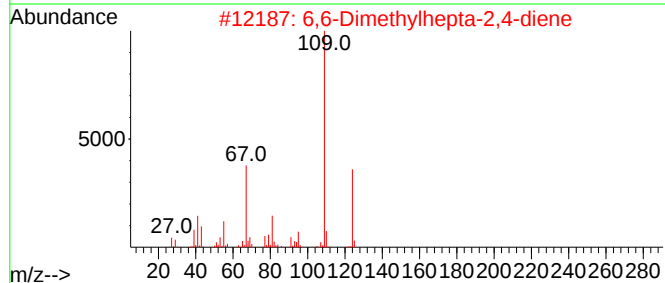
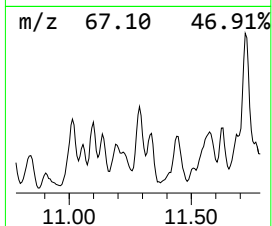
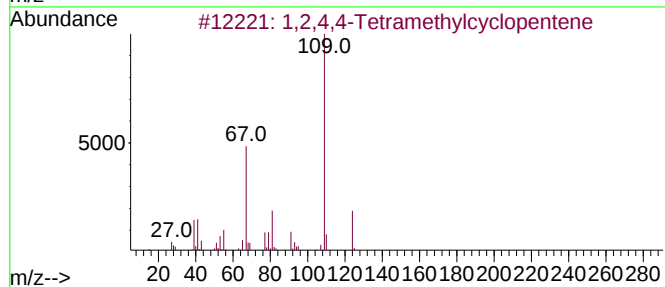
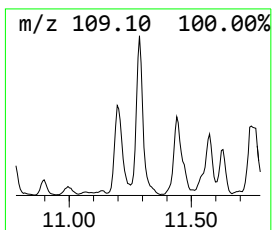
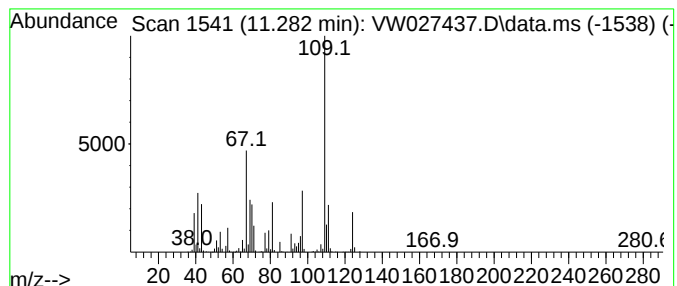
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Quant Title : SFAM01.0

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

Peak Number 34 1,2,4,4-Tetramethylcyclopentene... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	5.36 ug/L	729735	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	93
2		6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	64
3		Cyclopentane, 2-ethylidene-1,1-dimethyl-	124	C9H16	056324-66-4	62
4		1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	50
5		3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

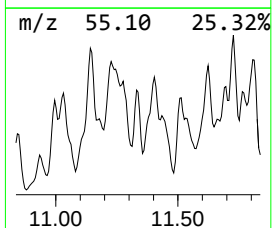
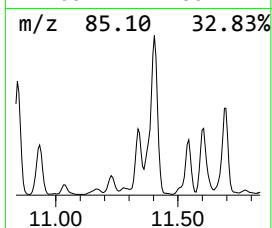
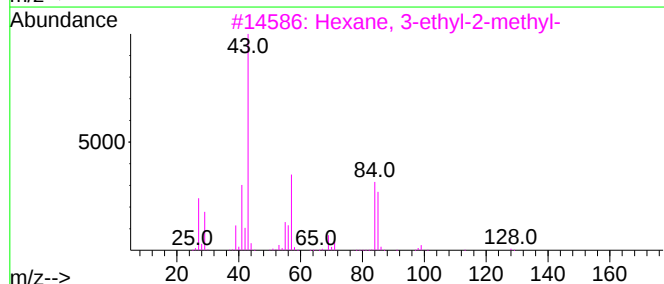
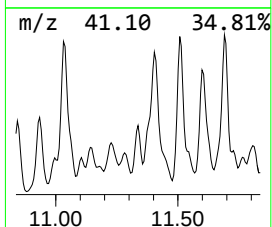
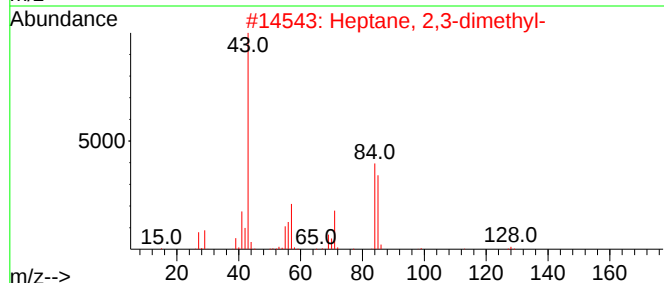
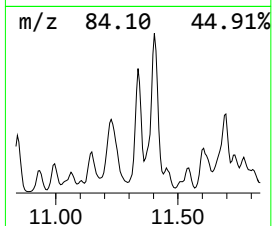
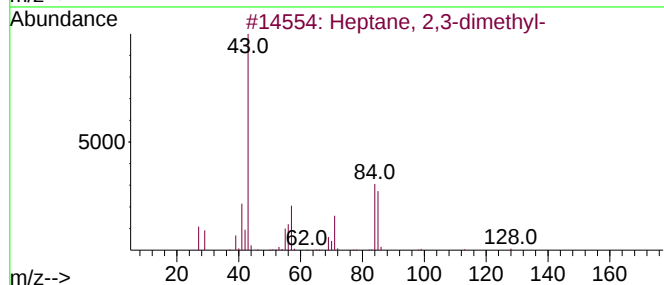
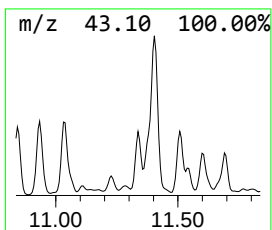
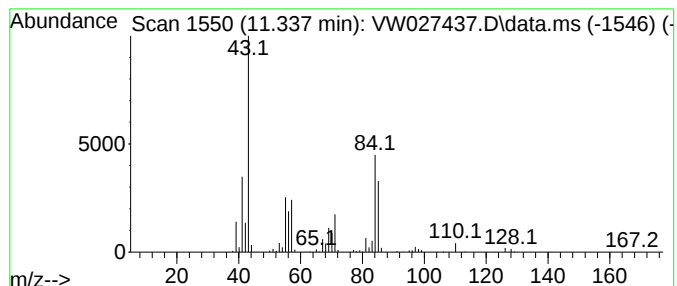
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.337	10.23 ug/L	1391200	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	86
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	78
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

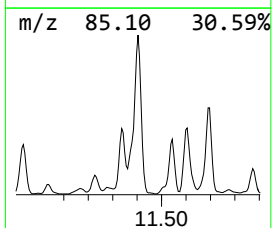
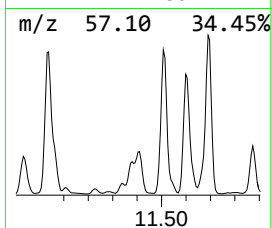
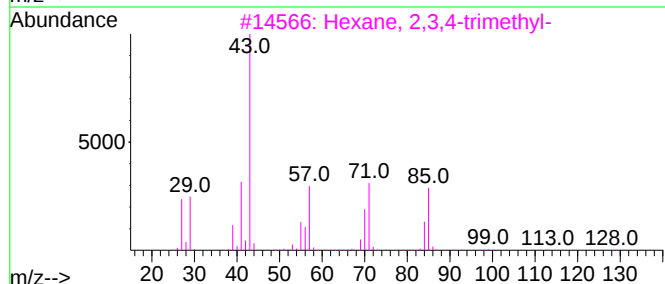
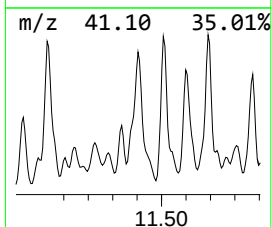
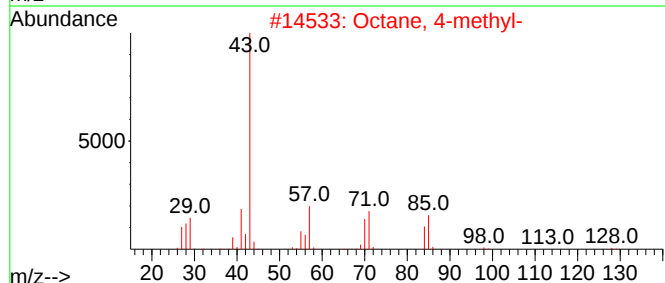
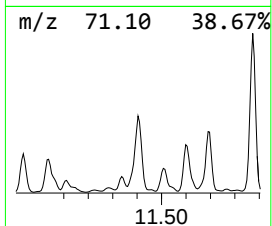
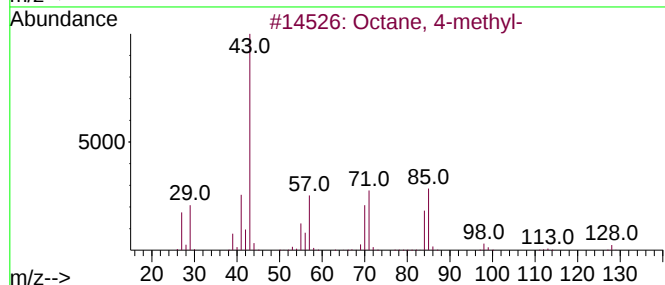
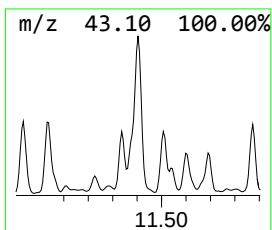
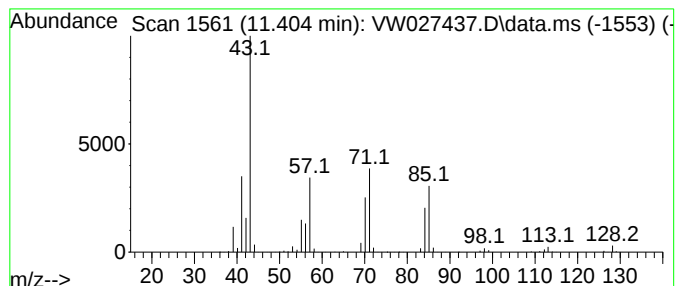
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.404	53.92 ug/L	7333920	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-		128	C9H20	002216-34-4	91
2	Octane, 4-methyl-		128	C9H20	002216-34-4	86
3	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	72
4	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	72
5	Dichloroacetic acid, 4-methylpen...		212	C8H14Cl2O2	1000282-43-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

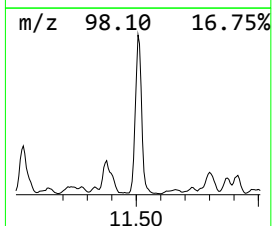
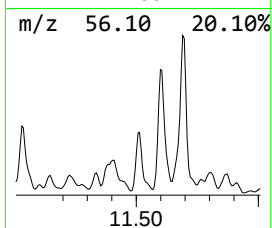
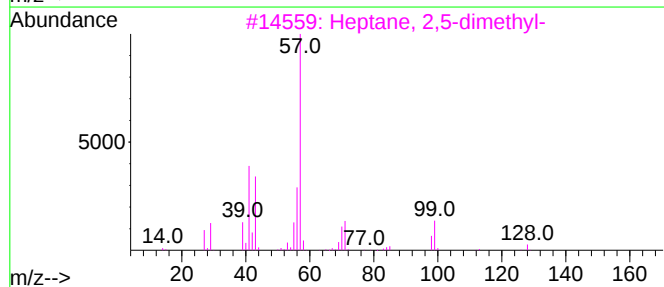
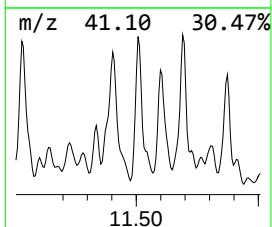
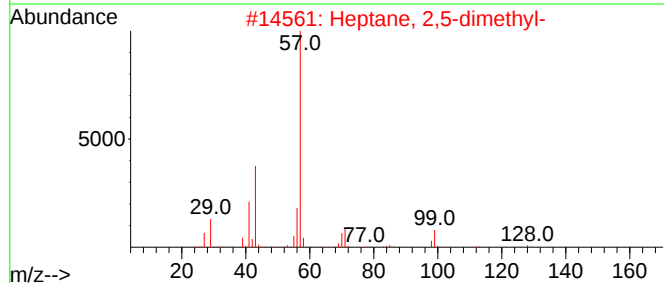
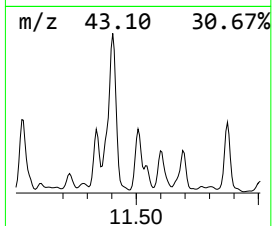
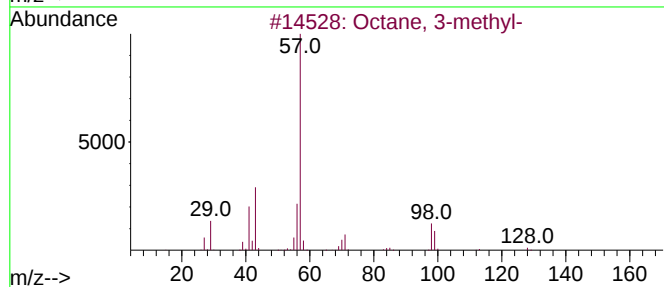
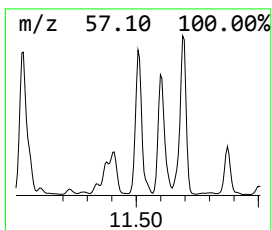
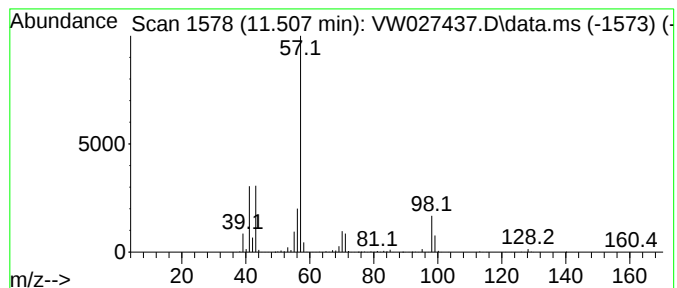
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	31.85 ug/L	4332860	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4		Octane, 3-methyl-	128	C9H20	002216-33-3	64
5		Octane, 3-methyl-	128	C9H20	002216-33-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

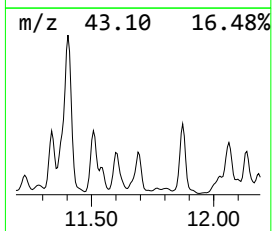
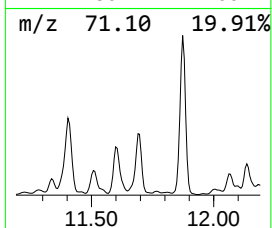
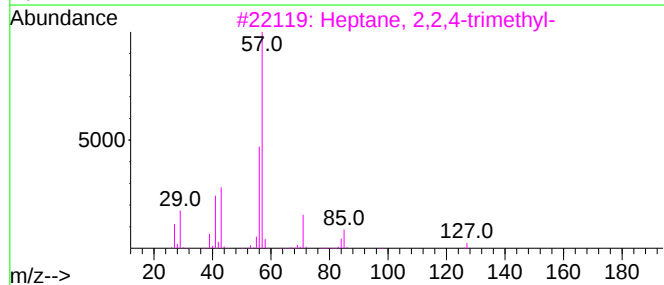
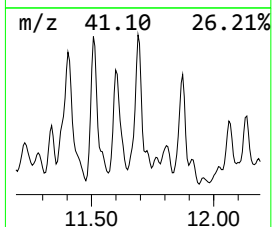
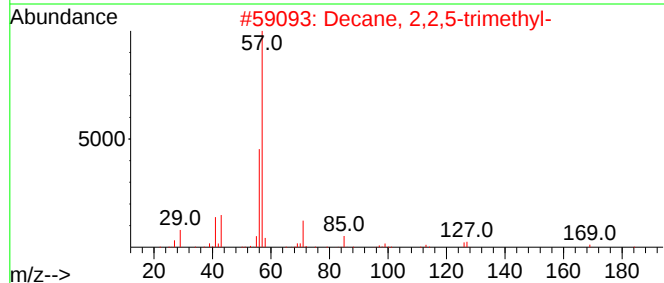
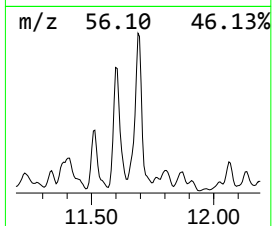
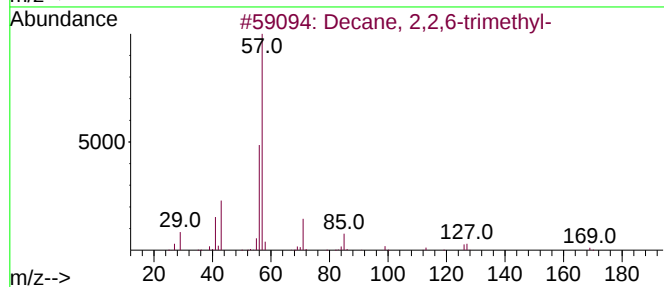
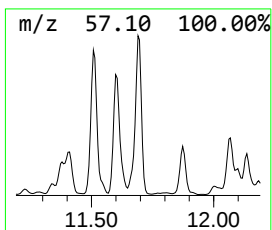
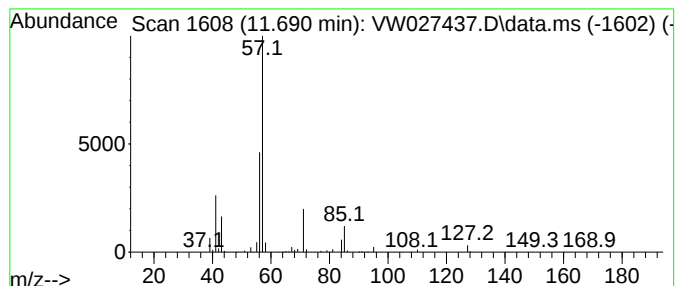
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.690	29.63 ug/L	4030170	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	78
2	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72
3	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	72
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72
5	Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

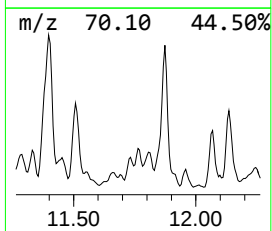
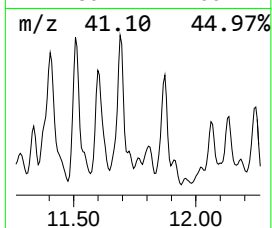
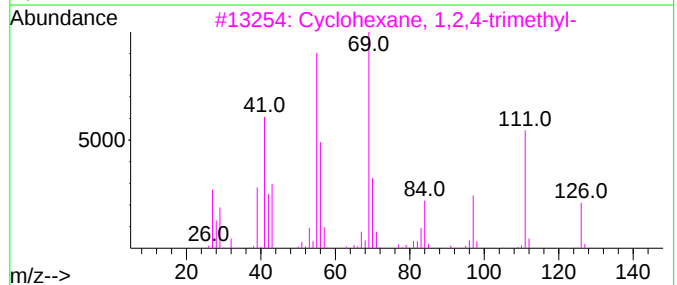
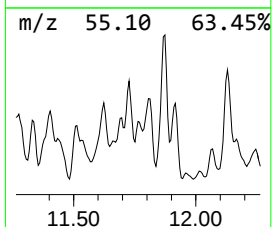
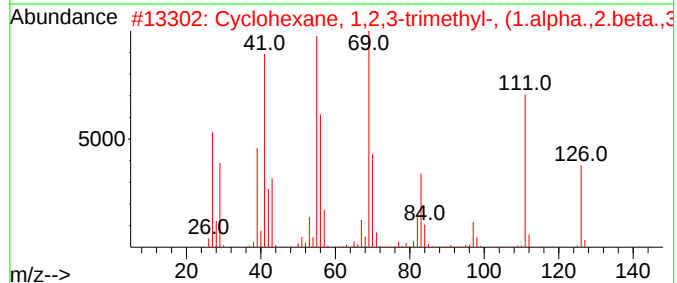
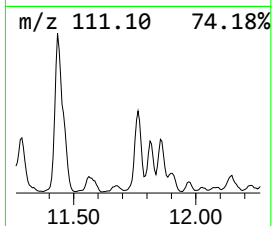
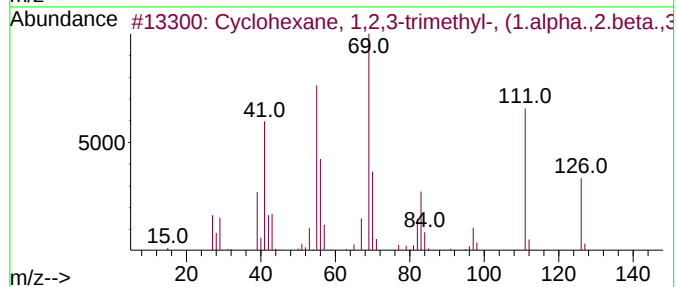
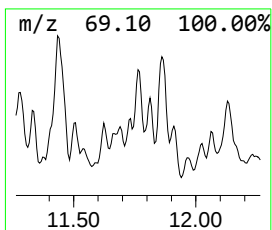
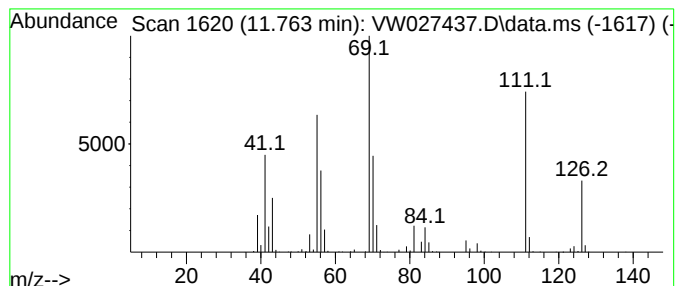
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic11.763 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	1.80 ug/L	245132	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	91
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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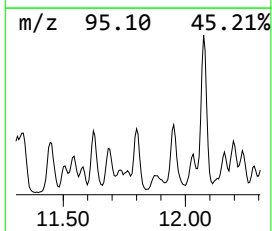
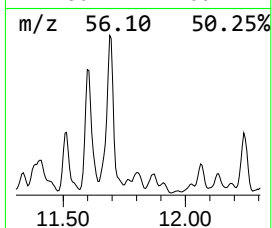
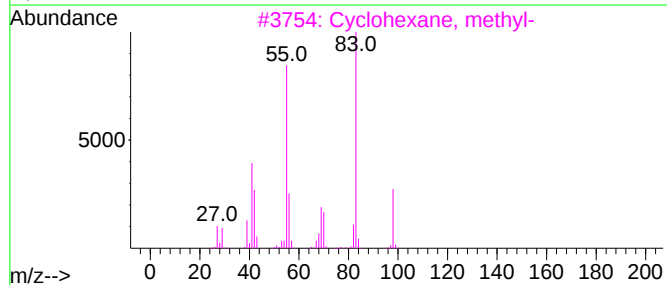
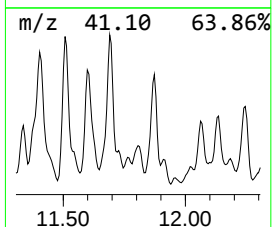
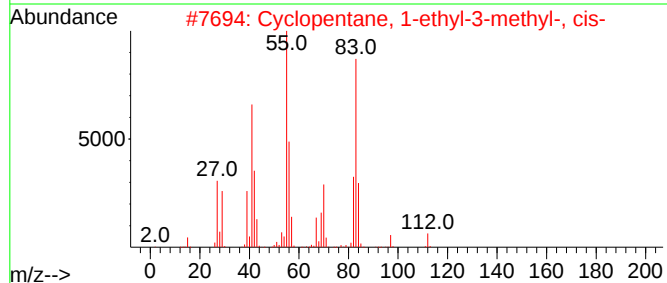
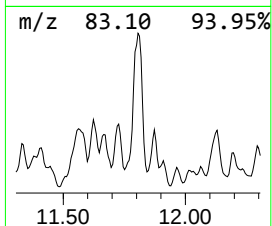
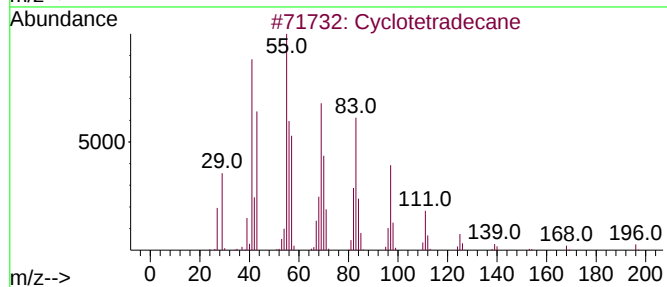
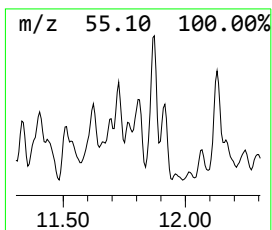
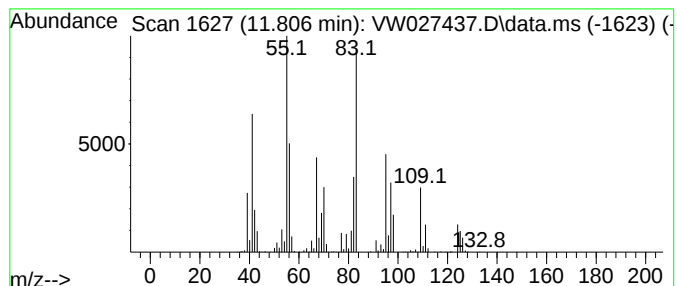
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic11.806 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.806	9.77 ug/L	1328830	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclotetradecane	196	C14H28	000295-17-0	35
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	35
3		Cyclohexane, methyl-	98	C7H14	000108-87-2	27
4		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	25
5		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

