

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
 Data File : VW026877.D
 Acq On : 25 Aug 2023 01:41
 Operator : SY/MD
 Sample : 04113-16
 Misc : 8.13g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZJ2

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026877.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	70	78	91	rVV	51001	144406	0.36%	0.028%
2	2.899	158	166	176	rBV2	52343	144527	0.36%	0.028%
3	4.027	337	351	362	rBV2	105617	367235	0.93%	0.072%
4	4.131	363	368	379	rVB2	16227	45365	0.11%	0.009%
5	4.387	401	410	419	rVV	9905	32250	0.08%	0.006%
6	4.929	485	499	501	rBV5	17547	54548	0.14%	0.011%
7	5.435	571	582	590	rVV2	8829	30324	0.08%	0.006%
8	5.935	655	664	673	rBV4	18048	59477	0.15%	0.012%
9	6.984	826	836	844	rBV2	21319	65415	0.16%	0.013%
10	7.081	844	852	876	rVB2	59247	209914	0.53%	0.041%
11	7.648	934	945	962	rBV2	259154	754514	1.90%	0.148%
12	7.880	975	983	985	rVV2	11793	31268	0.08%	0.006%
13	7.929	985	991	1002	rVV5	41301	164736	0.42%	0.032%
14	8.032	1002	1008	1020	rVV2	29686	88722	0.22%	0.017%
15	8.154	1020	1028	1035	rVV	55117	129320	0.33%	0.025%
16	8.276	1035	1048	1065	rVV2	544523	1594609	4.02%	0.314%
17	8.429	1065	1073	1077	rVV3	32218	83396	0.21%	0.016%
18	8.490	1077	1083	1092	rVV4	56424	213811	0.54%	0.042%
19	8.575	1092	1097	1108	rVV4	48713	126428	0.32%	0.025%
20	8.697	1108	1117	1131	rVB	70054	151917	0.38%	0.030%
21	8.843	1131	1141	1162	rBV	577254	1159264	2.92%	0.228%
22	9.081	1171	1180	1198	rBV	99967	234715	0.59%	0.046%
23	9.276	1203	1212	1217	rBV	431126	970883	2.45%	0.191%
24	9.331	1217	1221	1228	rVB	276716	528830	1.33%	0.104%
25	9.514	1246	1251	1257	rVB	30795	58083	0.15%	0.011%
26	9.611	1257	1267	1279	rBV2	74023	191221	0.48%	0.038%
27	9.752	1283	1290	1302	rBV2	132112	328662	0.83%	0.065%
28	9.849	1302	1306	1308	rBV3	17521	26762	0.07%	0.005%
29	9.898	1308	1314	1318	rBV	84621	166222	0.42%	0.033%
30	9.953	1318	1323	1327	rBV	197662	338174	0.85%	0.067%
31	10.032	1333	1336	1340	rBV	63626	92947	0.23%	0.018%
32	10.093	1340	1346	1360	rVB	237591	580102	1.46%	0.114%
33	10.215	1360	1366	1367	rBV3	34452	60254	0.15%	0.012%
34	10.245	1367	1371	1377	rVB2	54523	97220	0.24%	0.019%
35	10.319	1377	1383	1398	rVB	1008549	2246134	5.66%	0.442%
36	10.447	1399	1404	1406	rBV	48817	75015	0.19%	0.015%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	10.501	1406	1413	1421	rVB2	365680	812699	2.05%	0.160%
38	10.581	1421	1426	1428	rBV	46971	84263	0.21%	0.017%
39	10.623	1428	1433	1435	rBV2	81097	132283	0.33%	0.026%
40	10.666	1435	1440	1449	rVB	486241	985095	2.48%	0.194%
41	10.764	1449	1456	1465	rBV6	286848	827717	2.09%	0.163%
42	10.843	1465	1469	1475	rVB2	167621	293212	0.74%	0.058%
43	10.934	1475	1484	1491	rBV2	687461	1368275	3.45%	0.269%
44	11.032	1491	1500	1508	rBV	419744	961562	2.42%	0.189%
45	11.111	1508	1513	1516	rBV3	274522	534790	1.35%	0.105%
46	11.172	1520	1523	1527	rVV	569633	919013	2.32%	0.181%
47	11.233	1527	1533	1539	rVV	1487935	3202900	8.07%	0.630%
48	11.288	1539	1542	1545	rVV2	335330	553894	1.40%	0.109%
49	11.337	1545	1550	1554	rVV2	568454	1009772	2.54%	0.199%
50	11.434	1554	1566	1574	rVB3	1484716	4229212	10.66%	0.832%
51	11.507	1574	1578	1583	rBV	751451	1200605	3.03%	0.236%
52	11.629	1590	1598	1602	rBV2	529494	1061242	2.67%	0.209%
53	11.721	1611	1613	1616	rVB2	87464	87179	0.22%	0.017%
54	11.763	1616	1620	1624	rBV	861376	1440167	3.63%	0.283%
55	11.824	1624	1630	1634	rBV4	683303	1560640	3.93%	0.307%
56	11.873	1634	1638	1641	rBV	1047430	1574175	3.97%	0.310%
57	11.977	1650	1655	1657	rBV2	747686	1386004	3.49%	0.273%
58	12.056	1662	1668	1673	rVB5	699617	1747334	4.40%	0.344%
59	12.135	1673	1681	1687	rBV4	3989212	9473060	23.87%	1.864%
60	12.251	1692	1700	1704	rVB2	4053933	8483894	21.38%	1.669%
61	12.336	1704	1714	1724	rBV5	4363124	16041776	40.42%	3.156%
62	12.452	1724	1733	1737	rBV5	1974759	4441400	11.19%	0.874%
63	12.501	1738	1741	1743	rBV3	607919	893291	2.25%	0.176%
64	12.617	1756	1760	1765	rVB3	1311590	2184926	5.51%	0.430%
65	12.696	1765	1773	1777	rBV6	3368287	8314122	20.95%	1.636%
66	12.745	1778	1781	1782	rVV2	2068454	2763526	6.96%	0.544%
67	12.781	1782	1787	1793	rVB2	8509312	16576261	41.77%	3.262%
68	12.861	1793	1800	1804	rBV5	4166672	10034329	25.28%	1.974%
69	12.934	1806	1812	1826	rVB9	5150054	21201540	53.42%	4.172%
70	13.074	1827	1835	1839	rBV3	3982104	7840365	19.76%	1.543%
71	13.123	1839	1843	1846	rVV2	2459499	3901557	9.83%	0.768%
72	13.166	1846	1850	1862	rVB4	6687266	14972108	37.73%	2.946%
73	13.263	1862	1866	1867	rBV3	2098687	2769150	6.98%	0.545%
74	13.294	1867	1871	1875	rVV	4965024	8633192	21.75%	1.699%
75	13.342	1875	1879	1882	rVV3	3296630	5305312	13.37%	1.044%
76	13.379	1882	1885	1888	rVV3	2046124	2865014	7.22%	0.564%

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 Title : SFAM01.0

77	13.440	1888	1895	1899	rVV7	4867816	13071521	32.94%	2.572%
78	13.483	1899	1902	1907	rVB4	3806758	5524332	13.92%	1.087%
79	13.623	1922	1925	1931	rBV6	1880184	4469943	11.26%	0.880%
80	13.696	1931	1937	1941	rVV3	7184645	13684696	34.48%	2.693%
81	13.739	1941	1944	1951	rVB5	2137847	4284669	10.80%	0.843%
82	13.873	1961	1966	1971	rBV2	18764891	33746777	85.03%	6.640%
83	13.928	1972	1975	1979	rVB4	2680614	3501508	8.82%	0.689%
84	13.976	1980	1983	1986	rBV4	4308665	7183094	18.10%	1.413%
85	14.190	2014	2018	2023	rBV6	4861690	8747573	22.04%	1.721%
86	14.263	2026	2030	2036	rVB4	7489571	12346835	31.11%	2.429%
87	14.318	2036	2039	2044	rBV4	4186642	7168181	18.06%	1.410%
88	14.385	2044	2050	2054	rBV	23289915	39685968	100.00%	7.809%
89	14.549	2070	2077	2082	rBV5	21479696	39394023	99.26%	7.751%
90	14.598	2082	2085	2091	rVB4	6080733	9912851	24.98%	1.950%
91	14.738	2104	2108	2112	rBV3	4330023	6395437	16.12%	1.258%
92	14.799	2113	2118	2121	rVV4	7325803	15936674	40.16%	3.136%
93	14.848	2121	2126	2132	rVB3	14908445	32630345	82.22%	6.420%
94	14.970	2142	2146	2149	rBV	6522430	9787655	24.66%	1.926%
95	15.001	2149	2151	2155	rVB3	5337800	6419685	16.18%	1.263%
96	15.165	2174	2178	2184	rVB6	5193830	9936732	25.04%	1.955%
97	15.318	2200	2203	2209	rVB2	7375668	12380268	31.20%	2.436%
98	15.397	2210	2216	2221	rBV5	5871458	14708110	37.06%	2.894%
99	15.726	2265	2270	2278	rVB6	3917635	9288121	23.40%	1.828%
100	16.628	2412	2418	2432	rVB2	1304385	3713768	9.36%	0.731%

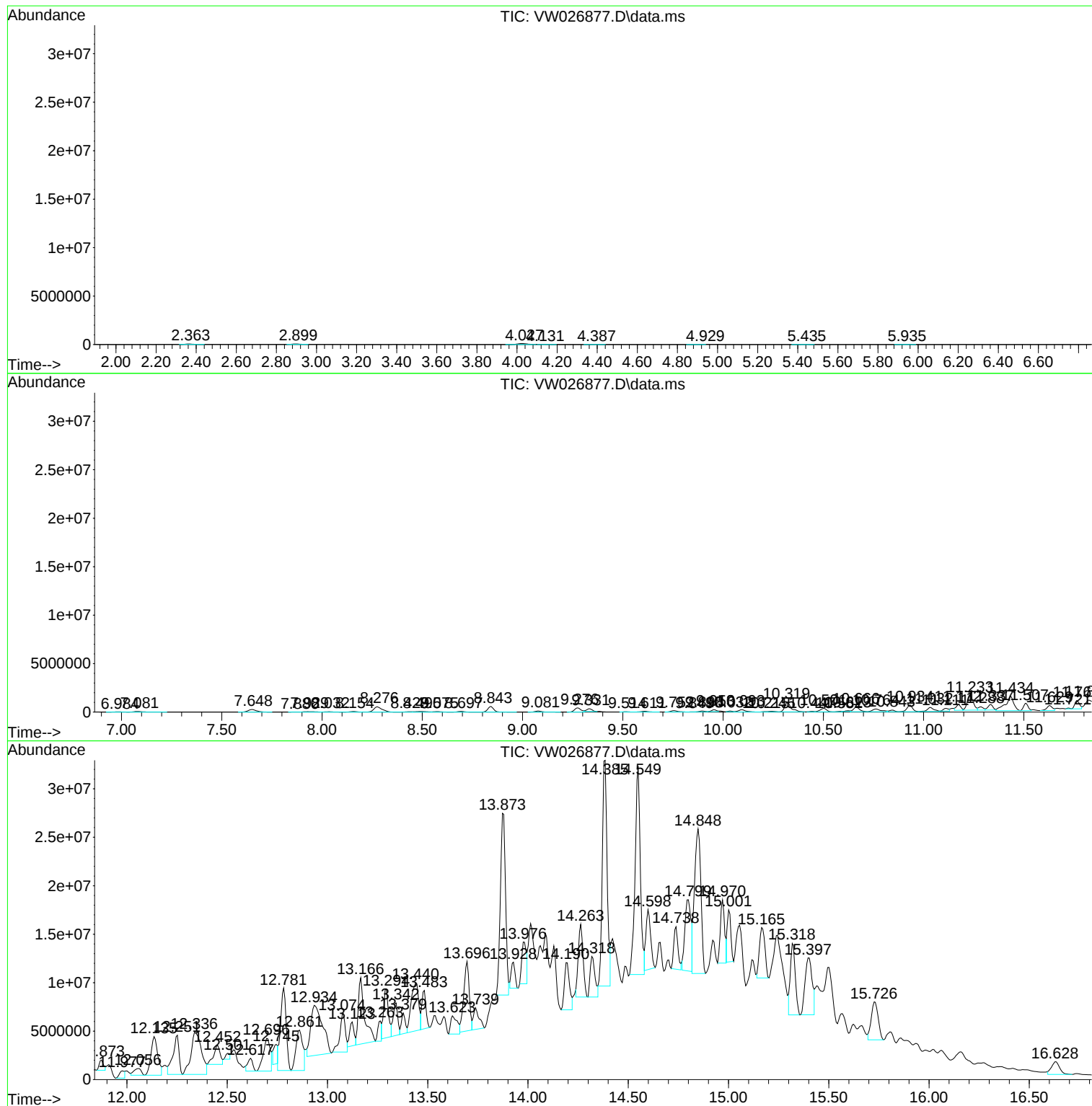
Sum of corrected areas: 508232292

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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