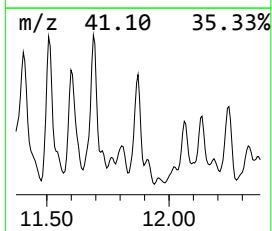
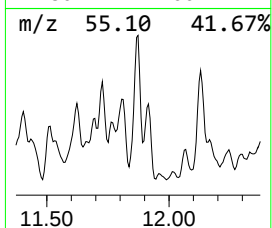
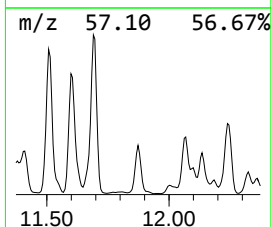
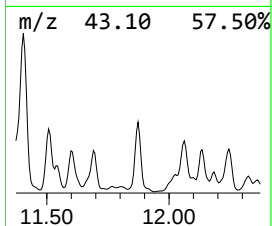
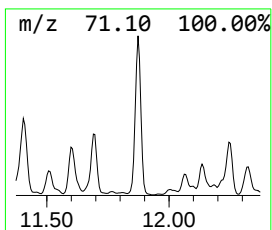
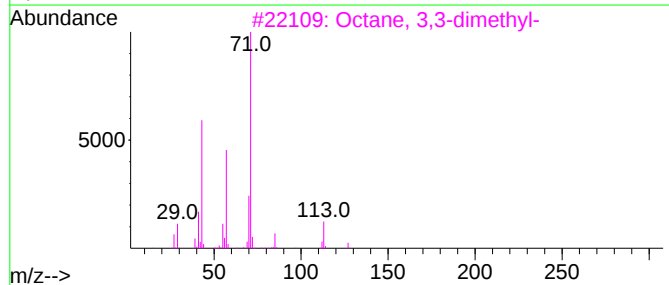
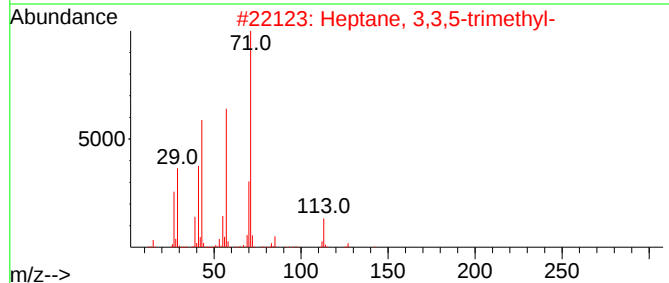
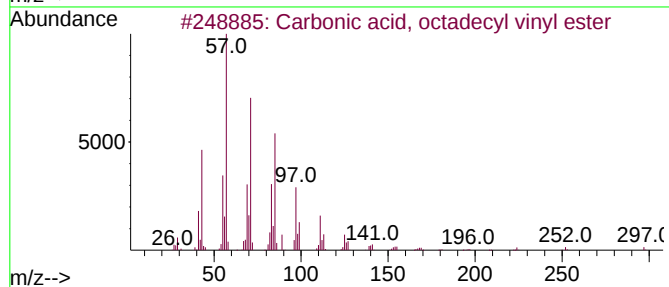
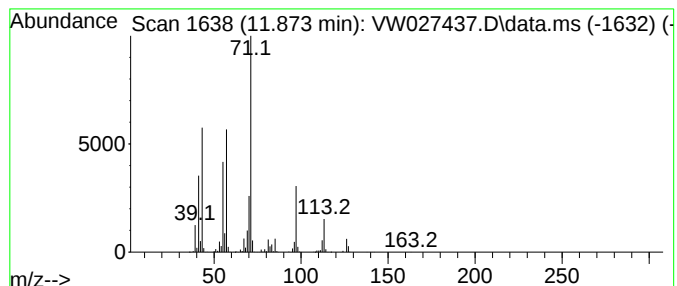
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 41 Carbonic acid, octadecyl vi... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.873	30.23 ug/L	4111890	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Carbonic acid, octadecyl vinyl e...		340	C21H40O3	1000382-54-4	78
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
3	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	72
4	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	64
5	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

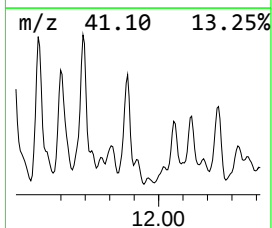
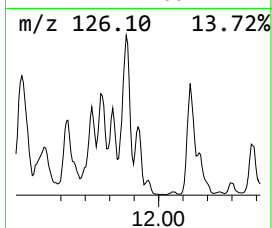
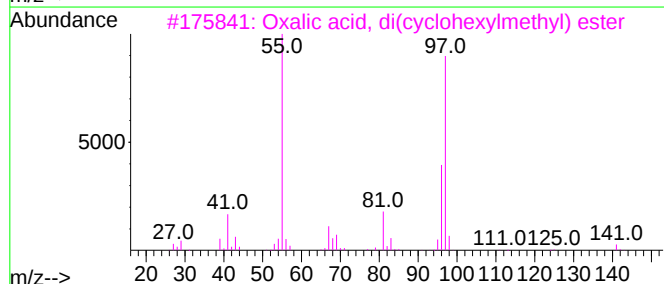
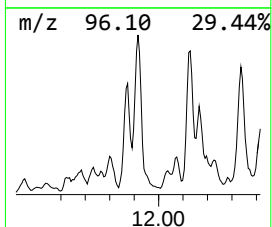
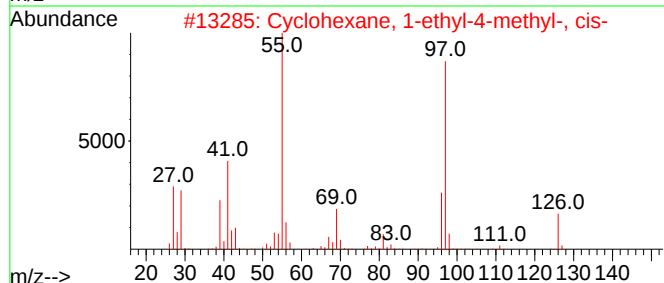
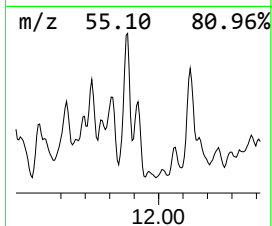
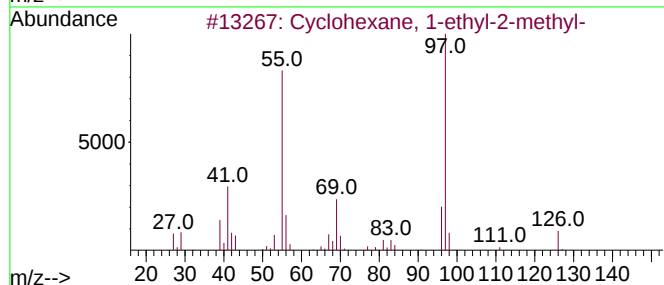
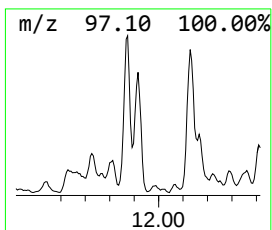
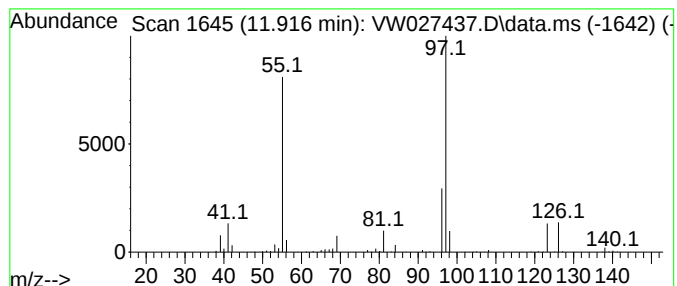
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Cyclic11.916 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	6.16 ug/L	837398	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	86
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3			Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	72
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5			Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

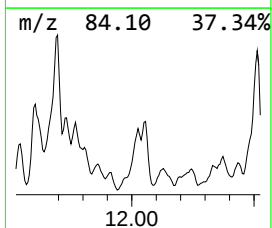
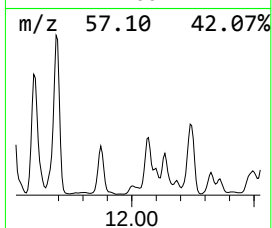
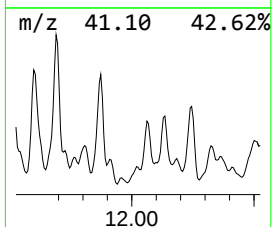
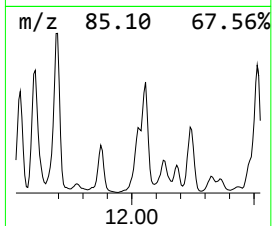
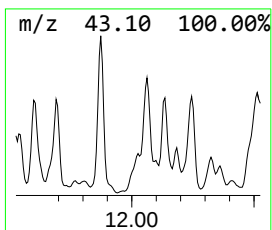
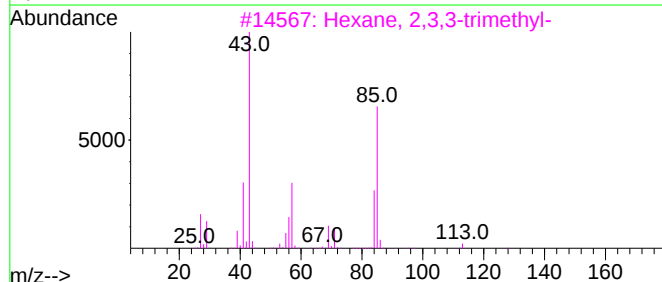
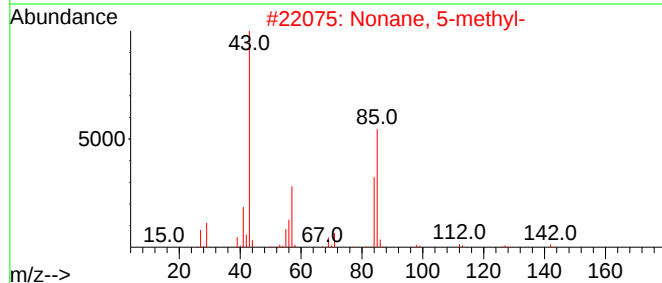
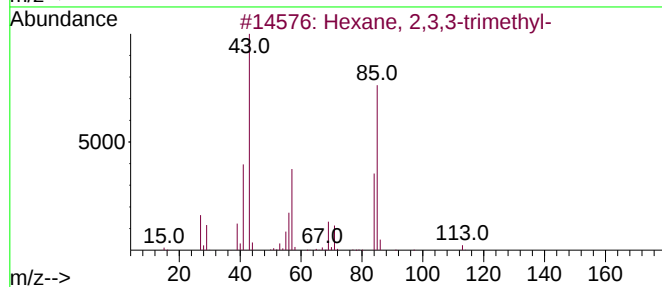
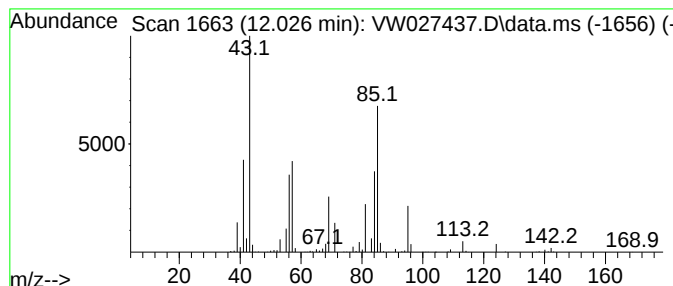
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.026	4.88 ug/L	663563	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-		128	C9H20	016747-28-7	59
2	Nonane, 5-methyl-		142	C10H22	015869-85-9	58
3	Hexane, 2,3,3-trimethyl-		128	C9H20	016747-28-7	53
4	4-Methylpentyl pentanoate		186	C11H22O2	035852-47-2	50
5	2-Methylpentyl isovalerate		186	C11H22O2	1000236-38-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

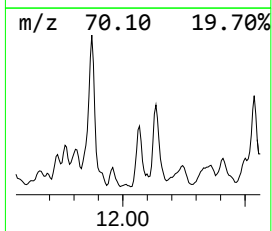
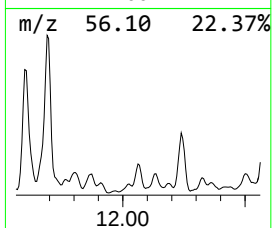
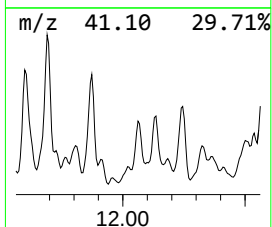
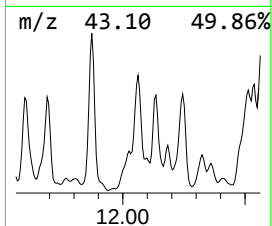
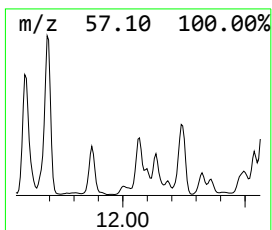
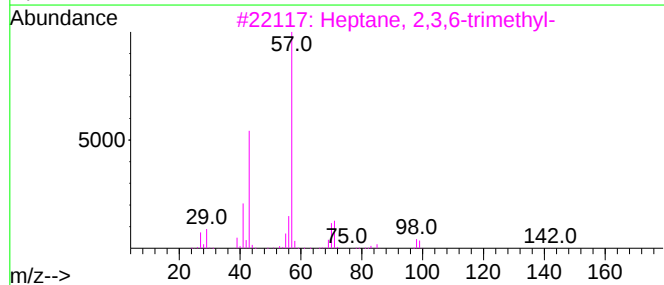
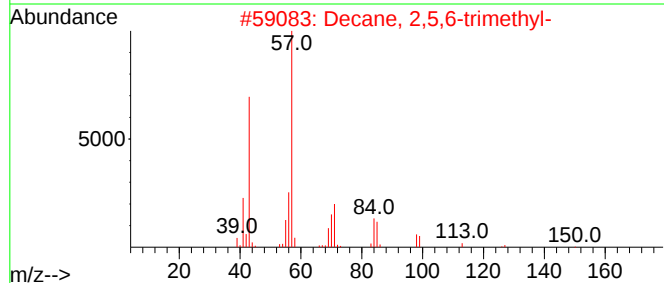
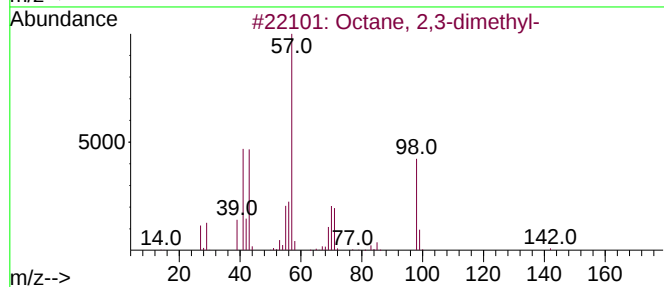
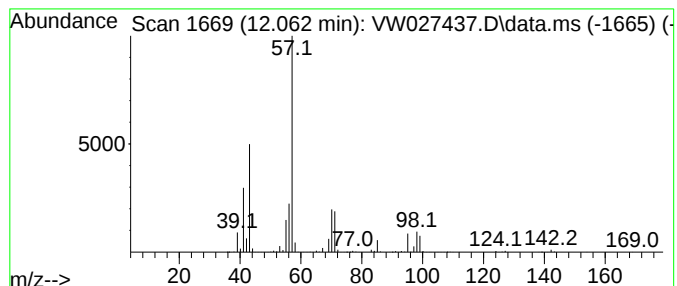
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.062	13.08 ug/L	1779200	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	74
2		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	72
3		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	64
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	52
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

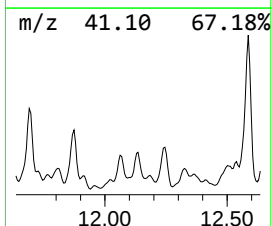
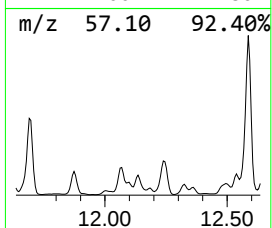
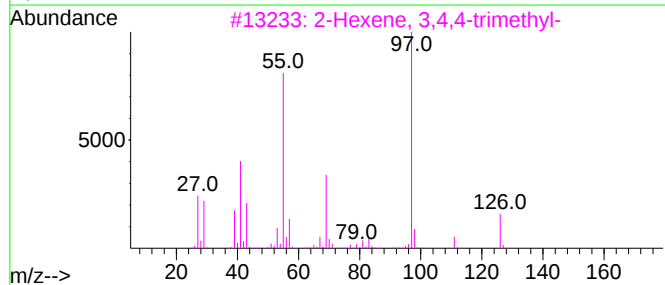
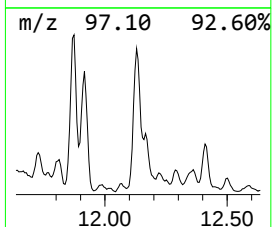
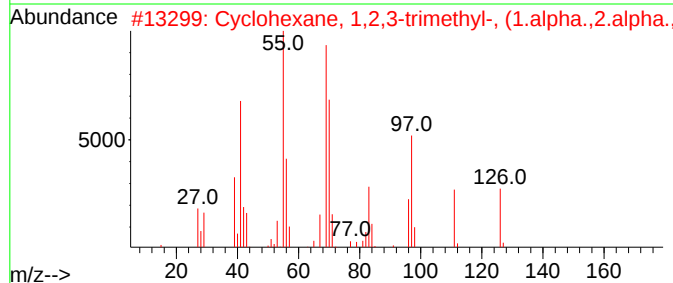
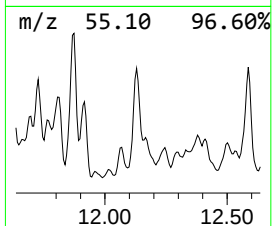
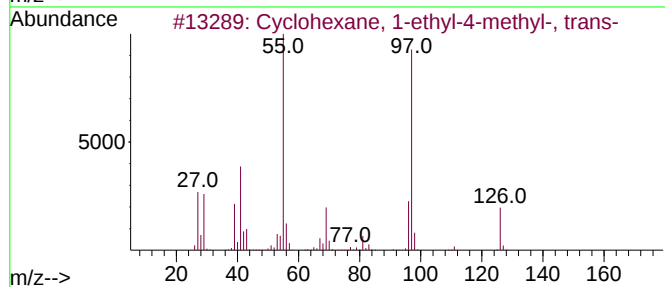
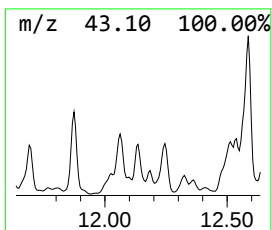
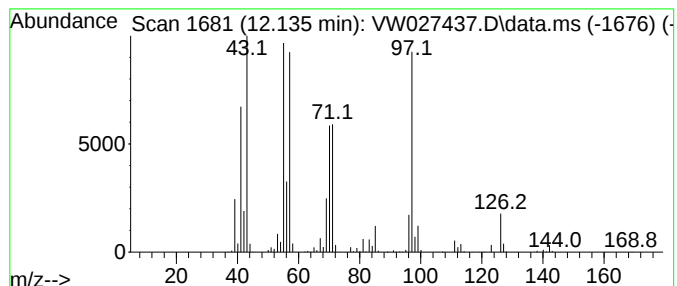
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Cyclic12.135 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.135	12.38 ug/L	1683770	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	45
2			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	43
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	41
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