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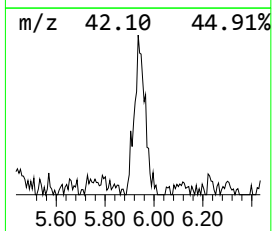
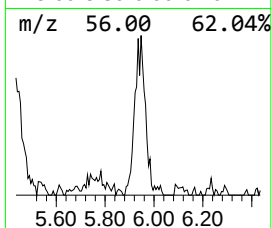
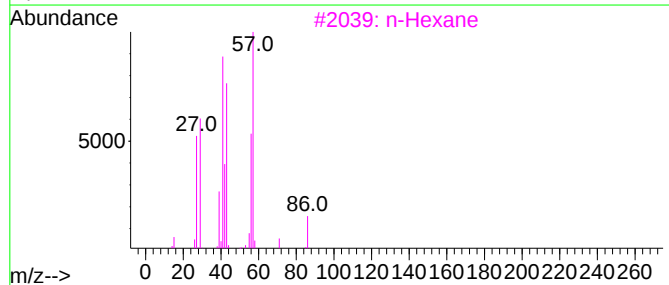
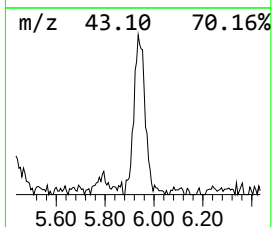
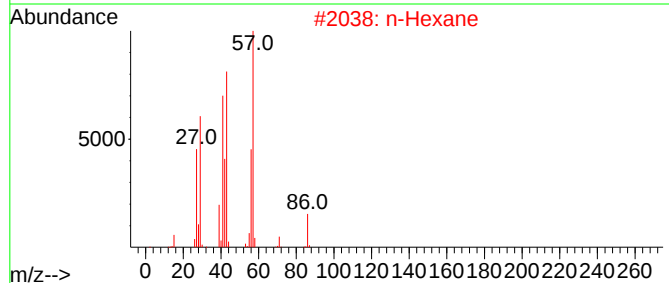
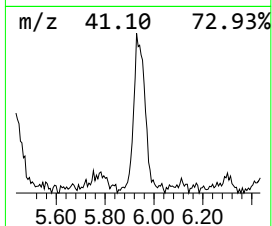
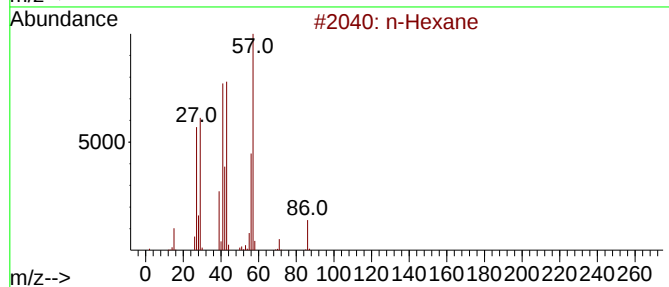
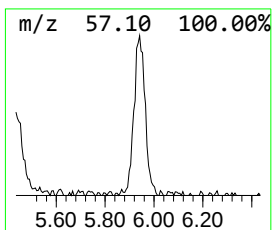
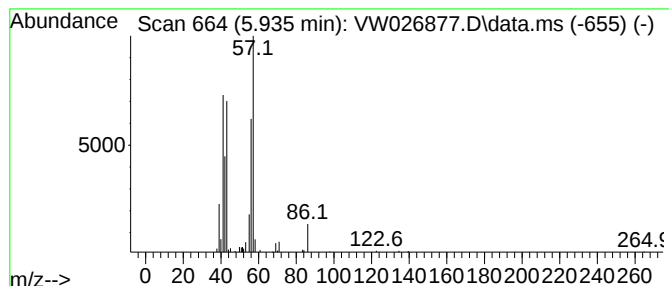
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.935	1.28 ug/L	59477	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	80
2	n-Hexane		86	C6H14	000110-54-3	80
3	n-Hexane		86	C6H14	000110-54-3	80
4	n-Hexane		86	C6H14	000110-54-3	72
5	2-Ethyl-oxetane		86	C5H10O	1010386-40-2	53



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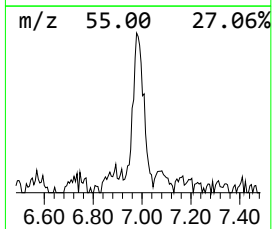
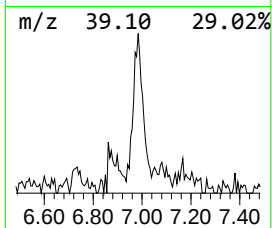
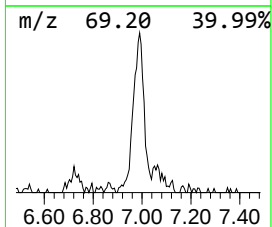
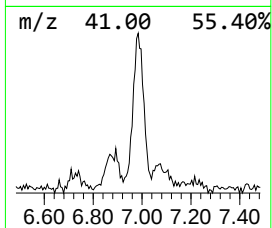
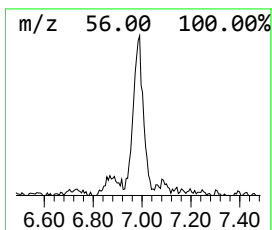
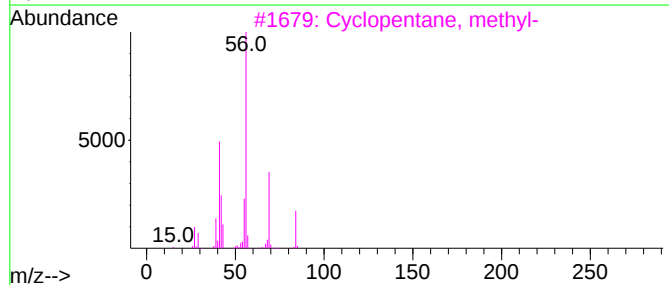
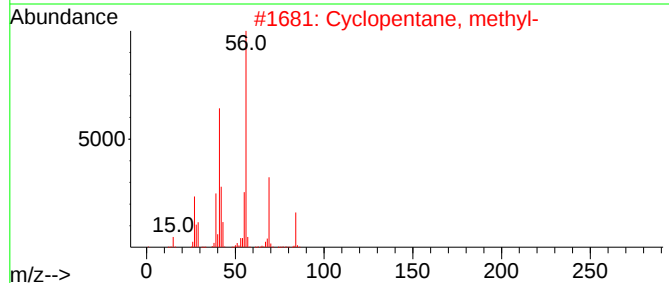
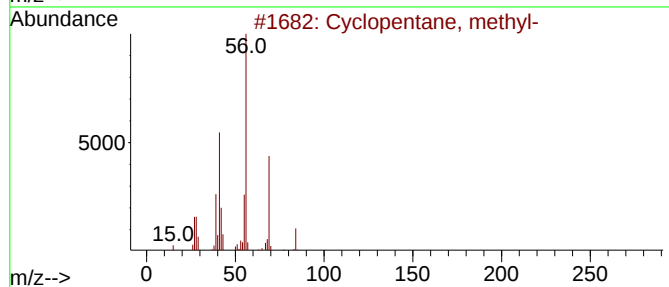
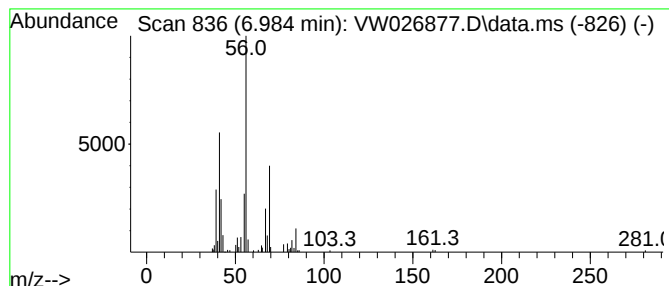
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic6.984 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	1.41 ug/L	65415	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3			Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4			Cyclohexane	84	C6H12	000110-82-7	59
5			Cyclohexane	84	C6H12	000110-82-7	59



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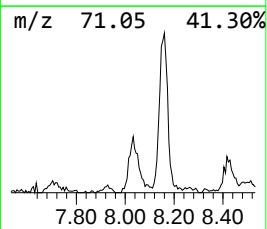
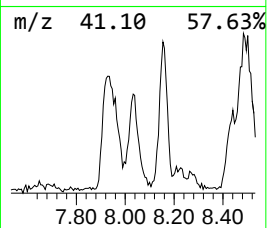
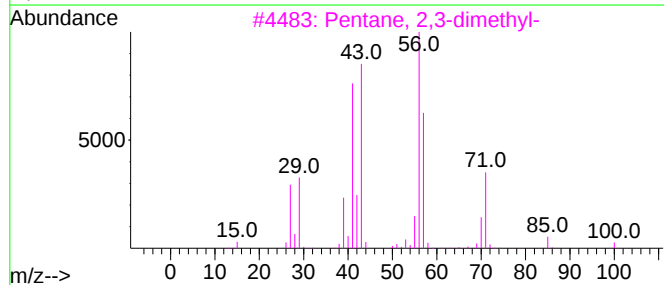
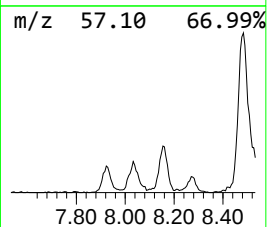
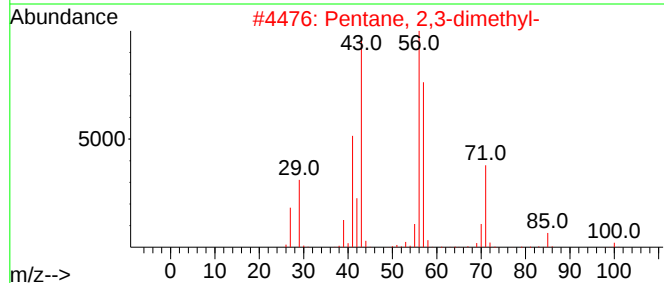
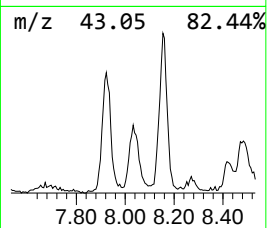
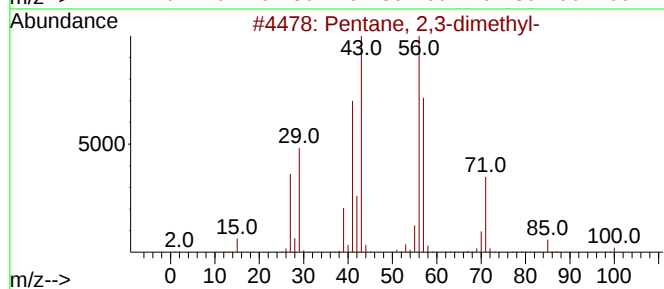
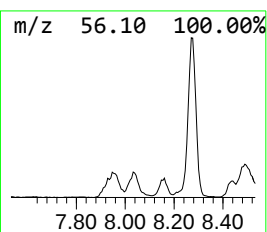
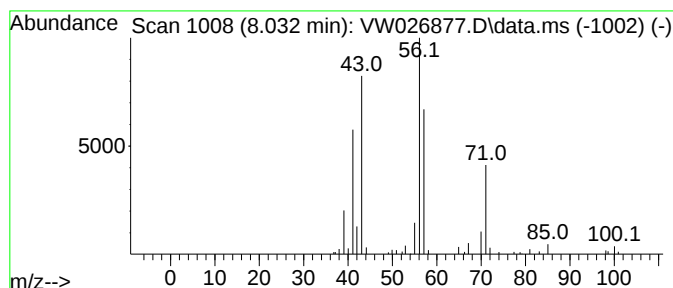
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	1.91 ug/L	88722	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	47
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