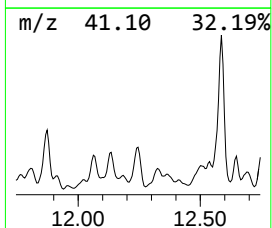
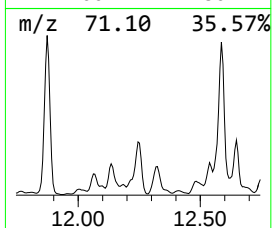
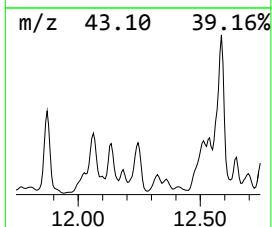
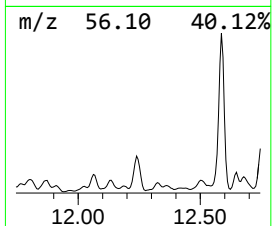
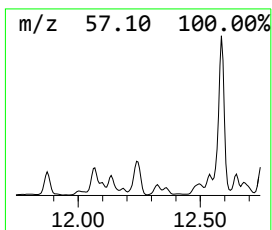
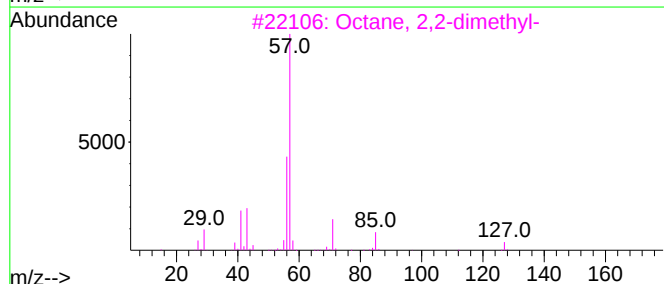
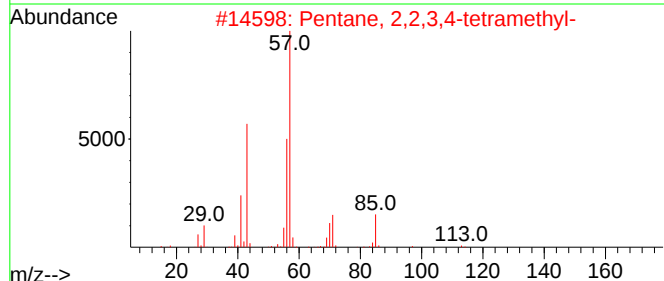
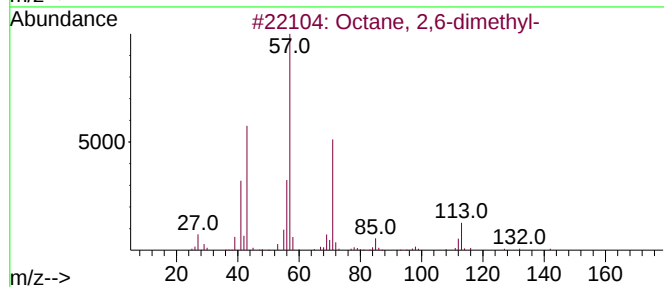
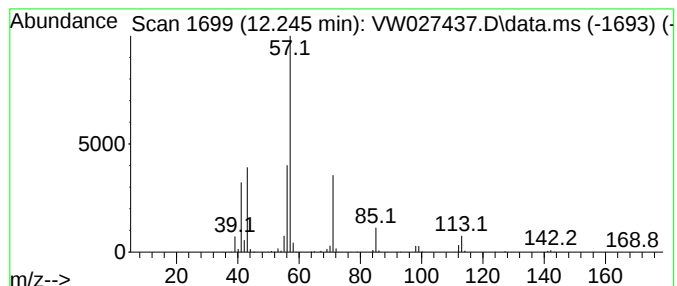
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	20.24 ug/L	2752940	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	80
2	Pentane, 2,2,3,4-tetramethyl-			128	C9H20	001186-53-4	59
3	Octane, 2,2-dimethyl-			142	C10H22	015869-87-1	59
4	Hexane, 2,2,5,5-tetramethyl-			142	C10H22	001071-81-4	59
5	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

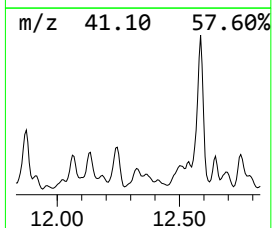
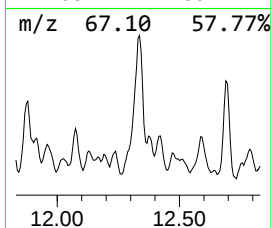
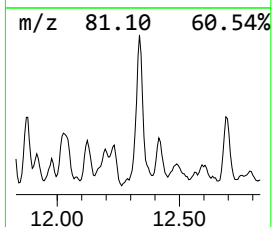
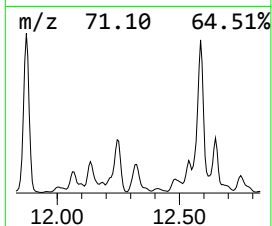
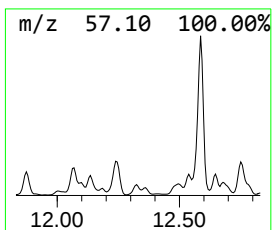
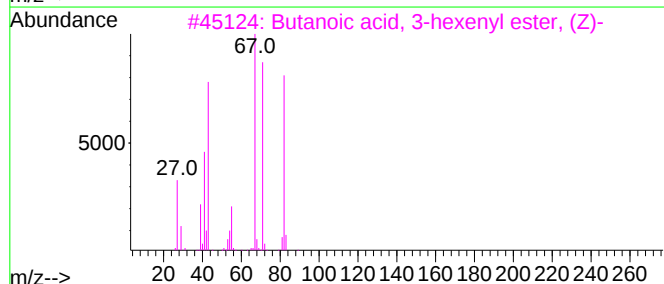
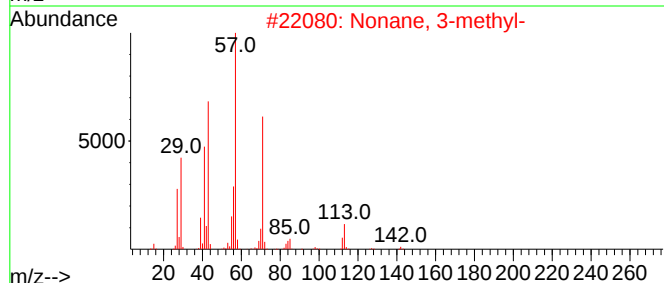
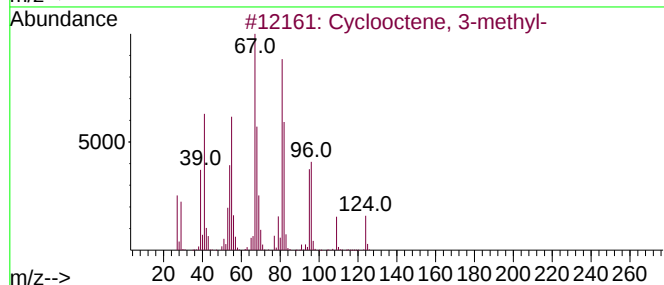
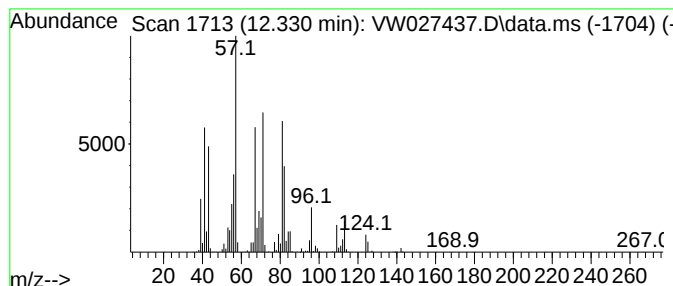
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 47 Cyclooctene, 3-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.330	15.37 ug/L	2090760	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	50
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
3	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	41
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

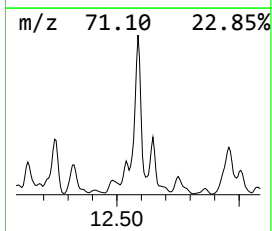
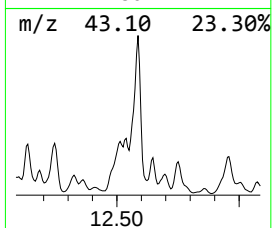
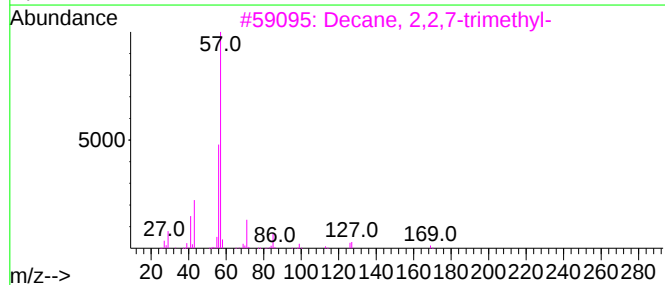
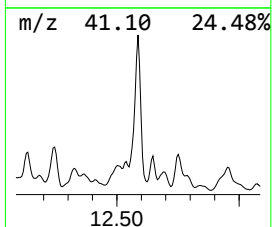
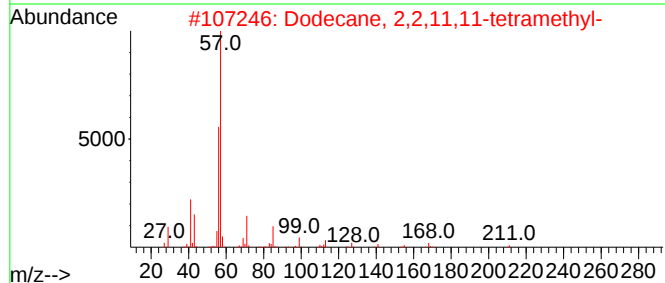
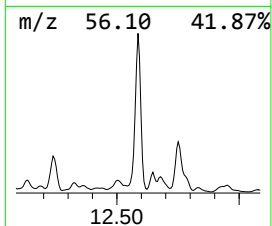
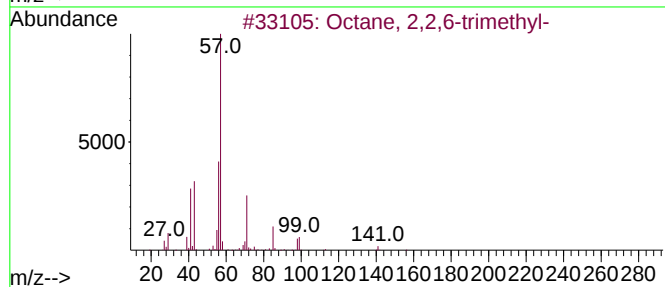
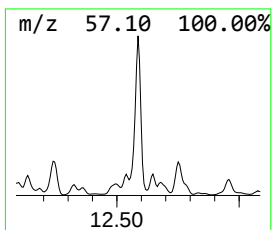
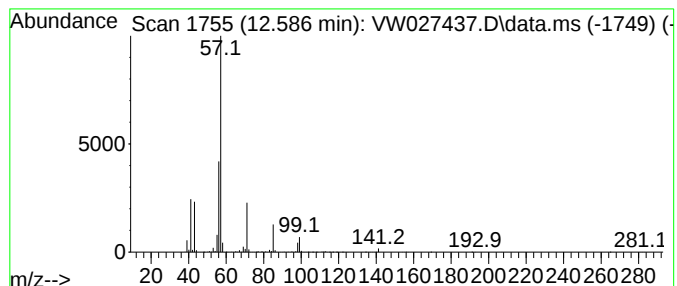
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.586	69.42 ug/L	9442580	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	83
2	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	64
4	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	64
5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

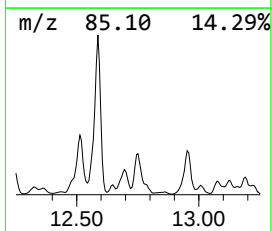
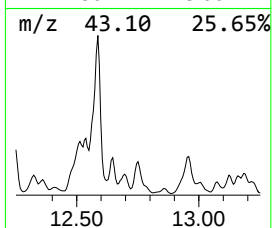
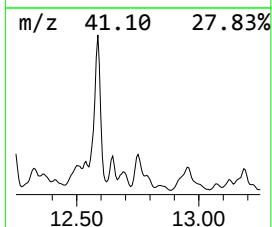
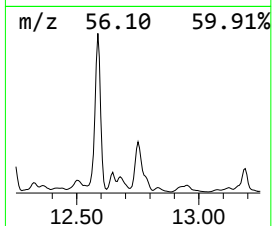
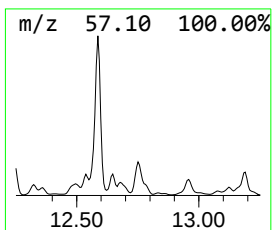
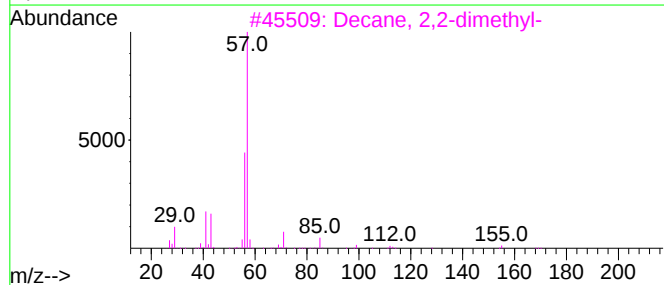
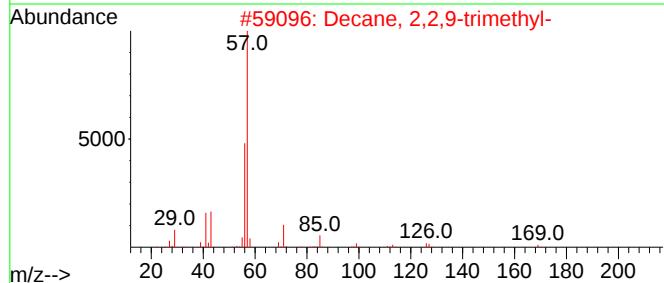
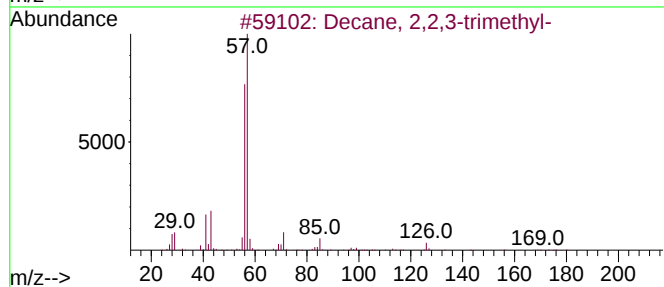
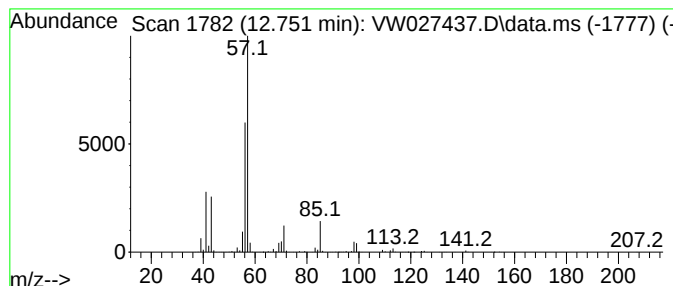
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.751	44.02 ug/L	2152850	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	72
2		Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
3		Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	72
4		Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	64
5		Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

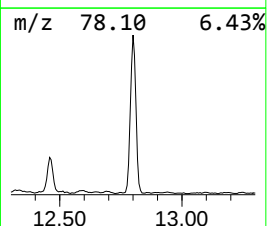
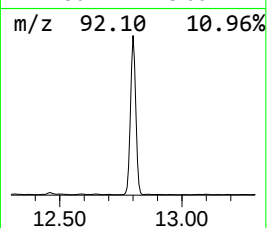
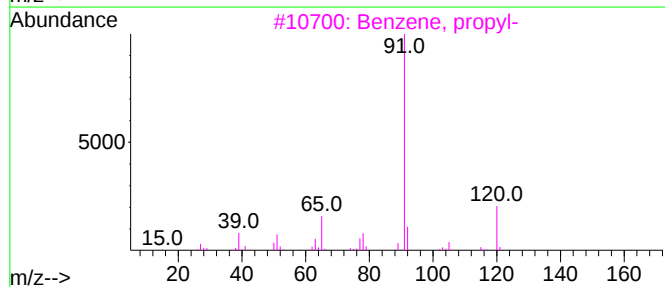
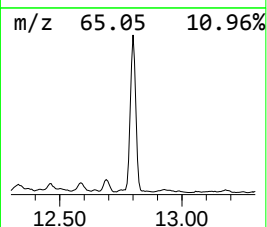
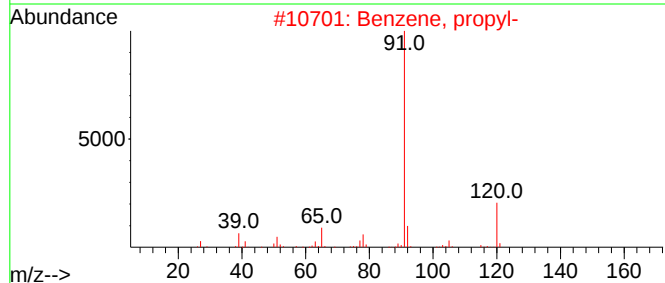
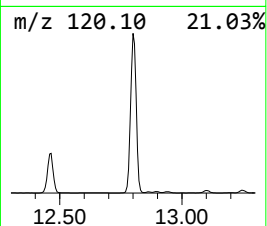
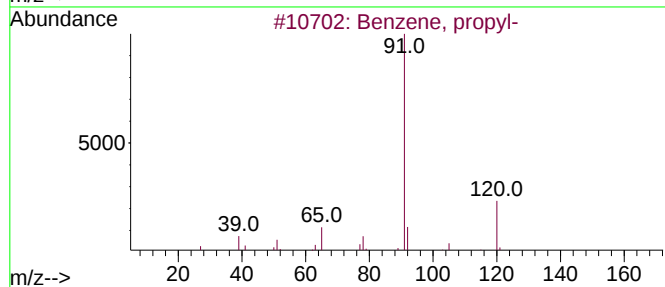
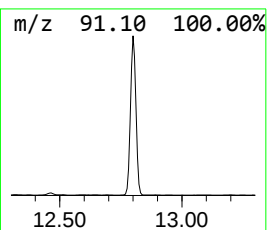
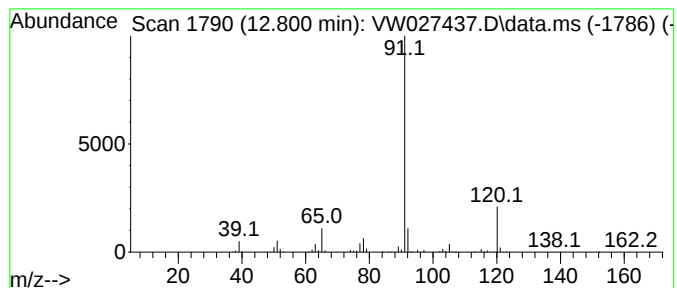
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.800	64.34 ug/L	3146670	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	90
3			Benzene, propyl-	120	C9H12	000103-65-1	90
4			Benzene, propyl-	120	C9H12	000103-65-1	86
5			Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

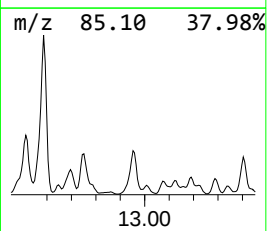
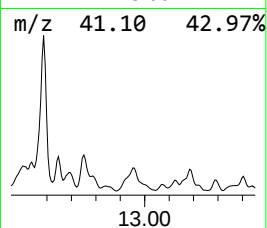
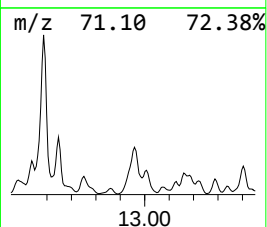
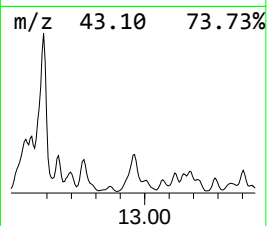
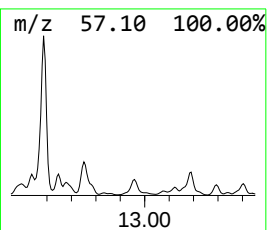
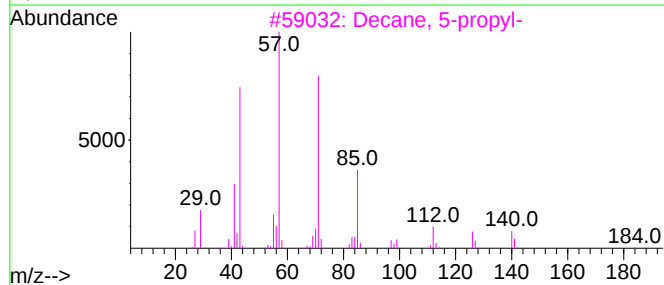
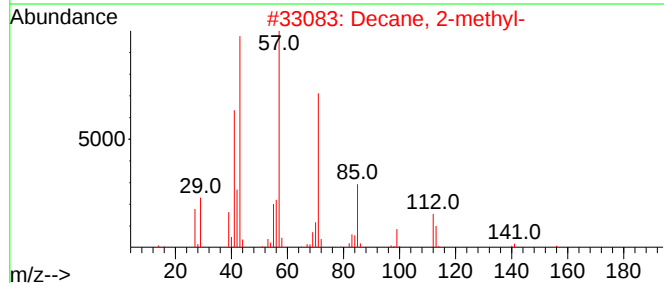
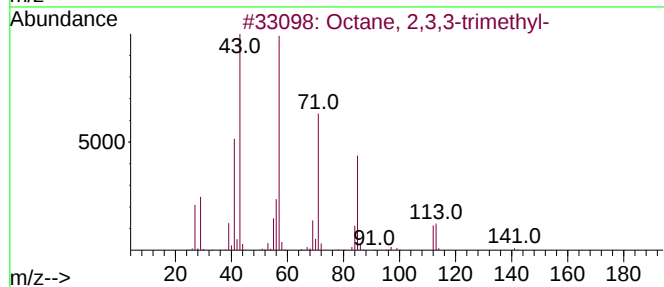
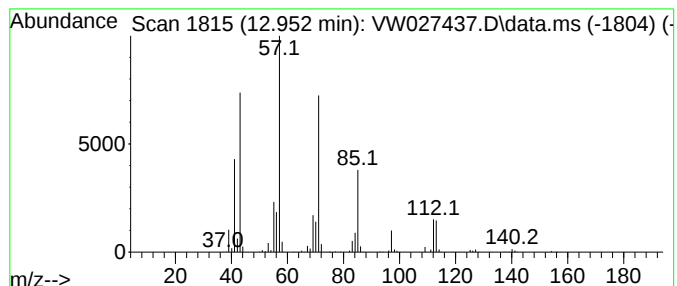
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.952	69.32 ug/L	3390500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	78
2			Decane, 2-methyl-	156	C11H24	006975-98-0	78
3			Decane, 5-propyl-	184	C13H28	017312-62-8	64
4			Tetradecane	198	C14H30	000629-59-4	64
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

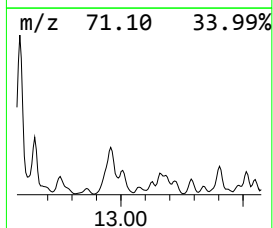
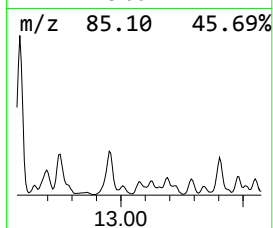
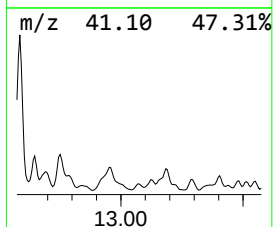
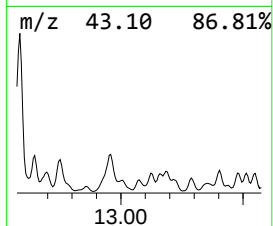
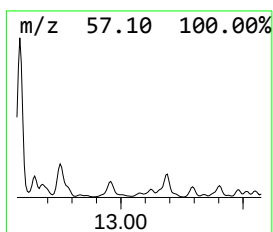
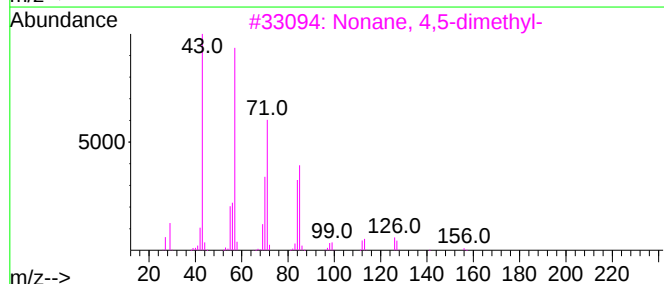
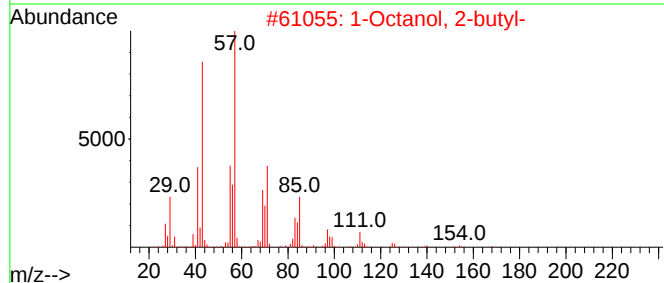
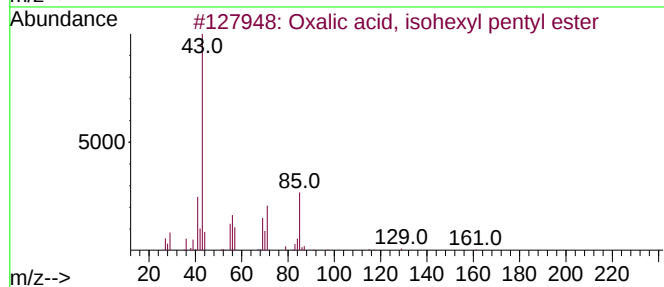
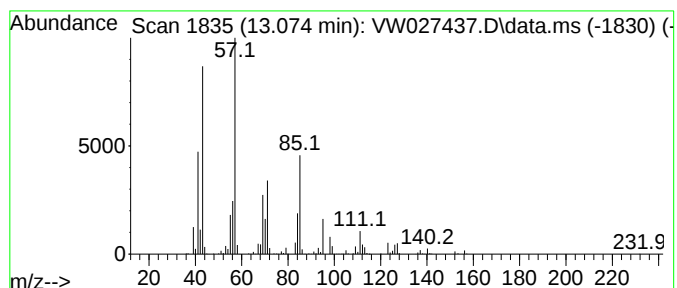
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 52 Oxalic acid, isohexyl penty... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.074	8.23 ug/L	402468	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Oxalic acid, isohexyl pentyl ester		244	C13H24O4	1000309-32-8	50
2	1-Octanol, 2-butyl-		186	C12H26O	003913-02-8	50
3	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	49
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	47
5	Decane, 1-iodo-		268	C10H21I	002050-77-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

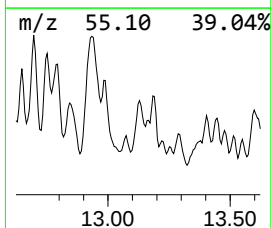
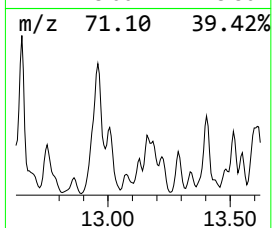
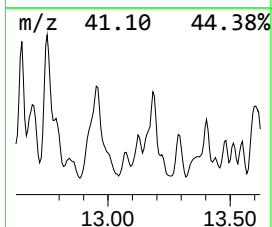
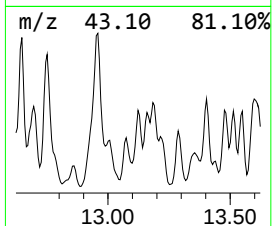
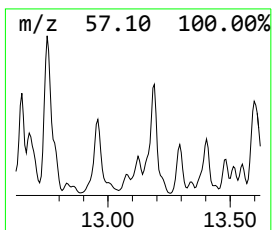
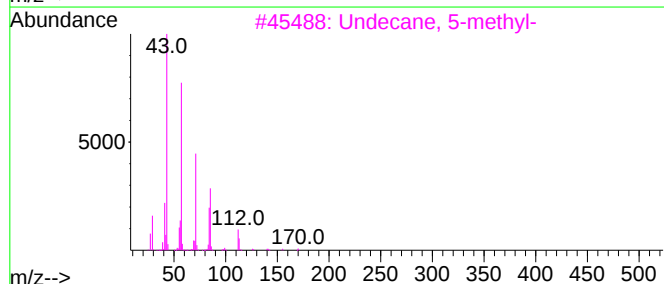
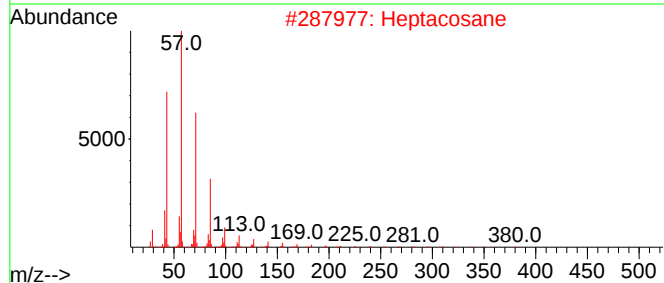
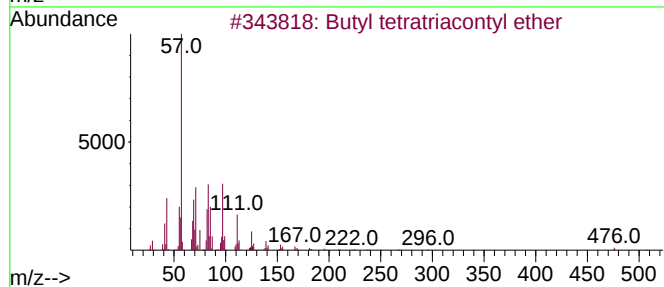
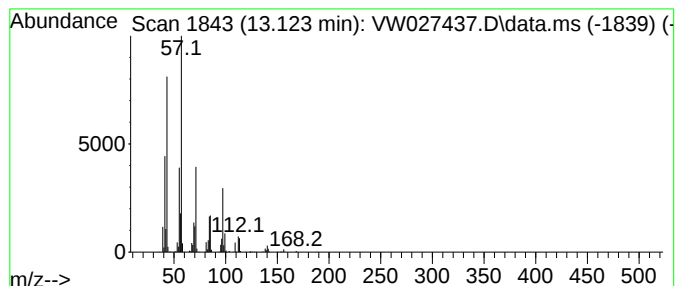
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 53 Butyl tetratriacontyl ether Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.123	8.98 ug/L	439380	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl tetratriacontyl ether	551	C38H78O	1000406-41-4	53
2	Heptacosane	380	C27H56	000593-49-7	50
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	50
4	Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	50
5	Decane, 2-methyl-	156	C11H24	006975-98-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

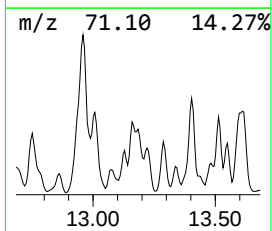
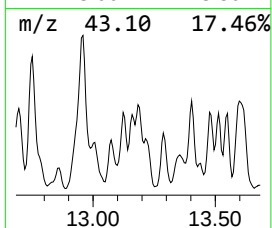
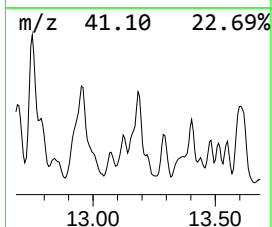
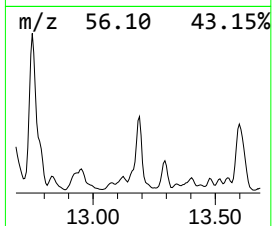
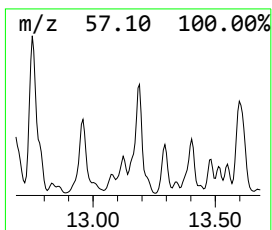
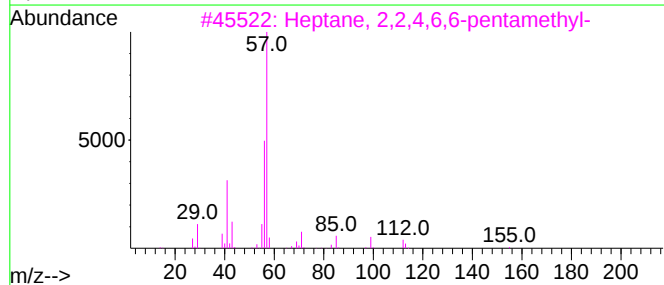
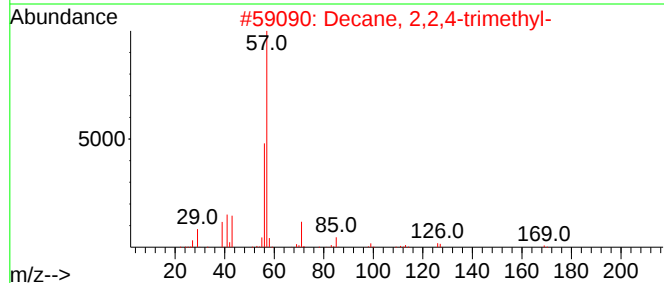
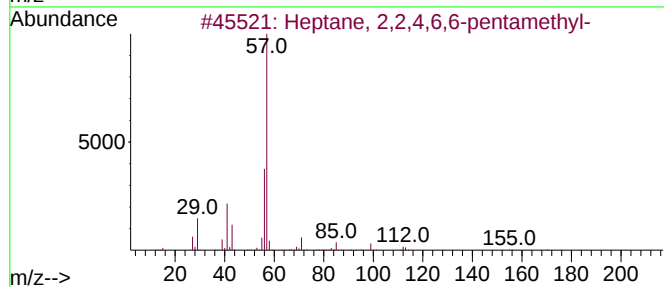
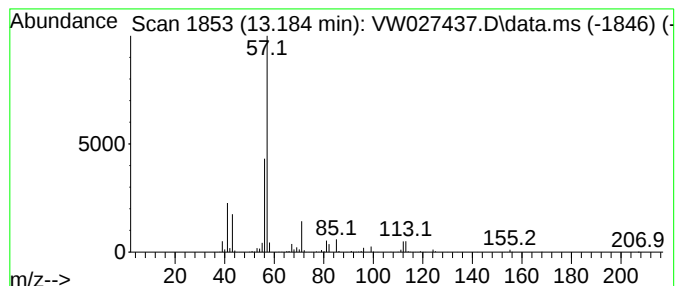
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.184	28.12 ug/L	1375340	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	78
2	Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	72
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
4	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	64
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

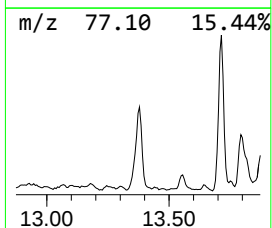
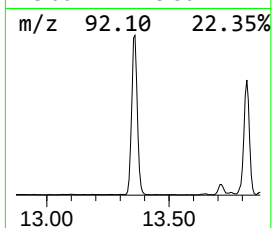
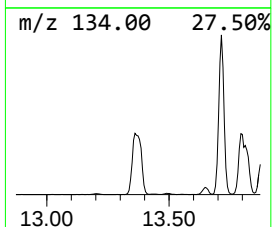
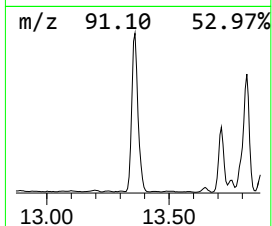
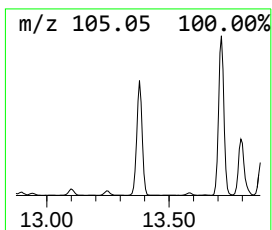
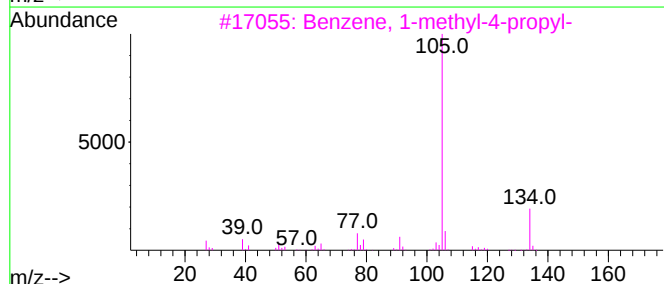
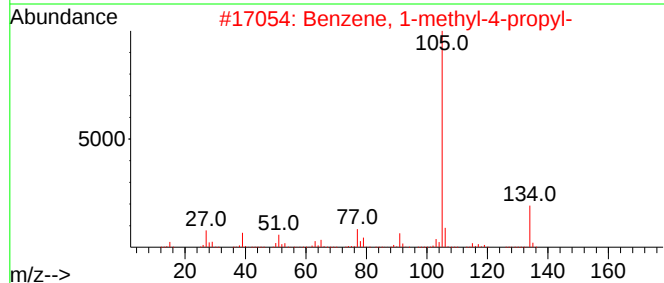
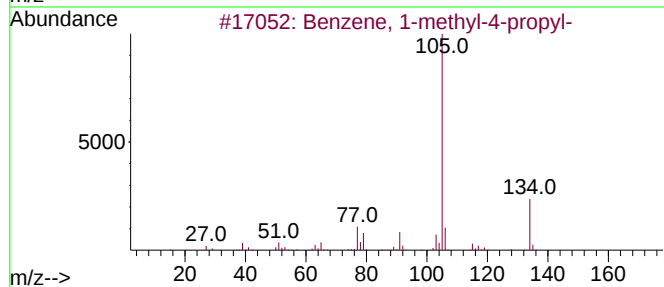
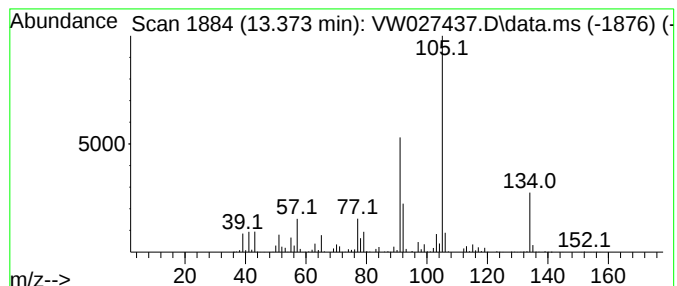
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Quant Title : SFAM01.0

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

Peak Number 55 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	38.21 ug/L	1869000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	62
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
4			p-Mentha-1,5,8-triene	134	C10H14	021195-59-5	58
5			2-Tolylloxirane	134	C9H10O	002783-26-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

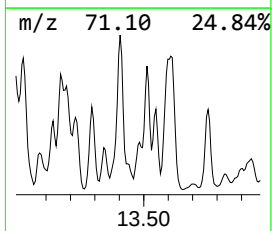
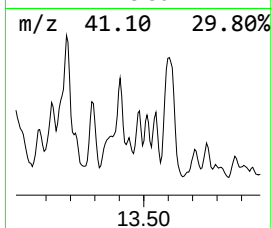
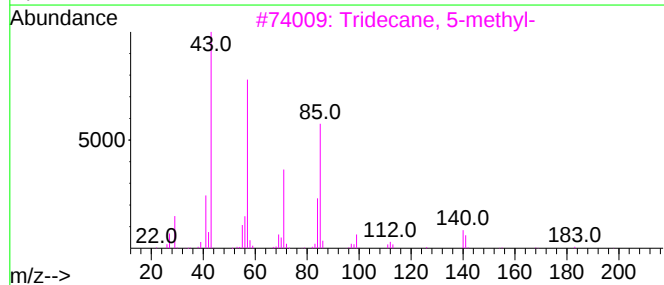
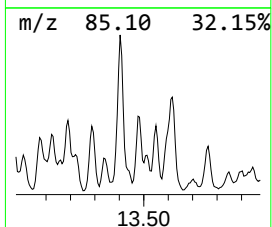
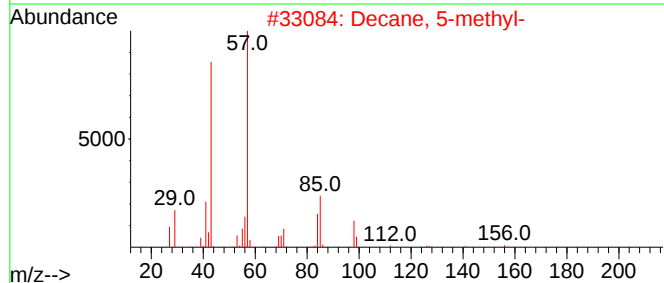
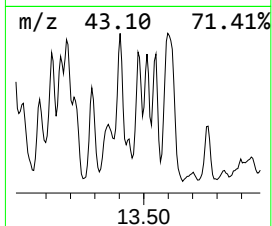
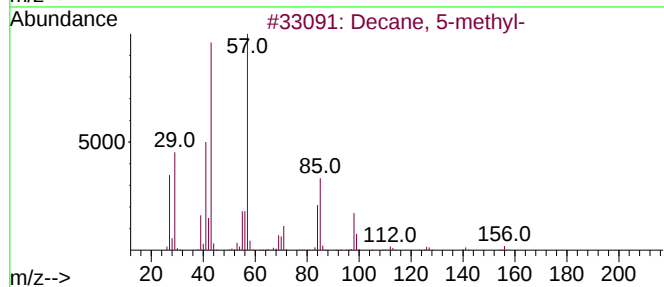
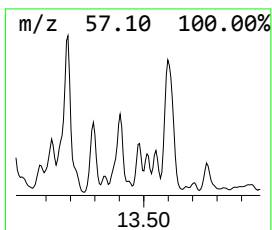
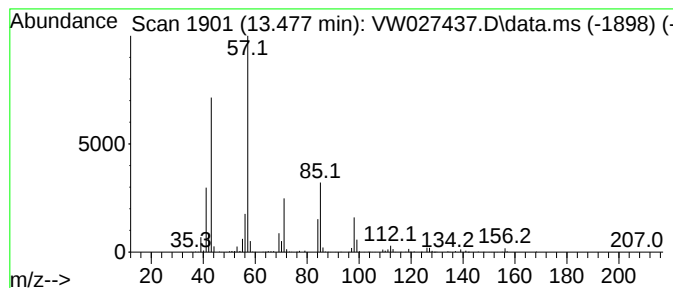
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Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	7.45 ug/L	364286	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 5-methyl-	156	C11H24	013151-35-4	81
2		Decane, 5-methyl-	156	C11H24	013151-35-4	81
3		Tridecane, 5-methyl-	198	C14H30	025117-31-1	64
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

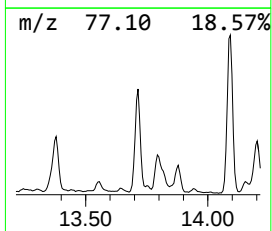
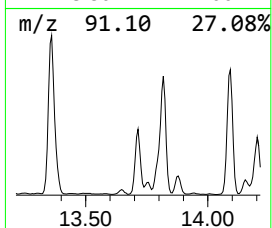
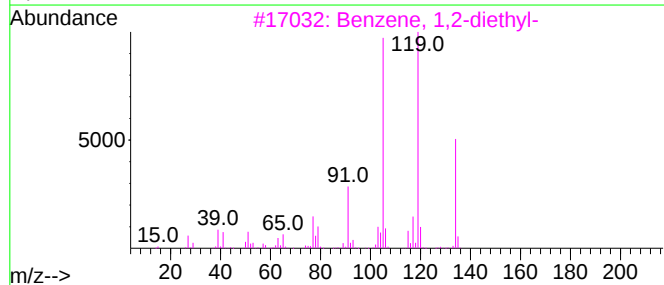
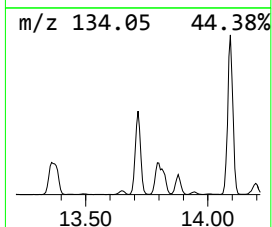
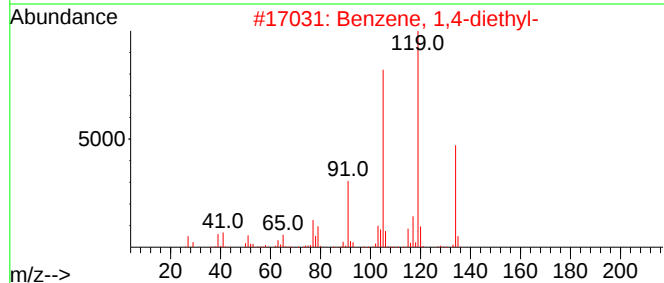
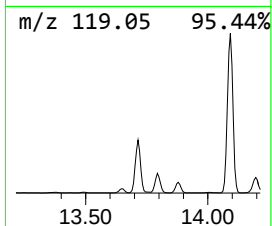
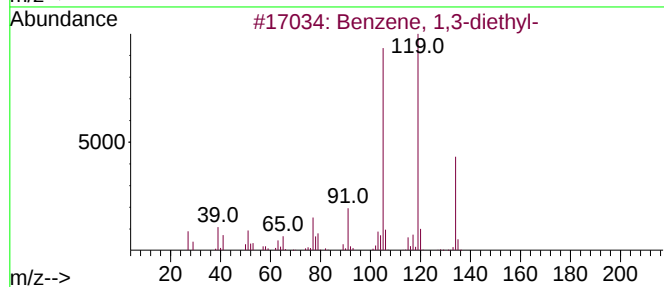
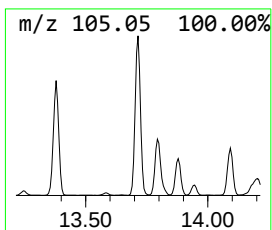
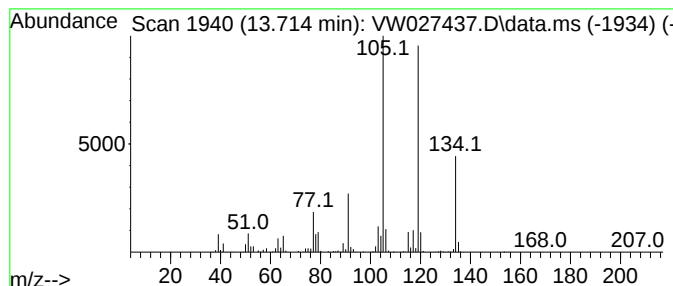
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Quant Title : SFAM01.0

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

Peak Number 57 Benzene, 1,3-diethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	42.25 ug/L	2066510	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, 1,4-diethyl-	134	C10H14	000105-05-5	97
3			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