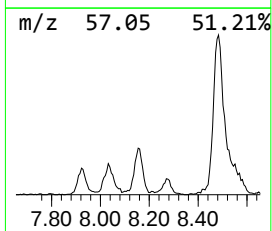
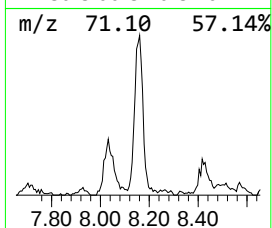
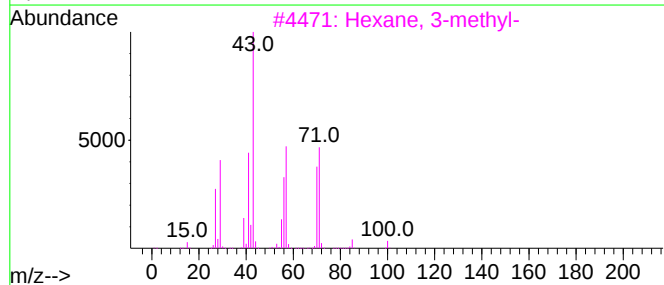
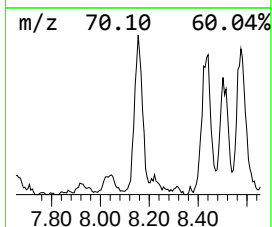
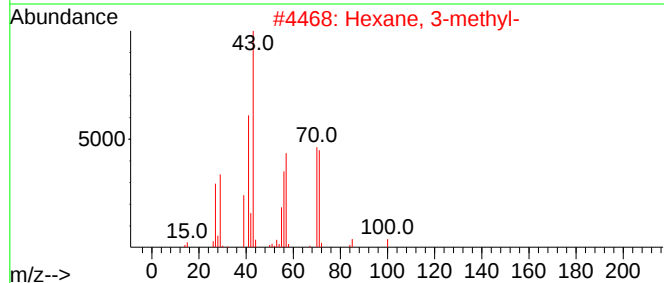
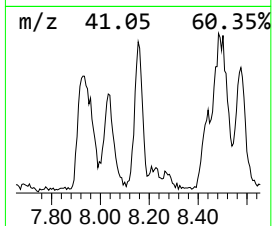
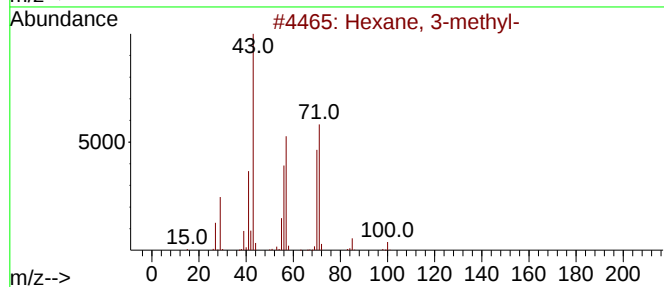
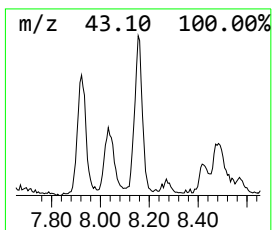
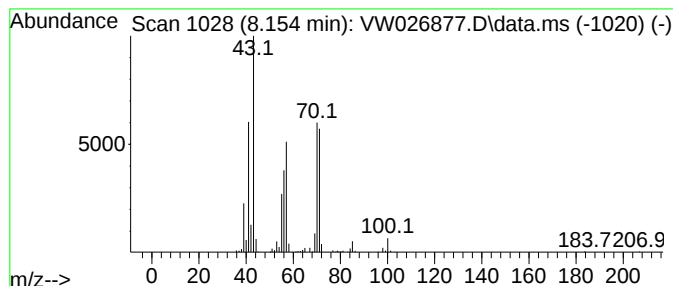
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	2.79 ug/L	129320	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5			Heptane	100	C7H16	000142-82-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

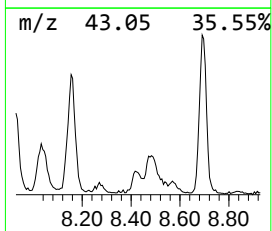
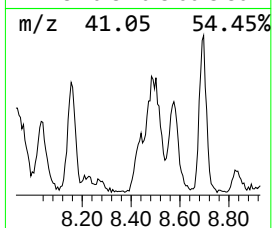
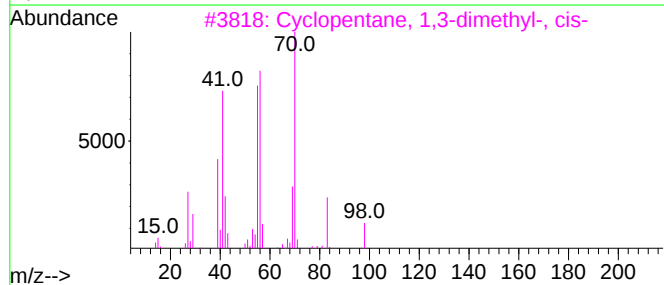
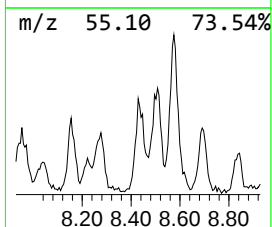
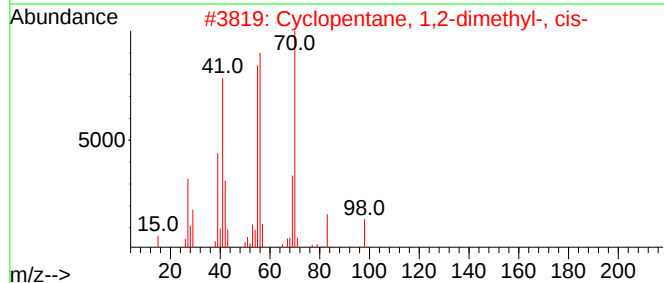
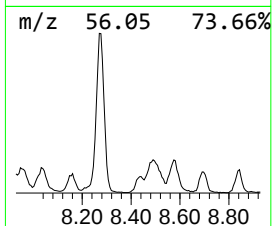
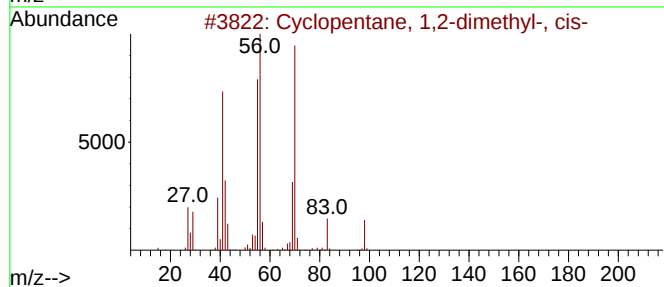
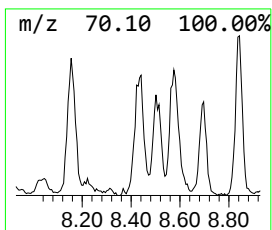
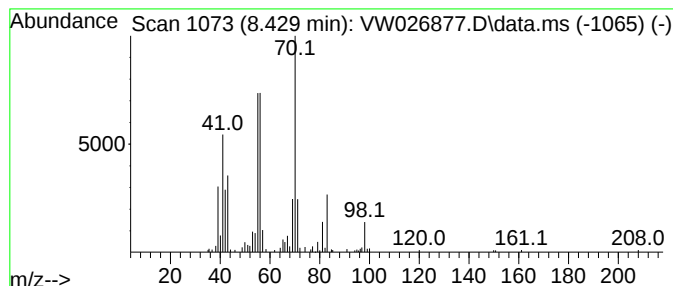
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic8.429 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.429	1.80 ug/L	83396	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	83
5		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