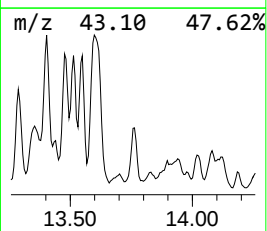
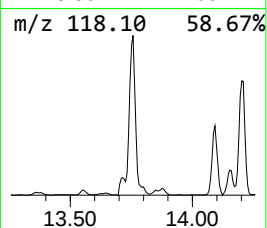
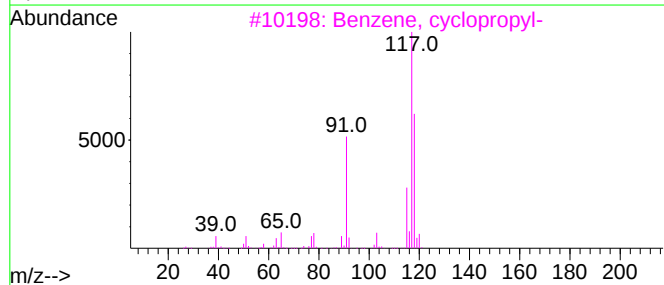
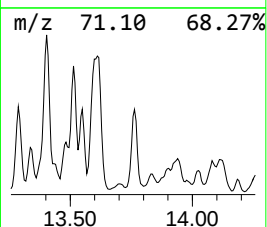
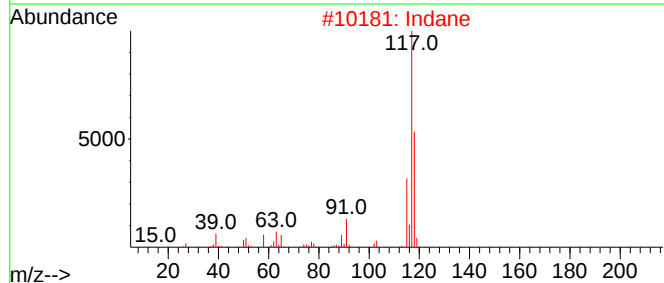
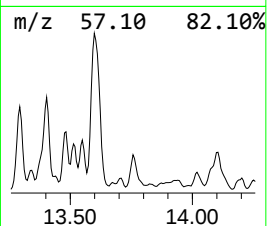
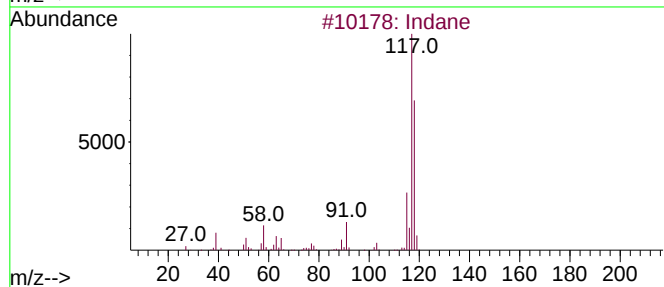
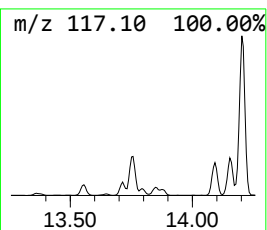
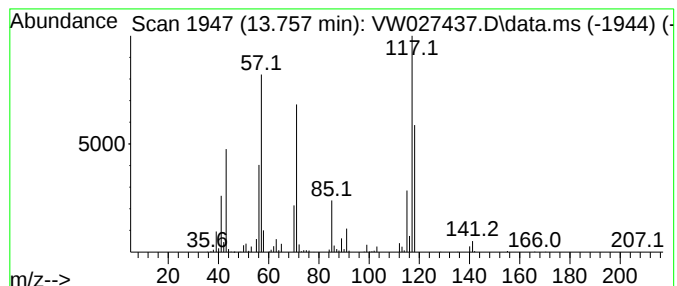
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Quant Title : SFAM01.0

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

Peak Number 58 unknown-01 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	7.68 ug/L	375427	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	38
2			Indane	118	C9H10	000496-11-7	30
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	30
4			Morpholine, 2,6-dimethyl-, cis-	115	C6H13NO	006485-55-8	27
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

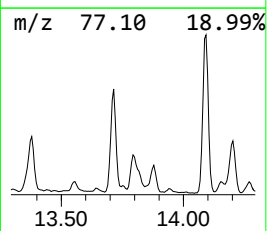
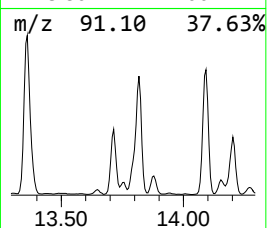
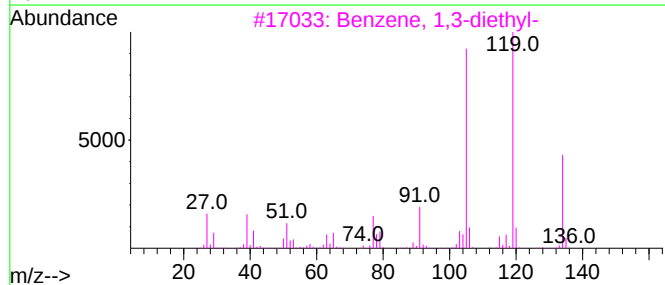
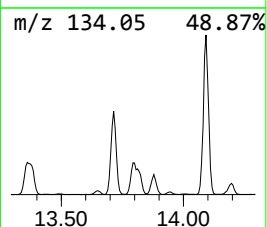
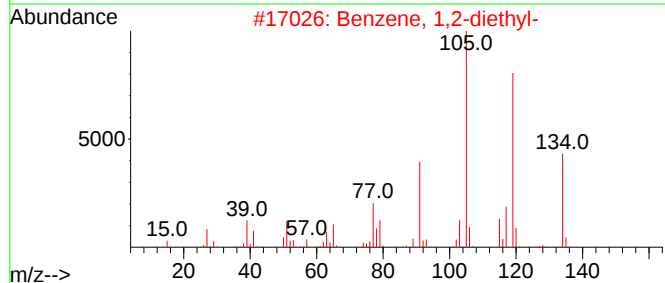
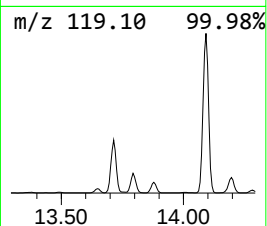
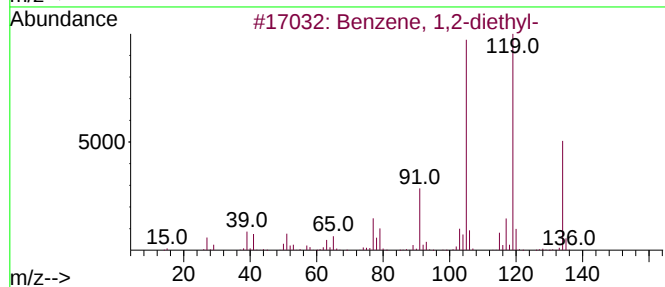
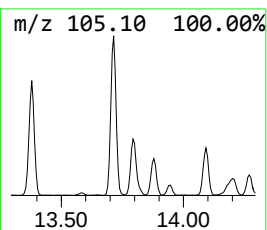
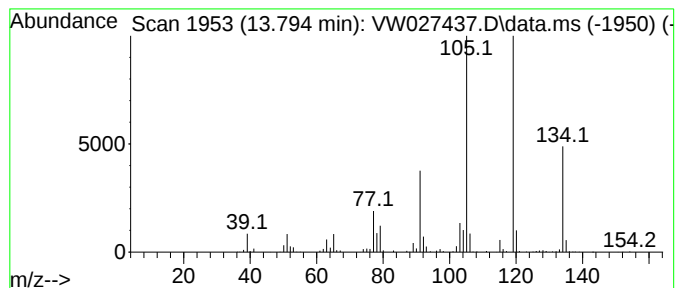
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Quant Title : SFAM01.0

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

Peak Number 59 Benzene, 1,2-diethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.794	10.82 ug/L	528962	1,4-Dichlorobenzene-d4	13.556

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

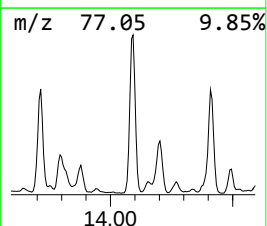
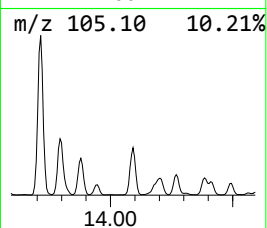
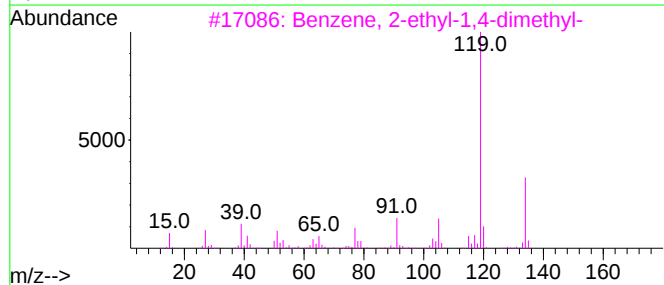
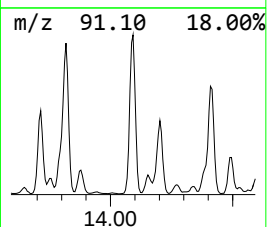
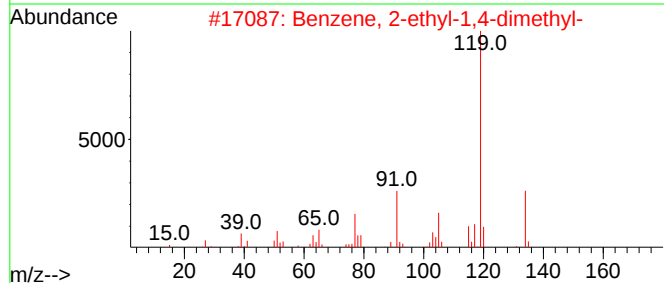
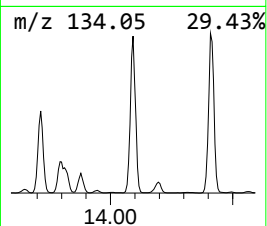
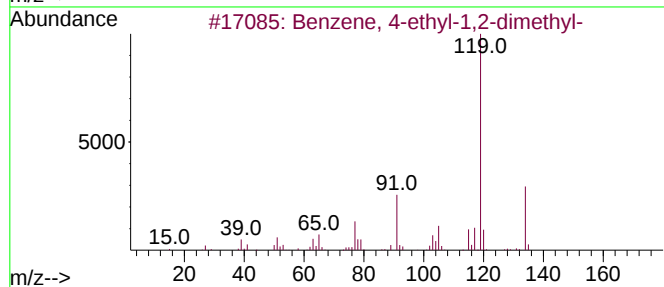
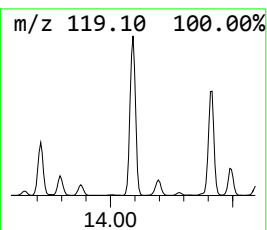
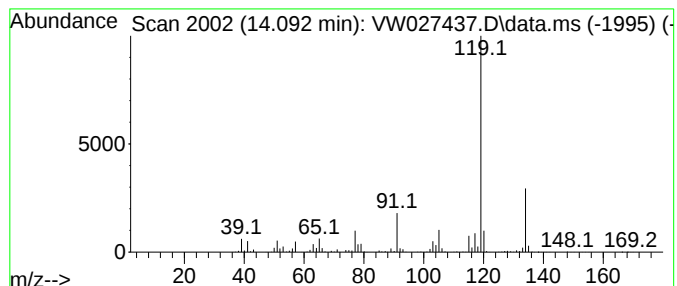
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Quant Title : SFAM01.0

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

Peak Number 60 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	83.98 ug/L	4107250	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	97
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

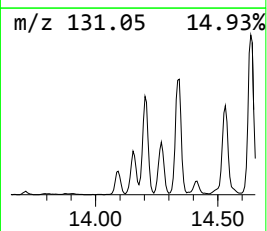
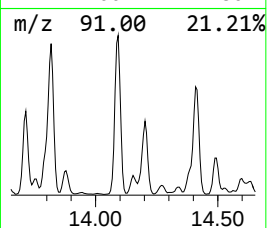
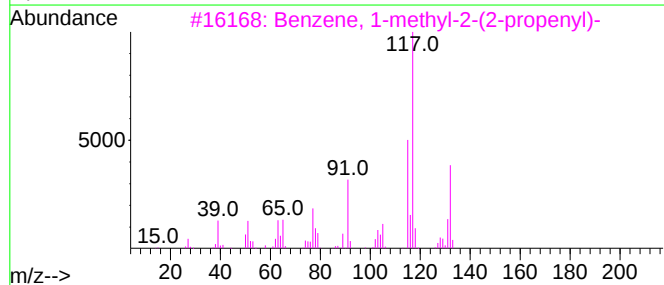
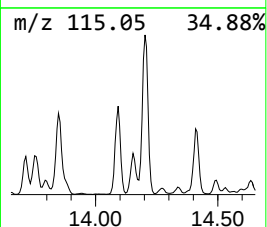
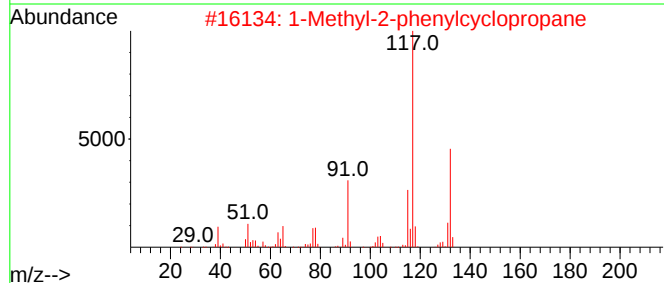
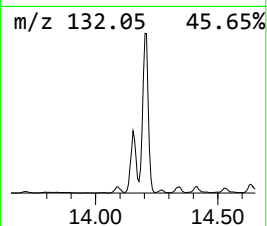
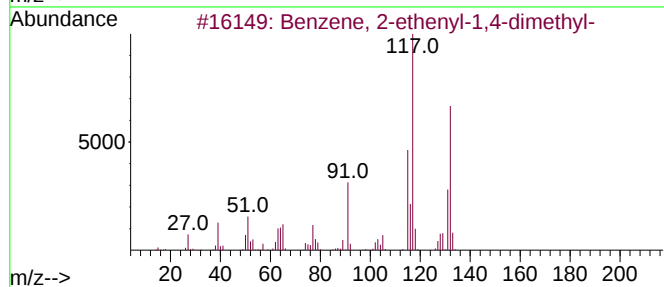
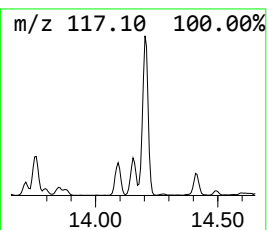
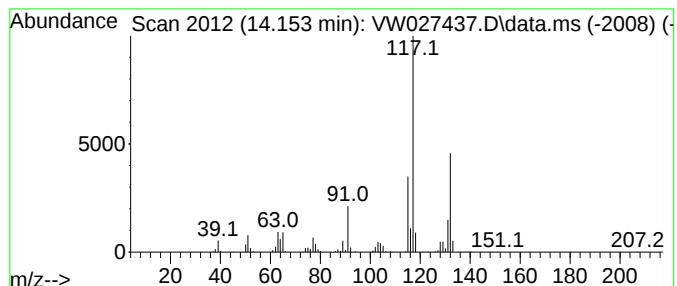
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Quant Title : SFAM01.0

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

Peak Number 61 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.153	9.24 ug/L	452014	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	94
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
5			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

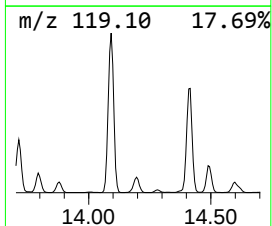
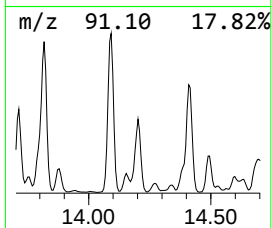
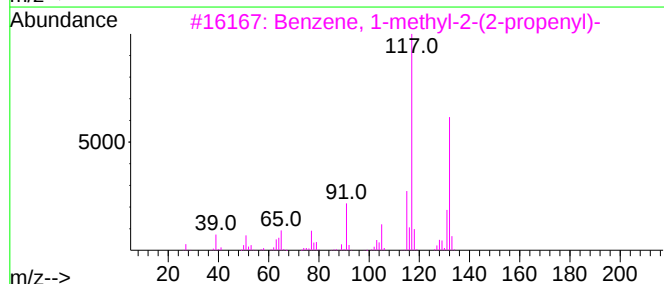
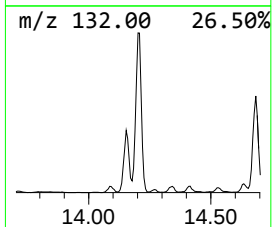
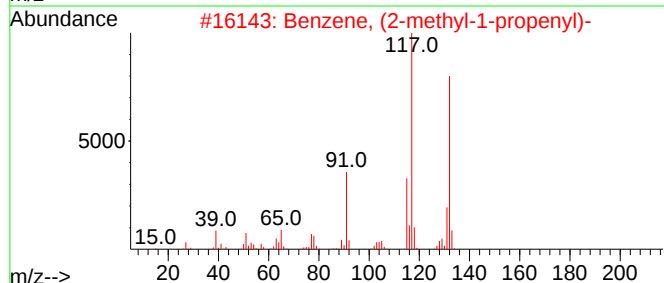
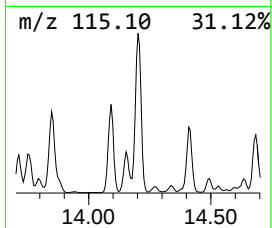
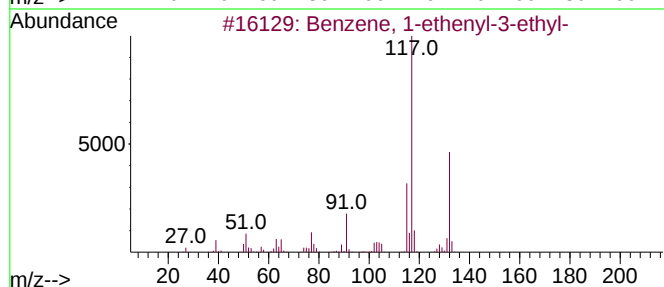
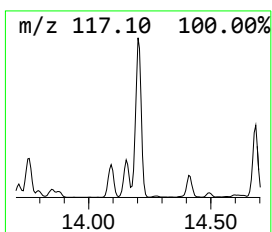
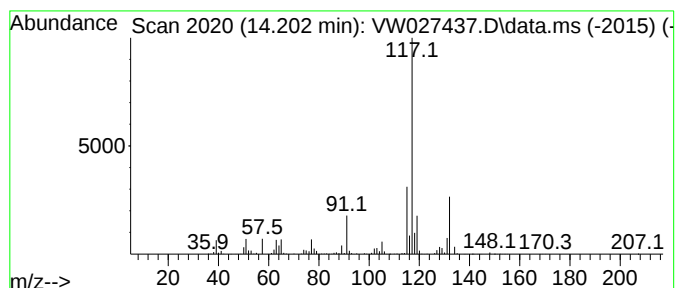
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Quant Title : SFAM01.0

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

Peak Number 62 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	42.14 ug/L	2061100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4			Indan, 1-methyl-	132	C10H12	000767-58-8	87
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

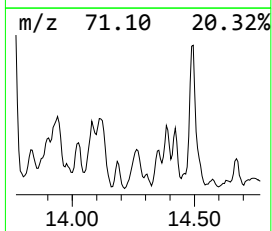
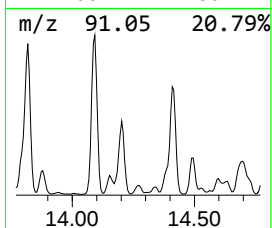
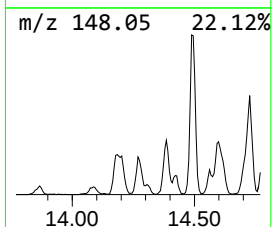
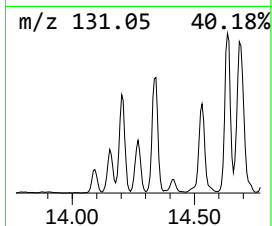
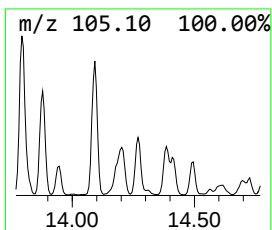
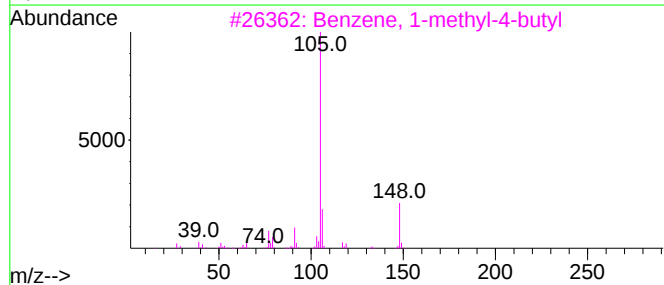
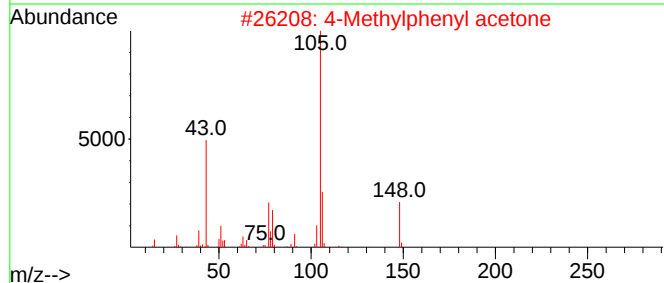
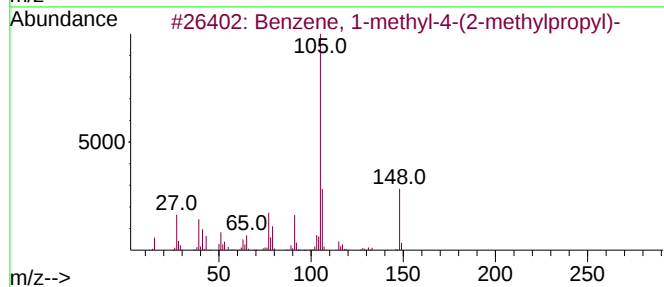
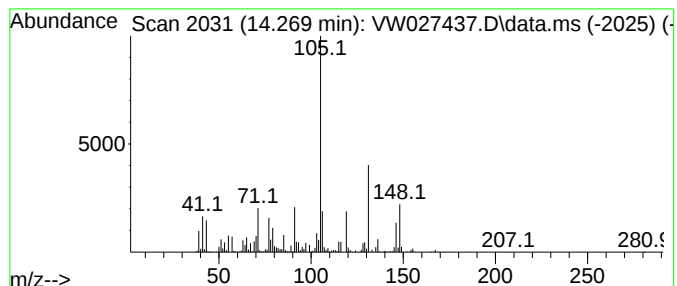
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Quant Title : SFAM01.0

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

Peak Number 63 unknown-02 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.269	6.95 ug/L	339949	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38
2			4-Methylphenyl acetone	148	C10H12O	002096-86-8	30
3			Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	30
4			Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	22
5			Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

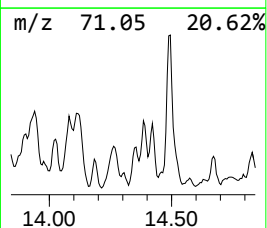
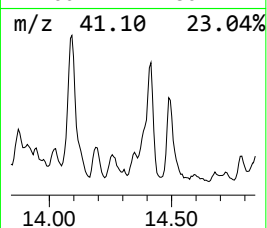
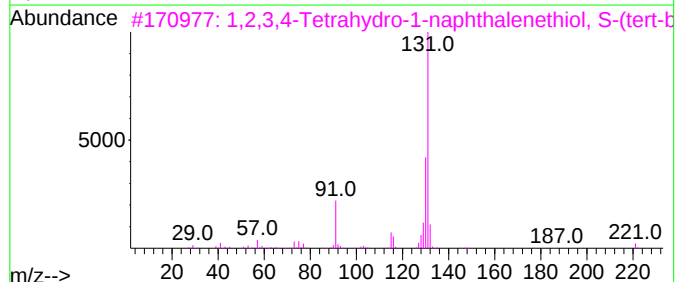
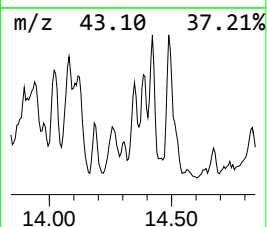
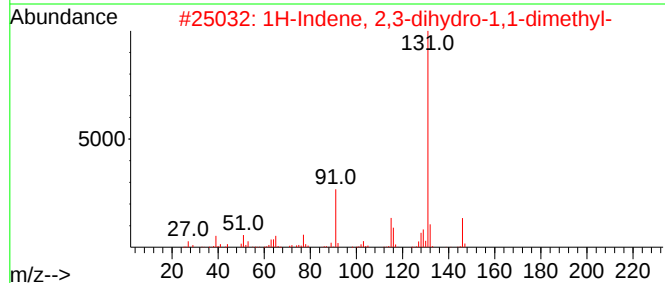
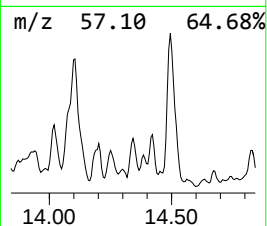
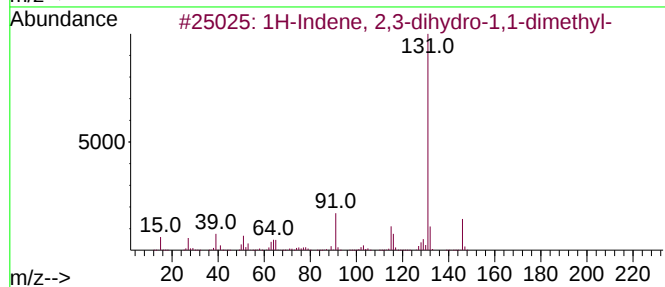
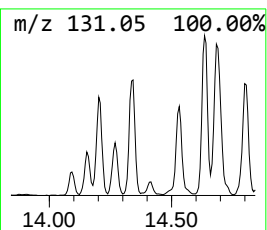
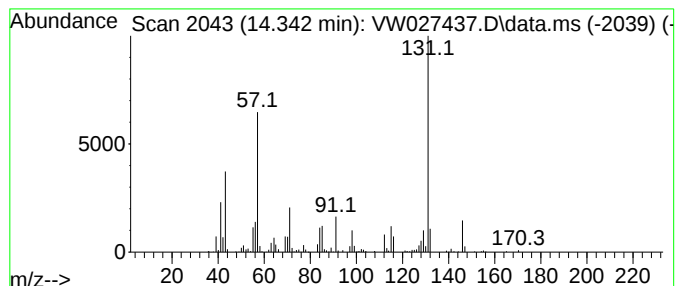
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Quant Title : SFAM01.0

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

Peak Number 64 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.342	4.36 ug/L	213458	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	92
2			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
3			1,2,3,4-Tetrahydro-1-naphthalene...	278	C16H26SSi	1000470-19-4	50
4			Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	50
5			1,3-Butadiene, 1,1-bis(methylthio)-	146	C6H10S2	066612-70-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

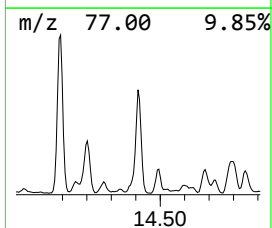
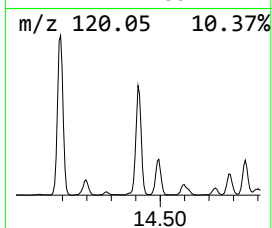
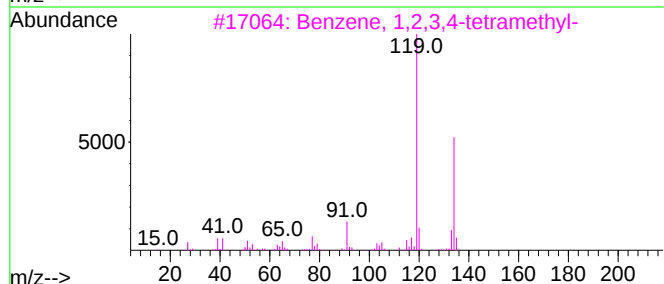
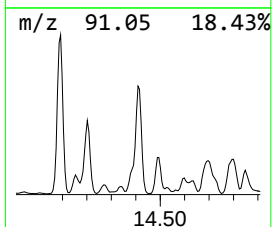
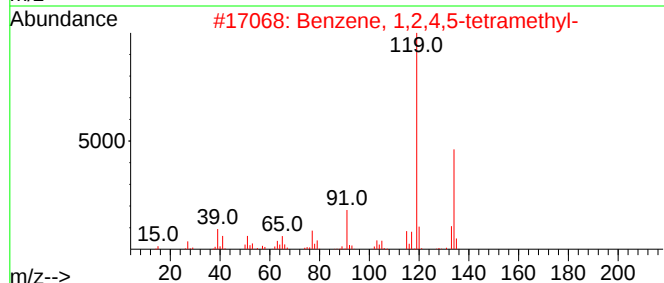
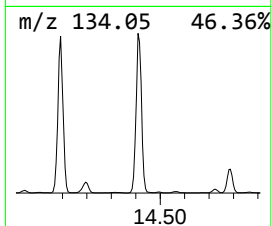
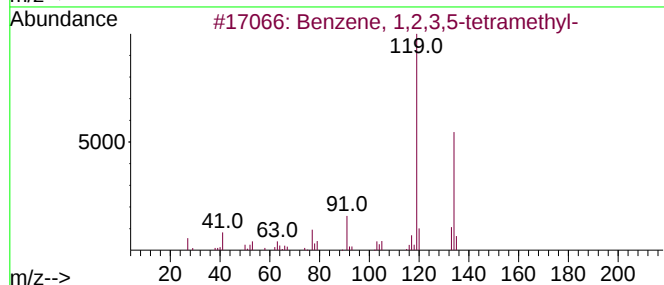
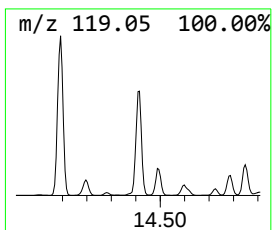
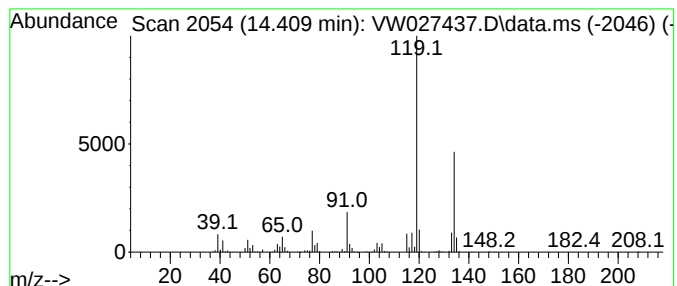
Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 65 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.409	66.44 ug/L	3249350	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

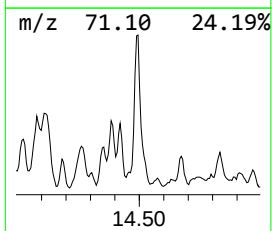
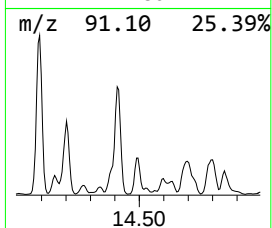
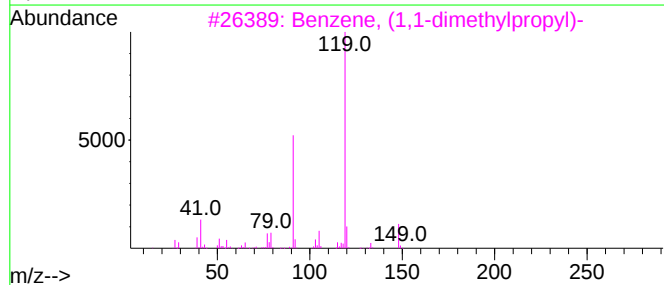
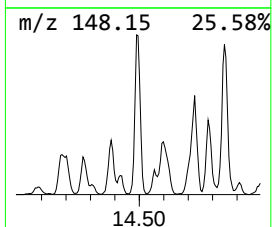
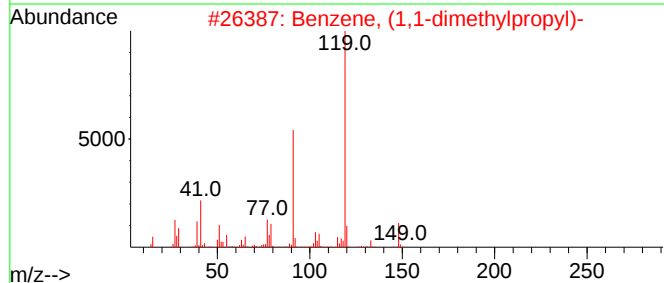
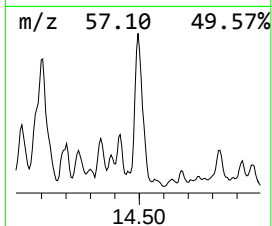
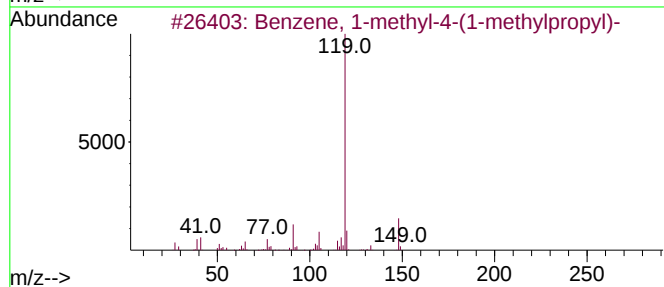
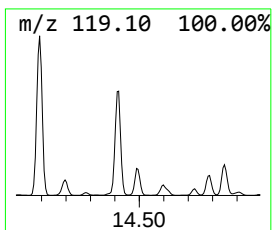
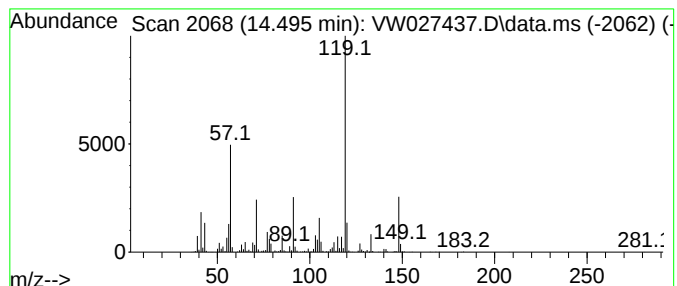
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Quant Title : SFAM01.0

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

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	24.42 ug/L	1194570	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	68
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4			o-Cymene	134	C10H14	000527-84-4	60
5			o-Cymene	134	C10H14	000527-84-4	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

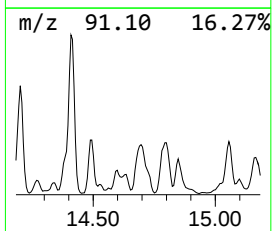
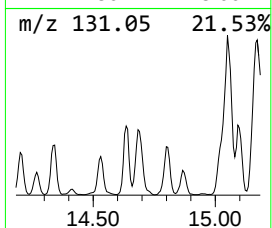
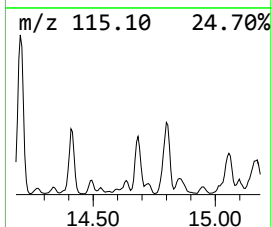
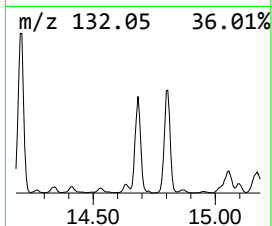
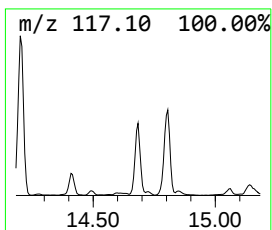
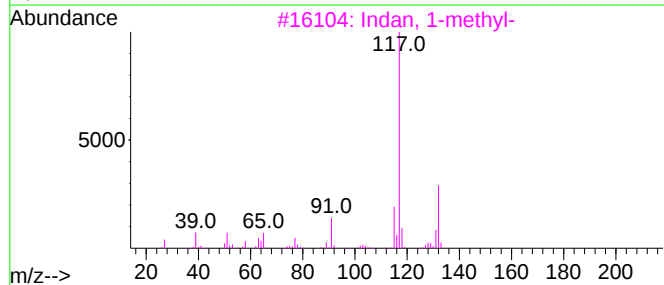
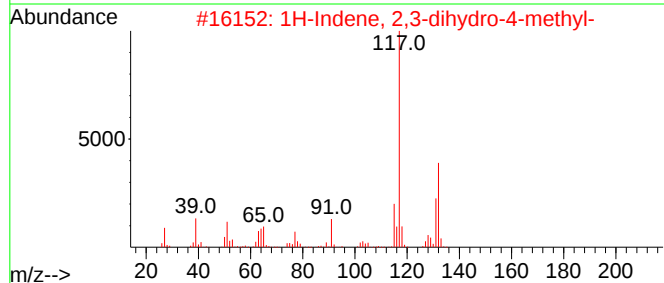
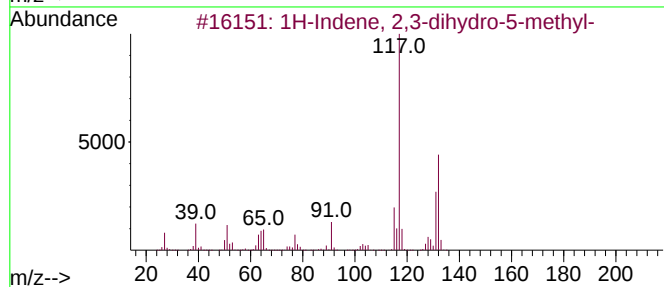
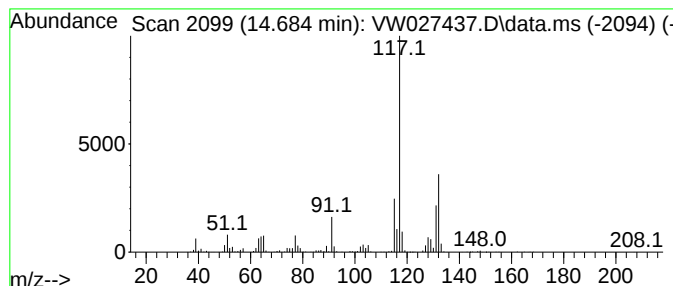
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Quant Title : SFAM01.0

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

Peak Number 67 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	18.75 ug/L	917274	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3		Indan, 1-methyl-	132	C10H12	000767-58-8	93
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

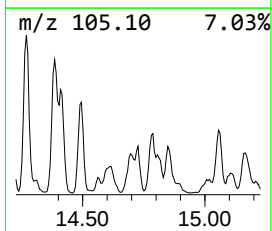
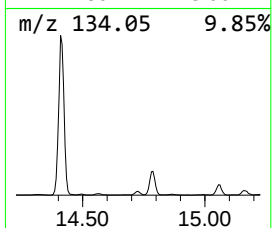
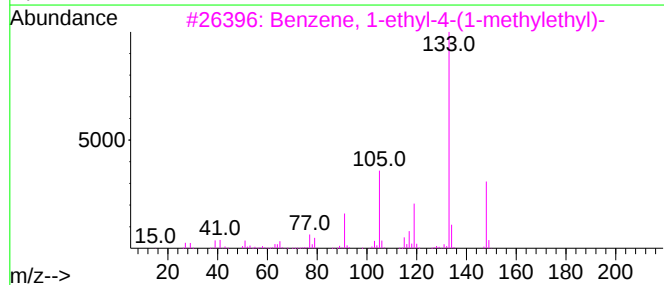
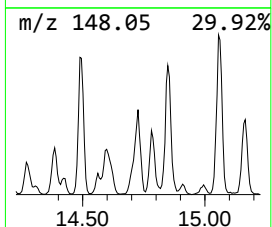
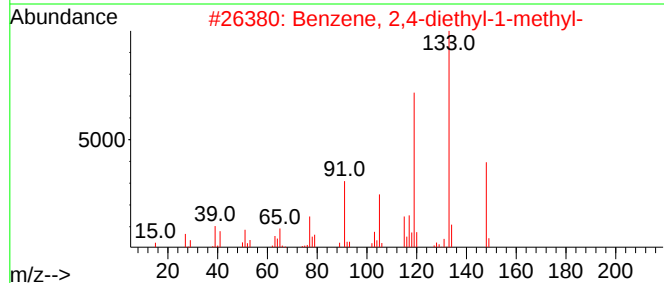
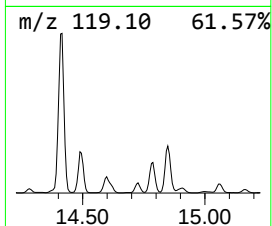
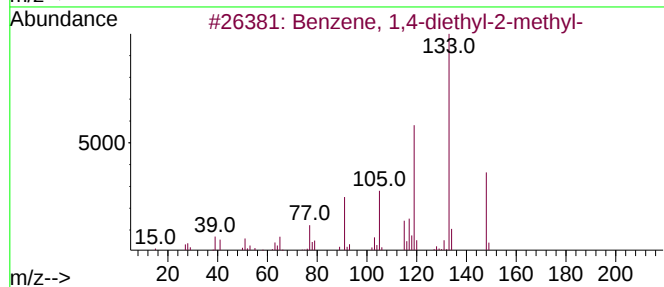
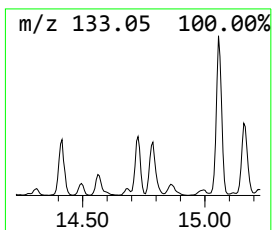
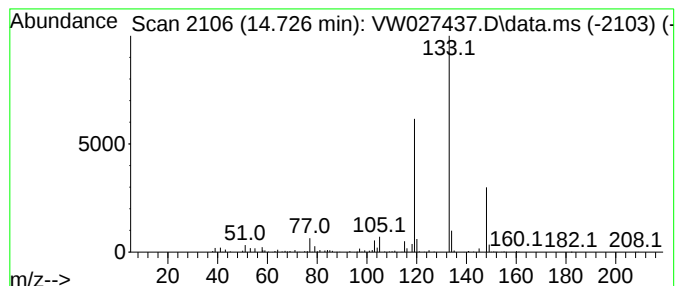
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Quant Title : SFAM01.0

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

Peak Number 68 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.726	6.55 ug/L	320344	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72
4			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	64
5			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

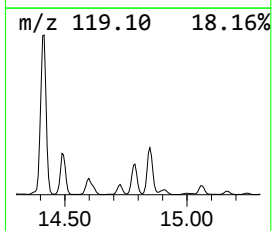
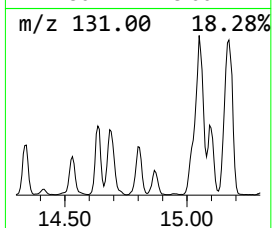
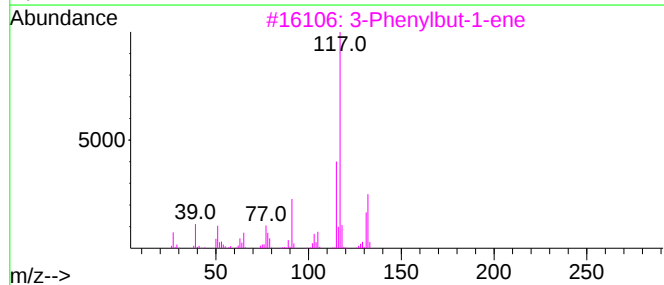
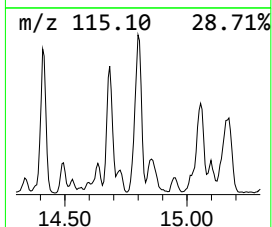
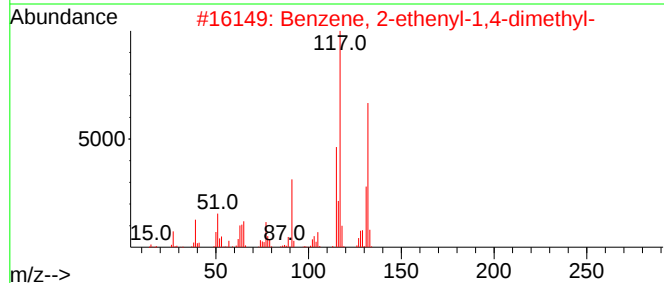
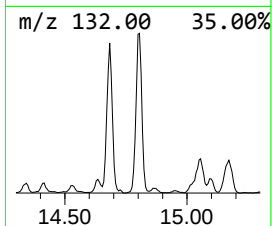
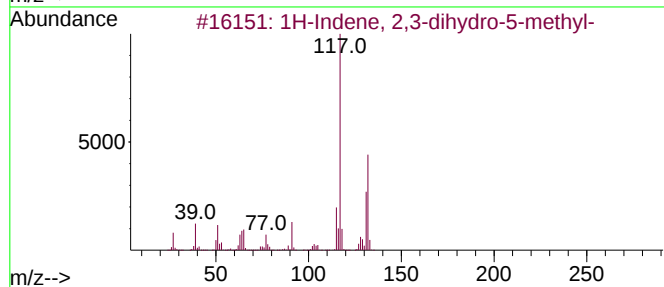
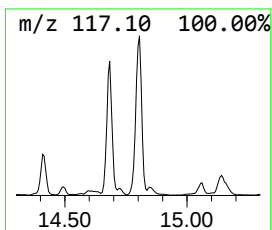
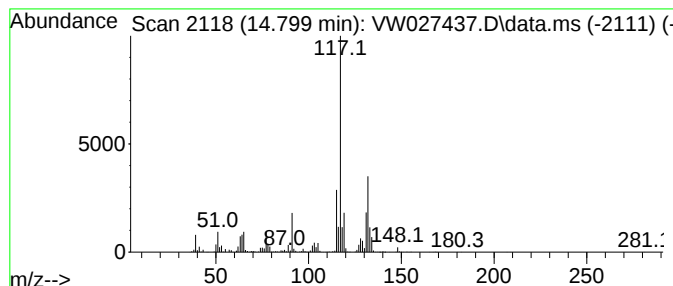
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Quant Title : SFAM01.0

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

Peak Number 69 3-Phenylbut-1-ene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.800	34.51 ug/L	1687860	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