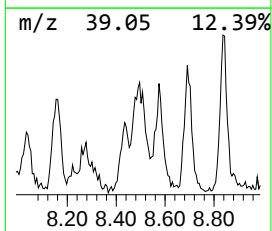
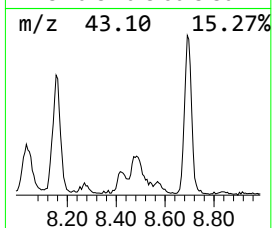
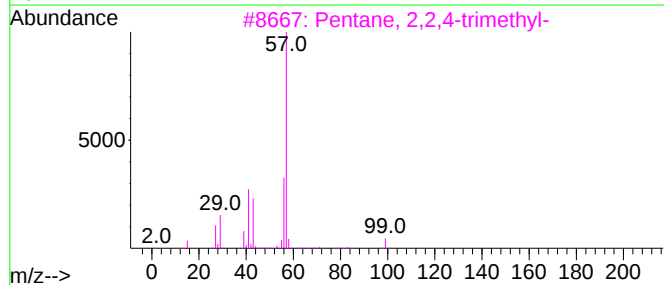
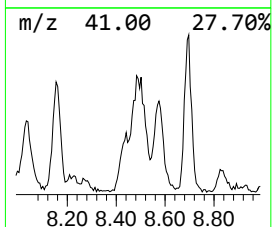
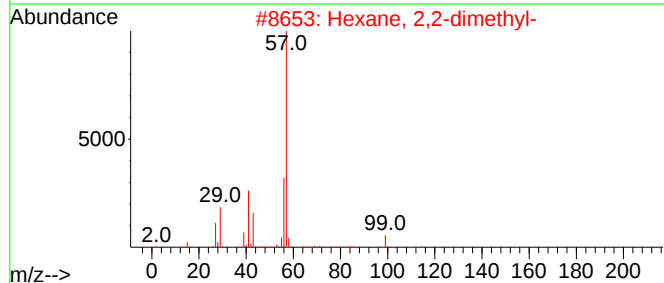
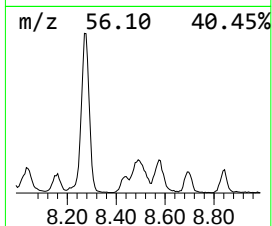
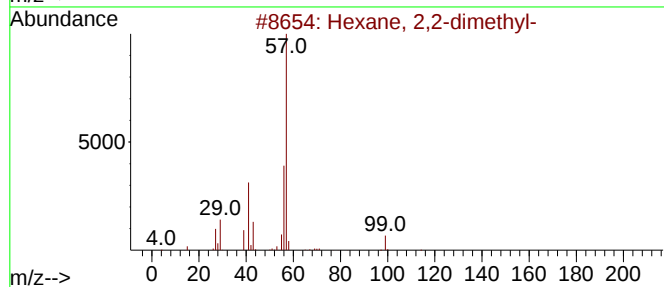
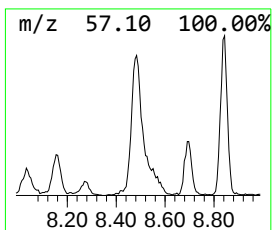
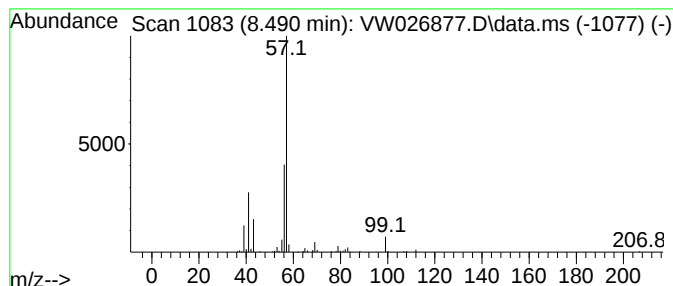
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.490	4.61 ug/L	213811	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		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	53
5		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

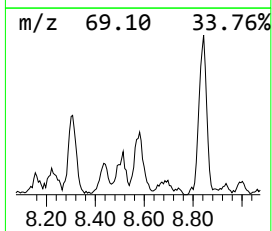
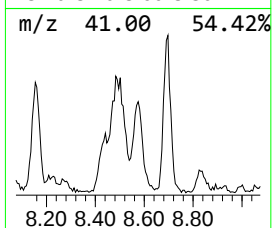
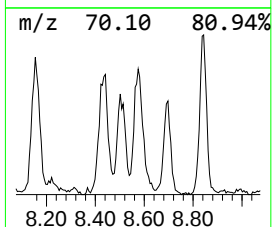
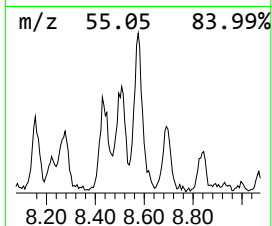
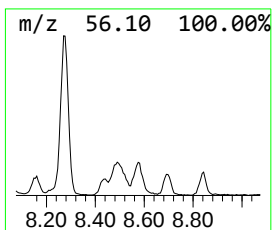
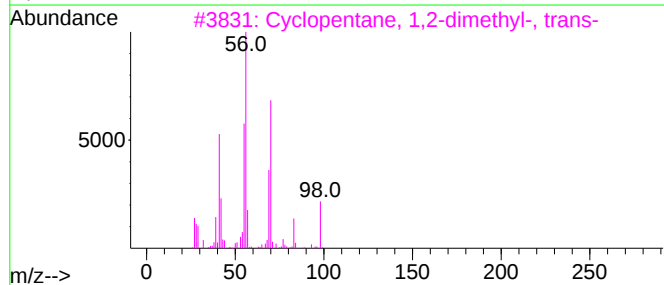
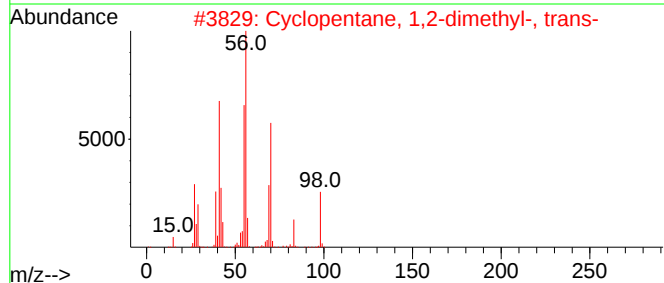
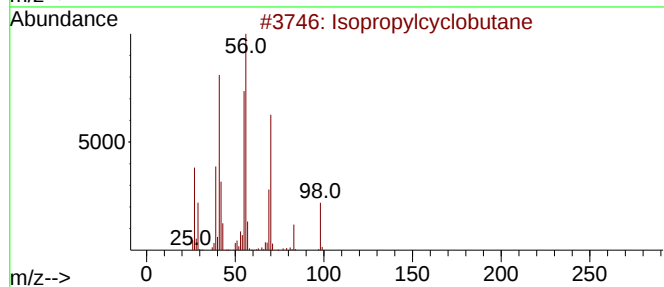
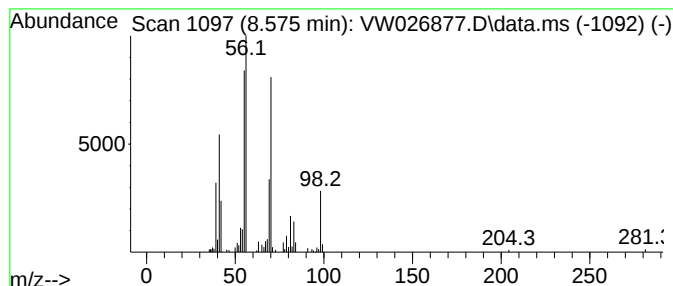
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.575 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	2.73 ug/L	126428	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Isopropylcyclobutane	98	C7H14	000872-56-0	91
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86
5		1-Heptene	98	C7H14	000592-76-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

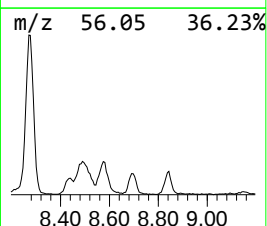
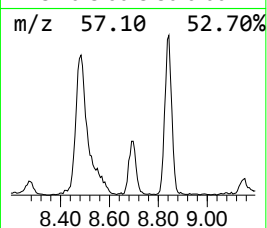
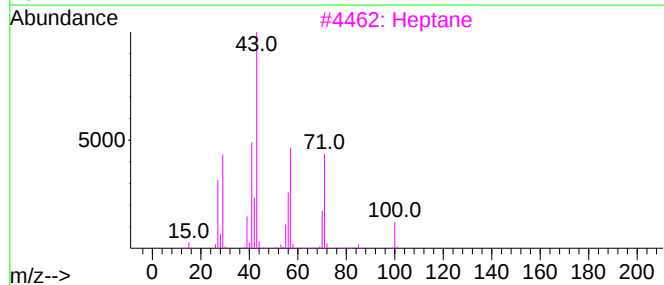
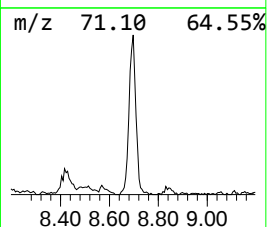
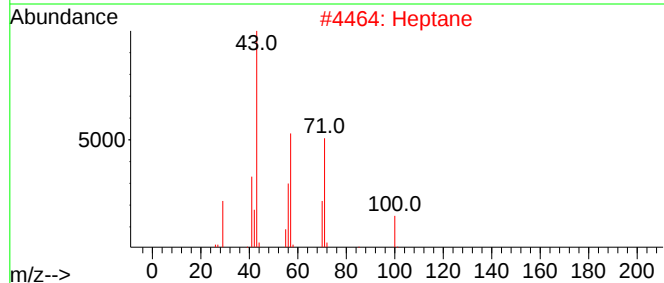
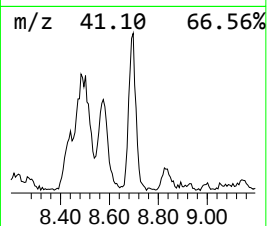
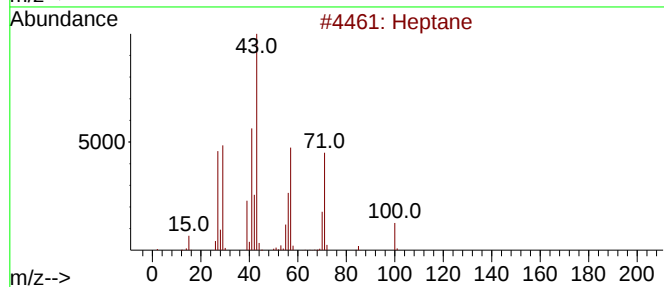
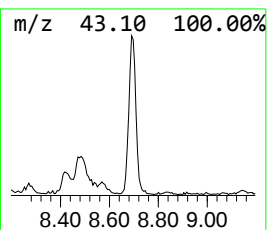
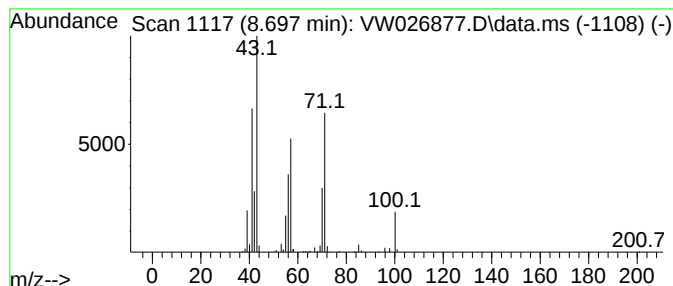
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.697	3.28 ug/L	151917	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	87
2	Heptane			100	C7H16	000142-82-5	83
3	Heptane			100	C7H16	000142-82-5	68
4	Heptane			100	C7H16	000142-82-5	68
5	Hexane, 3-methyl-			100	C7H16	000589-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