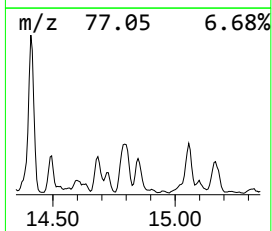
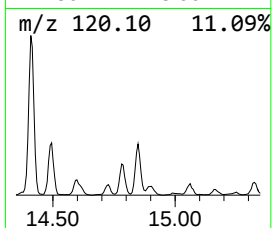
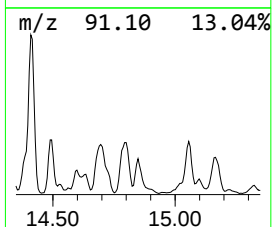
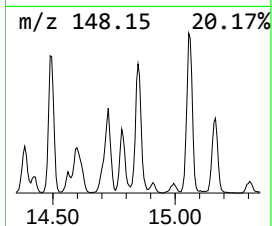
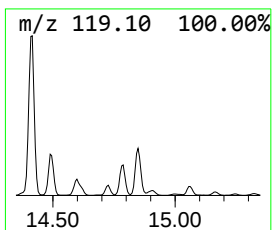
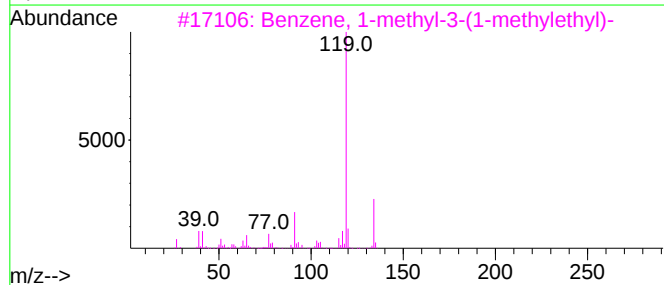
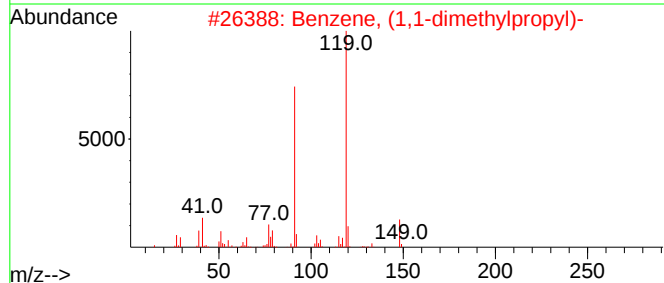
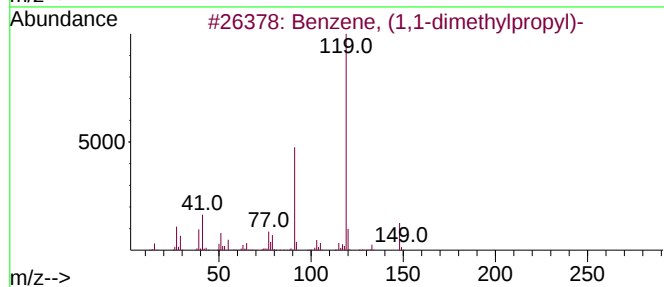
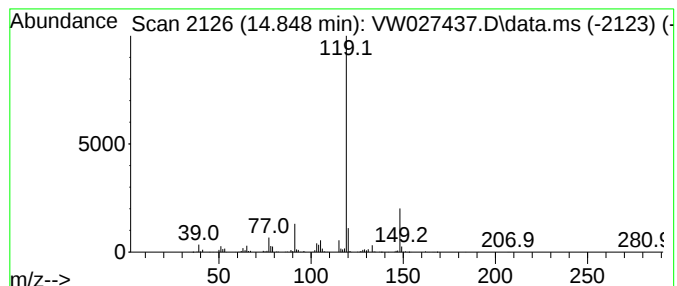
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Quant Title : SFAM01.0

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

Peak Number 70 Benzene, (1,1-dimethylpropyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.848	12.47 ug/L	609843	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	90
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	64
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	59
5			p-Cymene	134	C10H14	000099-87-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

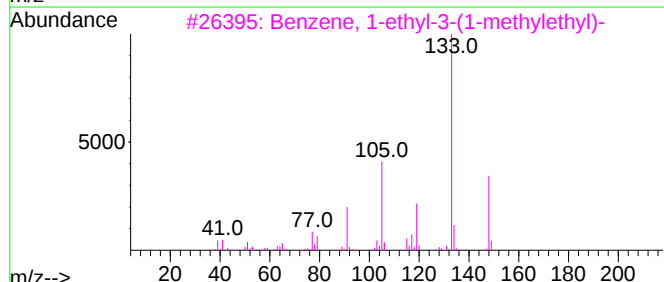
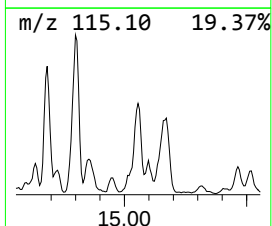
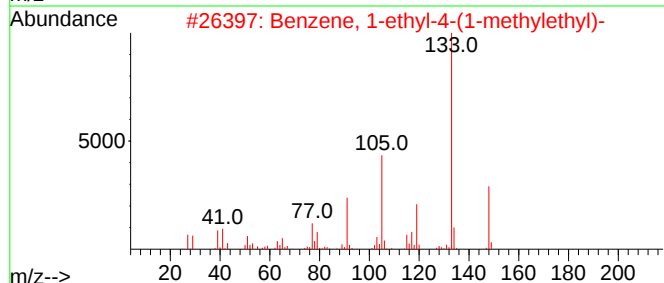
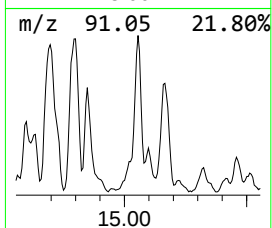
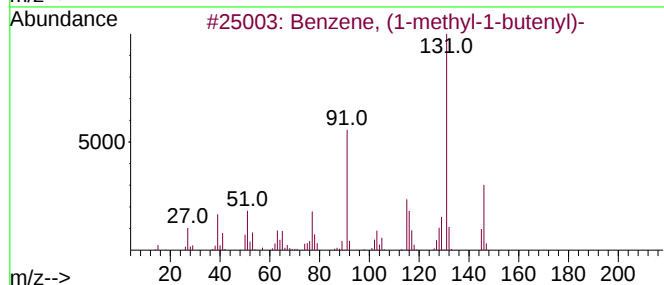
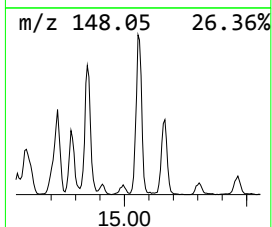
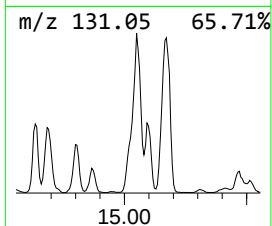
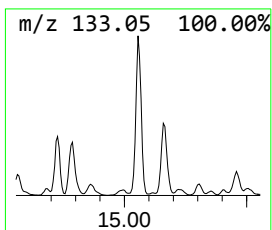
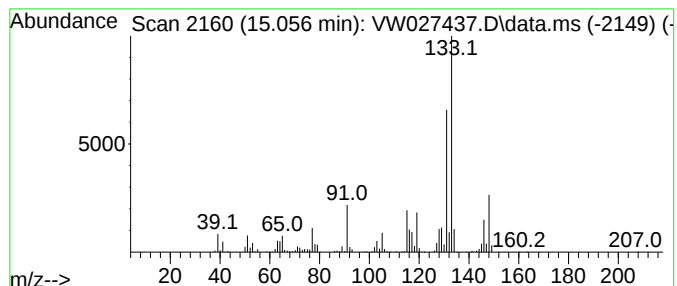
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Quant Title : SFAM01.0

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

Peak Number 71 Benzene, (1-methyl-1-butenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	28.04 ug/L	1371500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	84
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
3			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
5			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

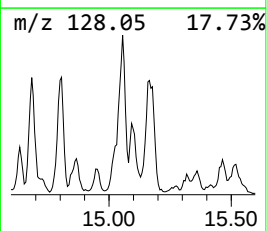
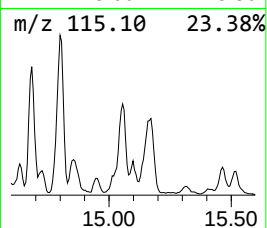
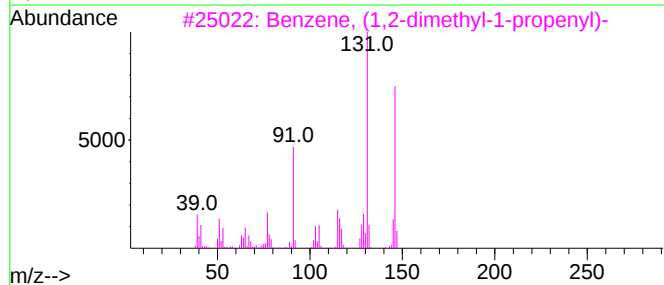
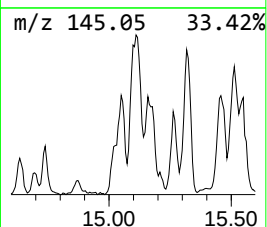
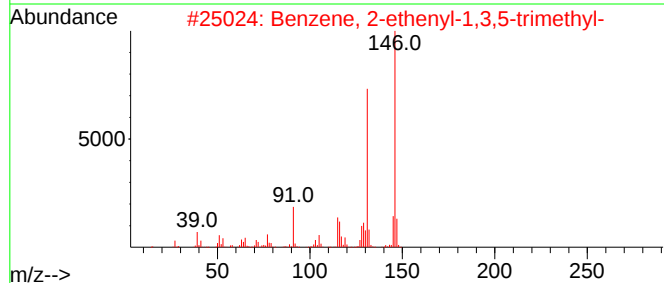
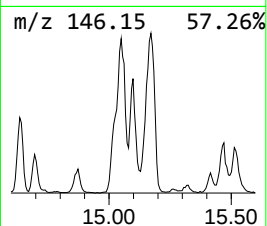
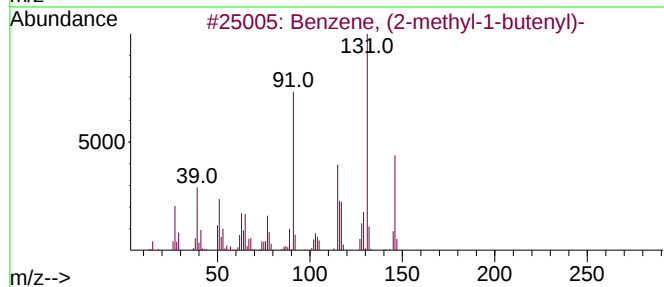
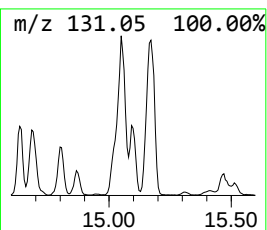
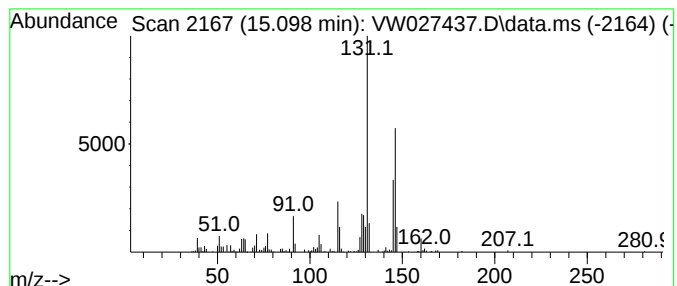
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Quant Title : SFAM01.0

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

Peak Number 72 Benzene, (2-methyl-1-butenyl)- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	5.77 ug/L	282157	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	90
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

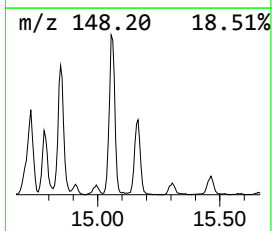
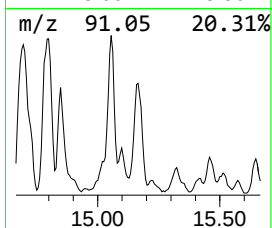
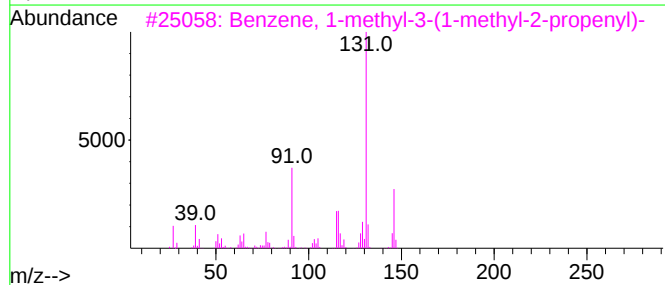
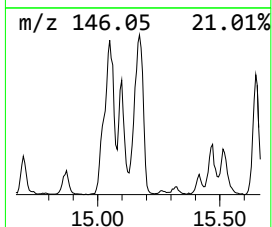
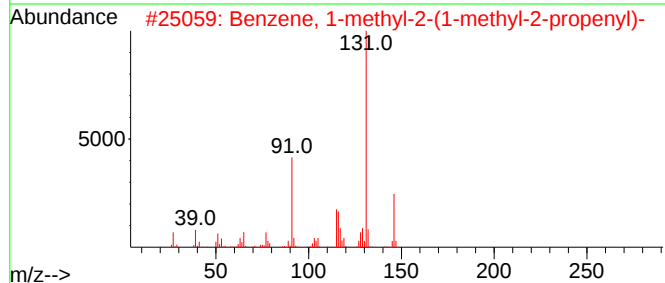
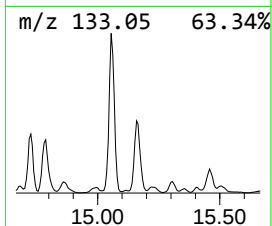
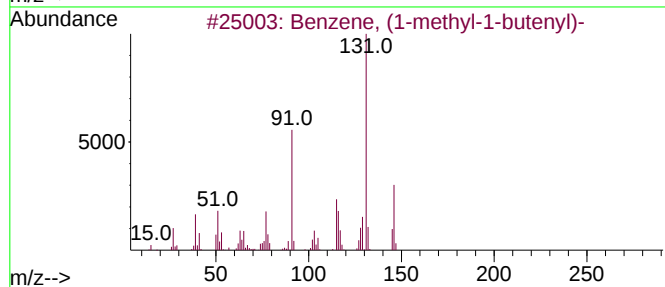
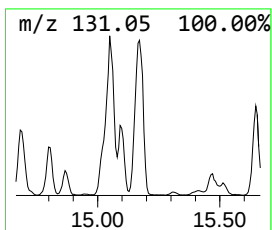
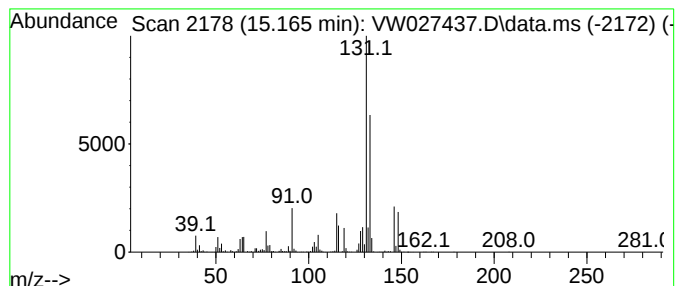
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Quant Title : SFAM01.0

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

Peak Number 73 Benzene, 1-methyl-2-(1-meth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	21.80 ug/L	1066200	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
2			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
3			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	70
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

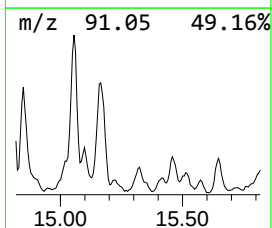
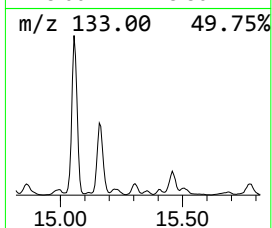
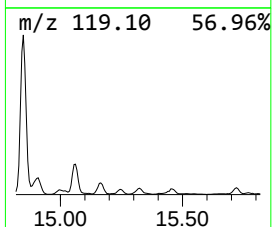
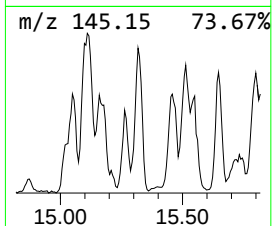
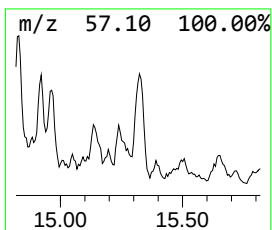
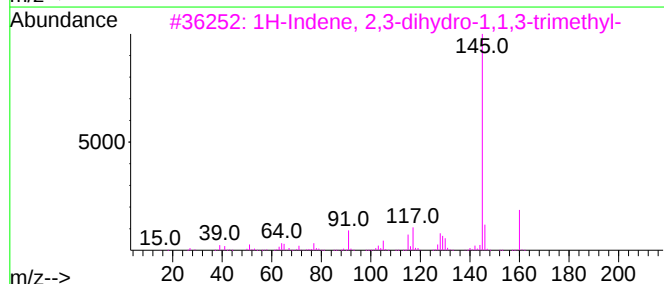
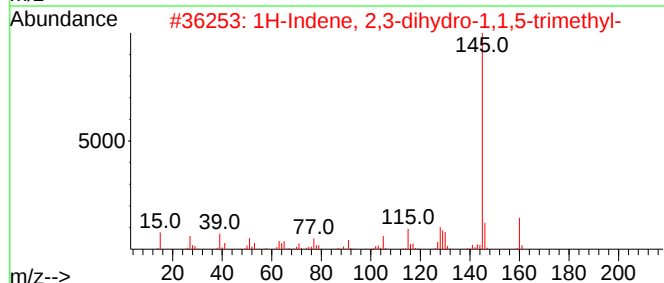
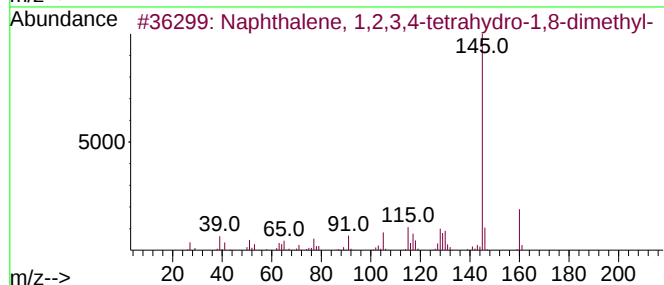
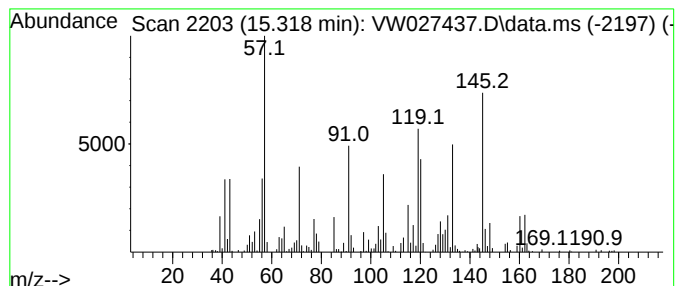
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Quant Title : SFAM01.0

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

Peak Number 74 unknown-03 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	5.90 ug/L	288500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	47
2			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	38
3			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
4			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38
5			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

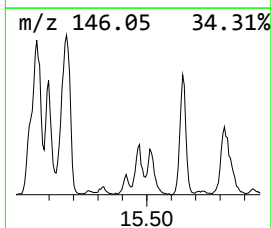
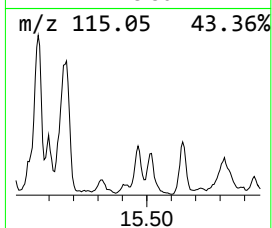
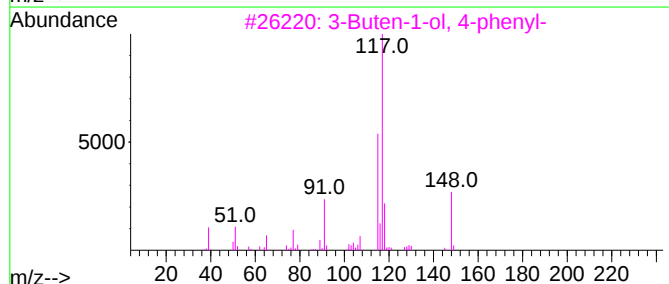
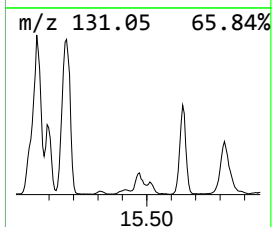
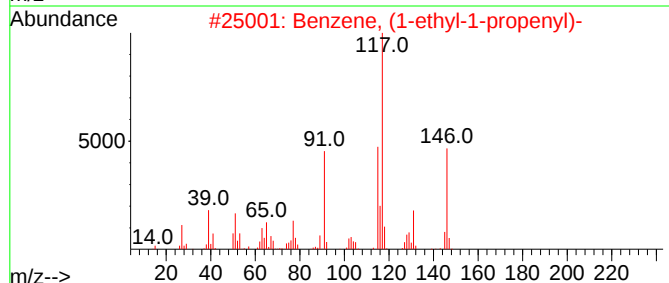
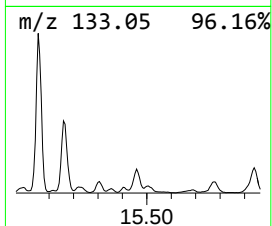
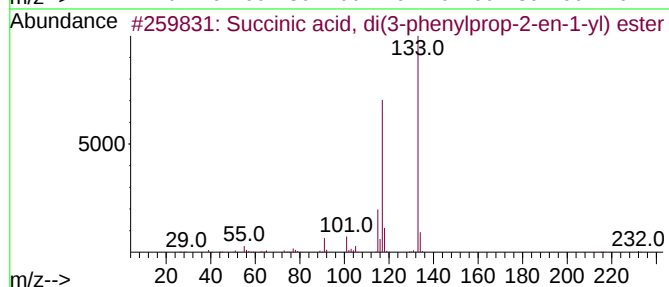
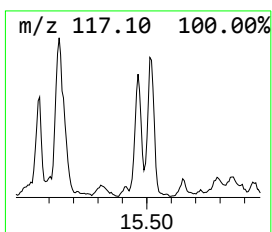
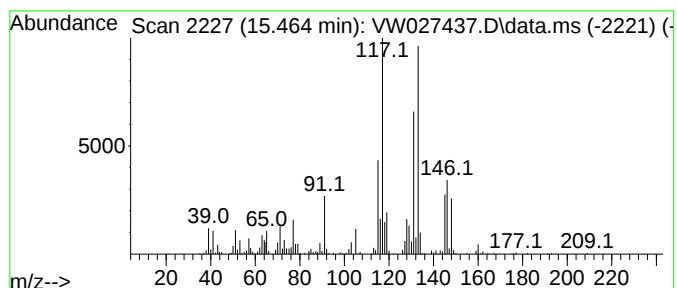
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Quant Title : SFAM01.0

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

Peak Number 75 unknown-04 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.464	6.76 ug/L	330642	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, di(3-phenylprop-2...	350	C22H22O4	1000391-05-0	43
2			Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38
3			3-Buten-1-ol, 4-phenyl-	148	C10H12O	000937-58-6	38
4			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	35
5			Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

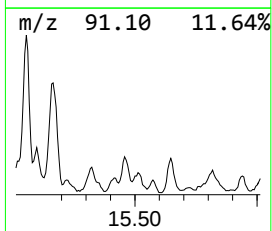
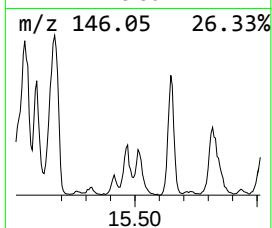
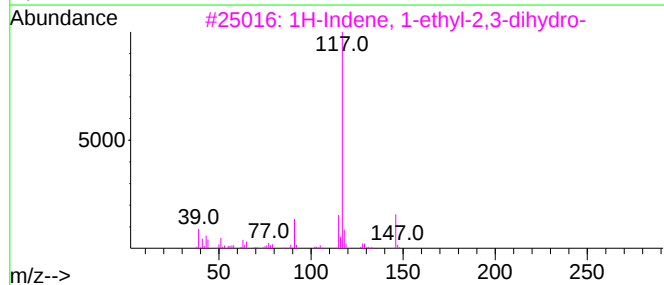
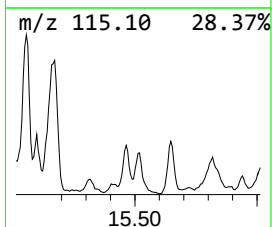
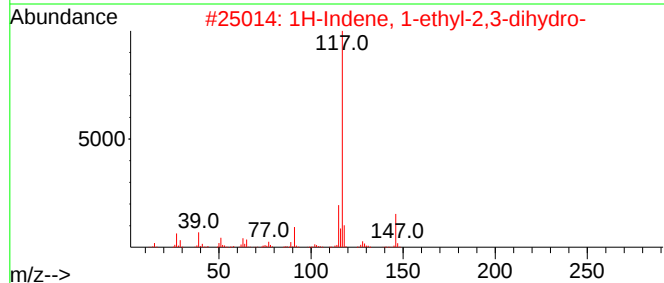
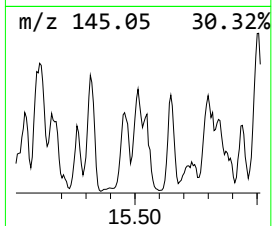
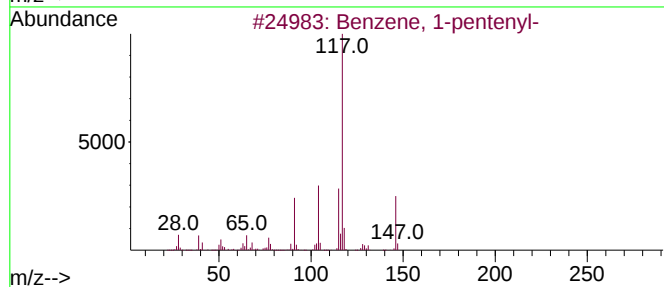
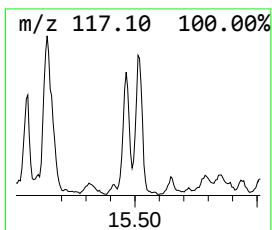
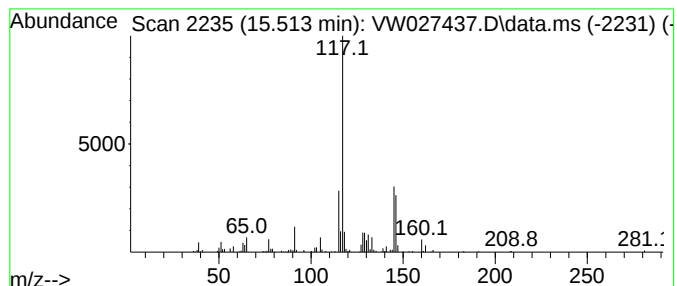
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Quant Title : SFAM01.0

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

Peak Number 76 Benzene, 1-pentenyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.513	6.48 ug/L	316836	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-pentenyl-	146	C11H14	000826-18-6	64
2			1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	58
3			1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	53
4			Benzenepropanoic acid, 3-phenyl-...	266	C18H18O2	028048-98-8	50
5			1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

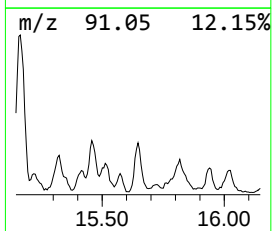
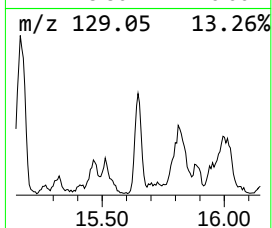
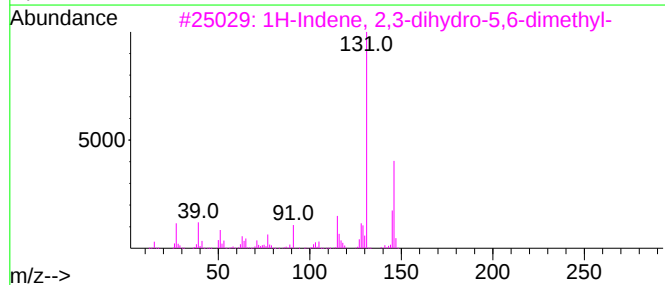
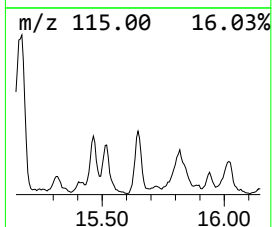
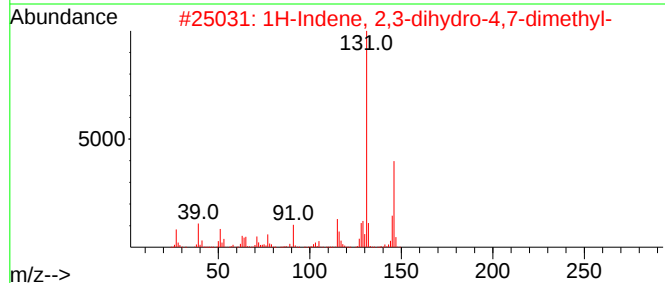
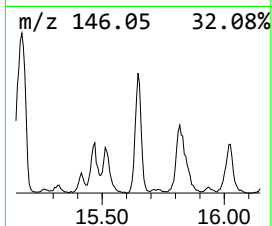
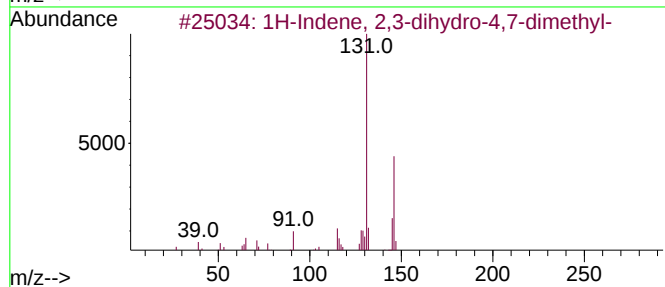
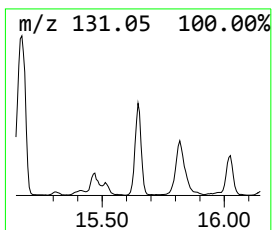
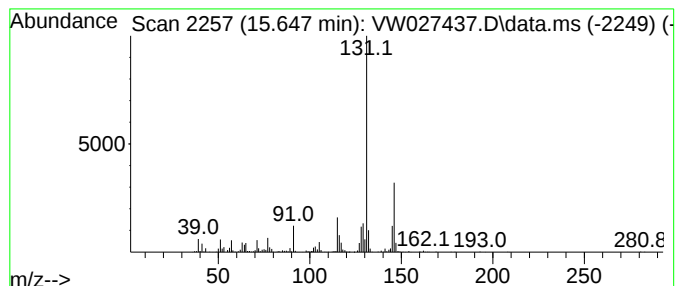
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Quant Title : SFAM01.0

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

Peak Number 77 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	8.74 ug/L	427433	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	96		
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94		
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94		
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94		
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

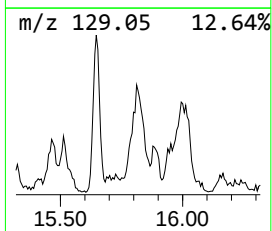
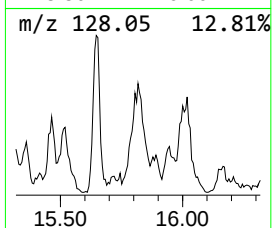
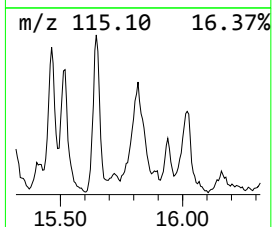
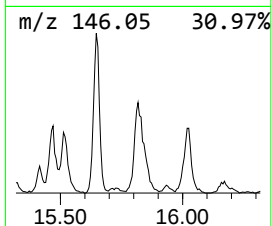
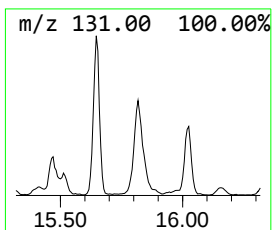
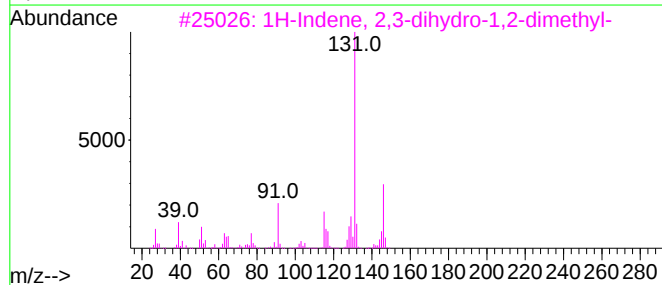
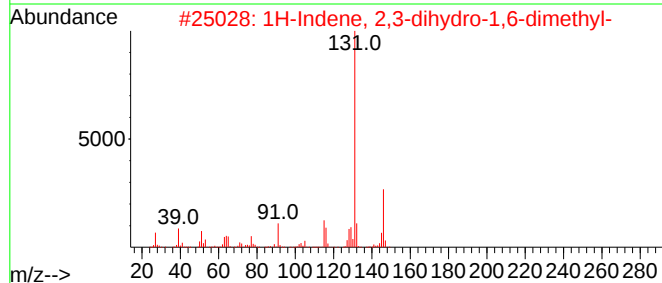
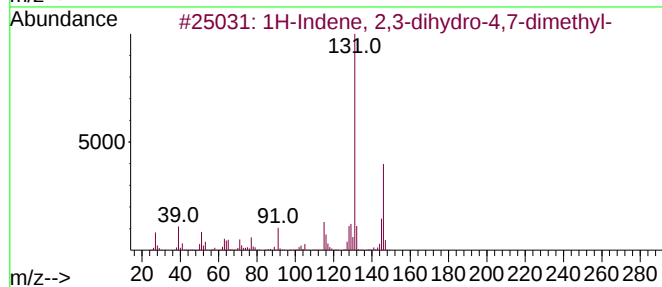
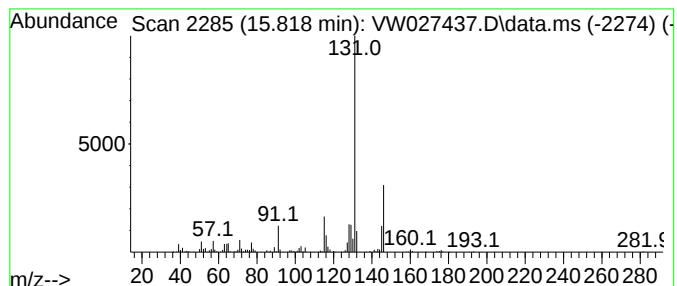
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Quant Title : SFAM01.0

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

Peak Number 78 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.818	8.45 ug/L	413292	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	95
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027437.D
Acq On : 25 Oct 2023 12:59
Operator : SY/MD
Sample : 04961-11
Misc : 5.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LJ5

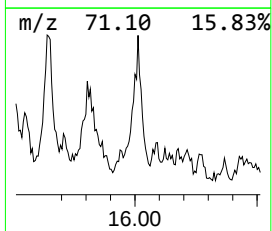
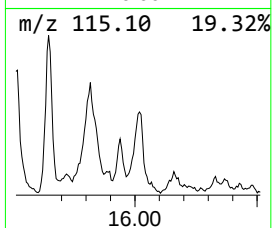
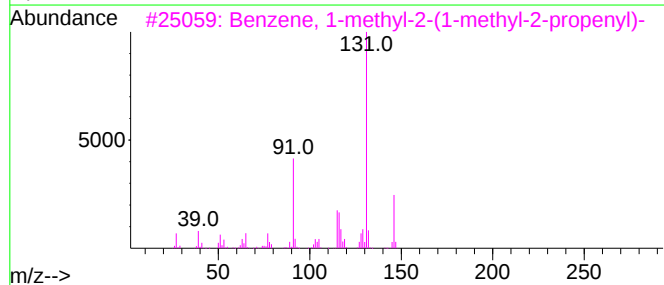
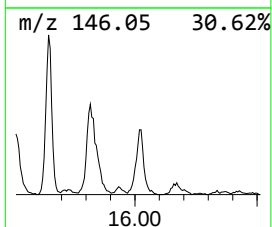
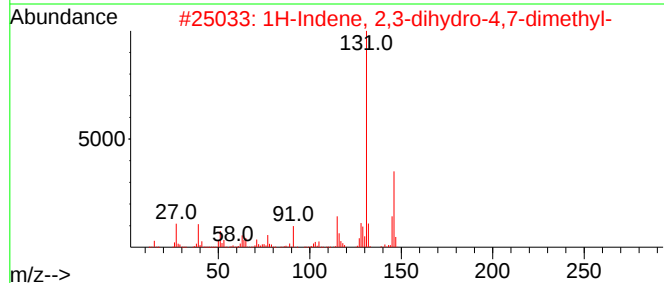
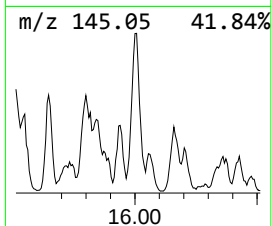
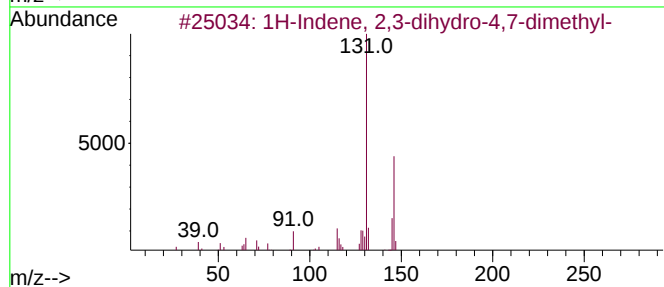
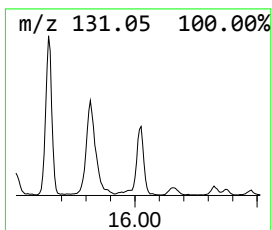
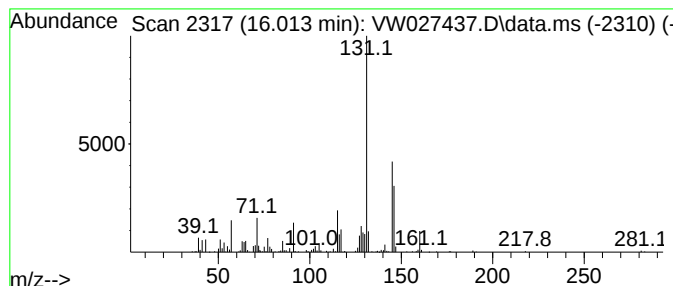
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Quant Title : SFAM01.0

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

Peak Number 79 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.013	6.57 ug/L	321165	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	70
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
3			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	64
4			Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	64
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
 Data File : VW027437.D
 Acq On : 25 Oct 2023 12:59
 Operator : SY/MD
 Sample : 04961-11
 Misc : 5.11g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E0LJ5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	3.039	5.0	ug/L	345911	1	8.843	1711950	25.0
(DEL) Alkane: S...	4.118	36.0	ug/L	2464980	1	8.843	1711950	25.0
(DEL) Alkane: S...	4.905	214.9	ug/L	14719200	1	8.843	1711950	25.0
(DEL) Alkane: S...	5.441	49.7	ug/L	3406430	1	8.843	1711950	25.0
(DEL) Alkane: S...	6.722	10.0	ug/L	687385	1	8.843	1711950	25.0
(DEL) Alkane: S...	6.880	180.0	ug/L	12329000	1	8.843	1711950	25.0
(DEL) Alkane: S...	7.173	7.4	ug/L	507027	1	8.843	1711950	25.0
(DEL) Alkane: S...	7.703	9.2	ug/L	629767	1	8.843	1711950	25.0
(DEL) Alkane: S...	7.923	16.8	ug/L	1151510	1	8.843	1711950	25.0
(DEL) Alkane: S...	8.038	377.9	ug/L	25878100	1	8.843	1711950	25.0
(DEL) Alkane: S...	8.154	35.9	ug/L	2458680	1	8.843	1711950	25.0
(DEL) Alkane: S...	8.484	938.7	ug/L	64277600	1	8.843	1711950	25.0
(DEL) Alkane: S...	8.929	3.9	ug/L	268523	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.069	10.2	ug/L	695418	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.148	7.8	ug/L	530621	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.331	180.8	ug/L	12381500	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.386	175.5	ug/L	12018800	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.471	32.2	ug/L	2206460	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.611	43.1	ug/L	2953950	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.764	396.8	ug/L	27170600	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.898	458.0	ug/L	31361900	1	8.843	1711950	25.0
(DEL) Alkane: S...	9.989	42.3	ug/L	2893790	1	8.843	1711950	25.0
(DEL) Alkane: S...	10.093	115.9	ug/L	7939630	1	8.843	1711950	25.0
(DEL) Alkane: S...	10.252	83.4	ug/L	11344100	2	11.629	3400650	25.0
(DEL) Alkane: C...	10.447	16.6	ug/L	2264260	2	11.629	3400650	25.0
(DEL) Alkane: S...	10.489	30.1	ug/L	4094080	2	11.629	3400650	25.0
(DEL) Alkane: C...	10.666	10.0	ug/L	1363160	2	11.629	3400650	25.0
(DEL) Alkane: C...	10.764	55.3	ug/L	7523690	2	11.629	3400650	25.0
(DEL) Alkane: S...	10.843	18.9	ug/L	2567880	2	11.629	3400650	25.0
(DEL) Alkane: S...	11.032	35.9	ug/L	4884230	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.105	3.9	ug/L	533328	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.142	6.3	ug/L	860943	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.227	8.7	ug/L	1178790	2	11.629	3400650	25.0
1,2,4,4-Tetrame...	11.282	5.4	ug/L	729735	2	11.629	3400650	25.0
(DEL) Alkane: S...	11.337	10.2	ug/L	1391200	2	11.629	3400650	25.0
(DEL) Alkane: S...	11.404	53.9	ug/L	7333920	2	11.629	3400650	25.0
(DEL) Alkane: S...	11.507	31.9	ug/L	4332860	2	11.629	3400650	25.0
(DEL) Alkane: S...	11.690	29.6	ug/L	4030170	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.763	1.8	ug/L	245132	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.806	9.8	ug/L	1328830	2	11.629	3400650	25.0
Carbonic acid, ...	11.873	30.2	ug/L	4111890	2	11.629	3400650	25.0
(DEL) Alkane: C...	11.916	6.2	ug/L	837398	2	11.629	3400650	25.0
(DEL) Alkane: S...	12.026	4.9	ug/L	663563	2	11.629	3400650	25.0
(DEL) Alkane: S...	12.062	13.1	ug/L	1779200	2	11.629	3400650	25.0
(DEL) Alkane: C...	12.135	12.4	ug/L	1683770	2	11.629	3400650	25.0
(DEL) Alkane: S...	12.245	20.2	ug/L	2752940	2	11.629	3400650	25.0
Cyclooctene, 3-...	12.330	15.4	ug/L	2090760	2	11.629	3400650	25.0
(DEL) Alkane: S...	12.586	69.4	ug/L	9442580	2	11.629	3400650	25.0
(DEL) Alkane: S...	12.751	44.0	ug/L	2152850	3	13.556	1222740	25.0
Benzene, propyl-	12.800	64.3	ug/L	3146670	3	13.556	1222740	25.0
(DEL) Alkane: S...	12.952	69.3	ug/L	3390500	3	13.556	1222740	25.0
Oxalic acid, is...	13.074	8.2	ug/L	402468	3	13.556	1222740	25.0

Butyl tetratria...	13.123	9.0	ug/L	439380	3	13.556	1222740	25.0
(DEL) Alkane: S...	13.184	28.1	ug/L	1375340	3	13.556	1222740	25.0
Benzene, 1-meth...	13.373	38.2	ug/L	1869000	3	13.556	1222740	25.0
(DEL) Alkane: S...	13.477	7.5	ug/L	364286	3	13.556	1222740	25.0
Benzene, 1,3-di...	13.714	42.3	ug/L	2066510	3	13.556	1222740	25.0
unknown-01	13.757	7.7	ug/L	375427	3	13.556	1222740	25.0
Benzene, 1,2-di...	13.794	10.8	ug/L	528962	3	13.556	1222740	25.0
Benzene, 4-ethy...	14.092	84.0	ug/L	4107250	3	13.556	1222740	25.0
Benzene, 2-ethe...	14.153	9.2	ug/L	452014	3	13.556	1222740	25.0
Benzene, 1-ethe...	14.202	42.1	ug/L	2061100	3	13.556	1222740	25.0
unknown-02	14.269	7.0	ug/L	339949	3	13.556	1222740	25.0
1H-Indene, 2,3-...	14.342	4.4	ug/L	213458	3	13.556	1222740	25.0
Benzene, 1,2,3,...	14.409	66.4	ug/L	3249350	3	13.556	1222740	25.0
Benzene, 1-meth...	14.495	24.4	ug/L	1194570	3	13.556	1222740	25.0
1H-Indene, 2,3-...	14.684	18.8	ug/L	917274	3	13.556	1222740	25.0
Benzene, 1,4-di...	14.726	6.5	ug/L	320344	3	13.556	1222740	25.0
3-Phenylbut-1-ene	14.800	34.5	ug/L	1687860	3	13.556	1222740	25.0
Benzene, (1,1-d...	14.848	12.5	ug/L	609843	3	13.556	1222740	25.0
Benzene, (1-met...	15.056	28.0	ug/L	1371500	3	13.556	1222740	25.0
Benzene, (2-met...	15.098	5.8	ug/L	282157	3	13.556	1222740	25.0
Benzene, 1-meth...	15.165	21.8	ug/L	1066200	3	13.556	1222740	25.0
unknown-03	15.318	5.9	ug/L	288500	3	13.556	1222740	25.0
unknown-04	15.464	6.8	ug/L	330642	3	13.556	1222740	25.0
Benzene, 1-pent...	15.513	6.5	ug/L	316836	3	13.556	1222740	25.0
1H-Indene, 2,3-...	15.647	8.7	ug/L	427433	3	13.556	1222740	25.0
1H-Indene, 2,3-...	15.818	8.4	ug/L	413292	3	13.556	1222740	25.0
Naphthalene, 6-...	16.013	6.6	ug/L	321165	3	13.556	1222740	25.0

Instrument :

MSVOA_W

ClientSampleId :

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