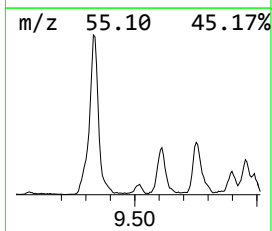
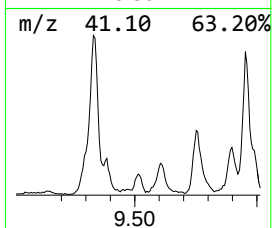
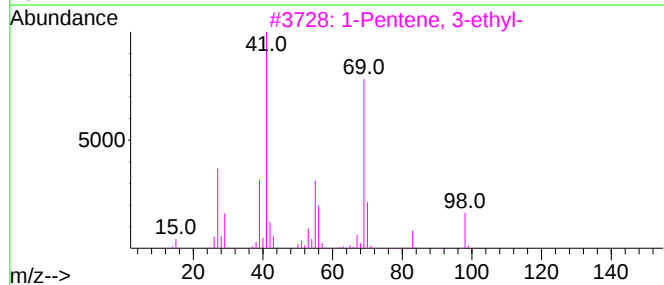
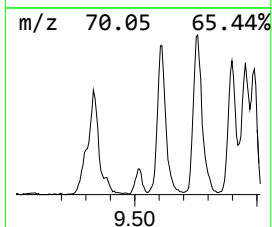
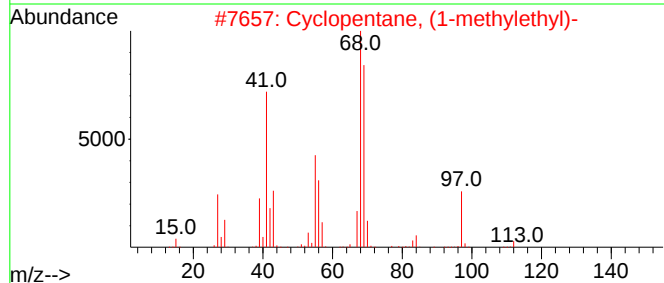
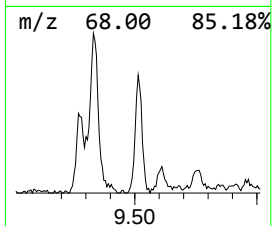
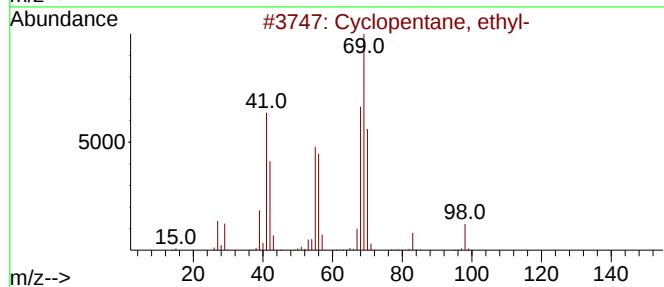
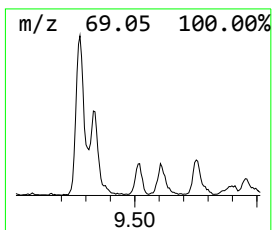
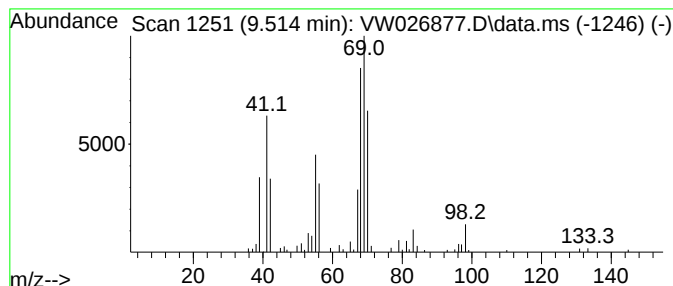
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic9.514 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.514	1.25 ug/L	58083	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2		Cyclopentane, (1-methylethyl)-	112	C8H16	003875-51-2	59
3		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
4		4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	38
5		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

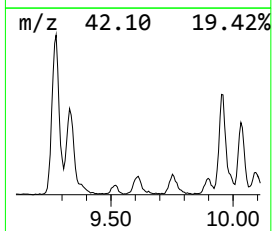
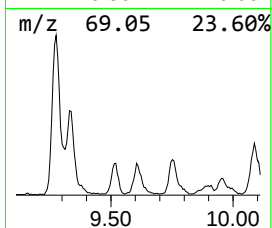
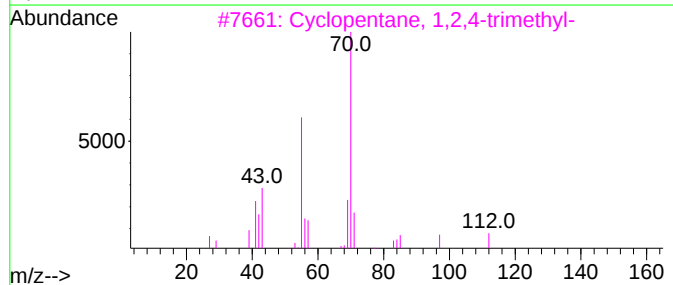
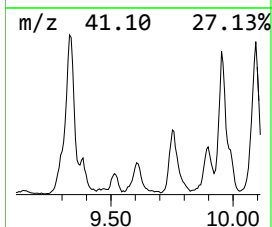
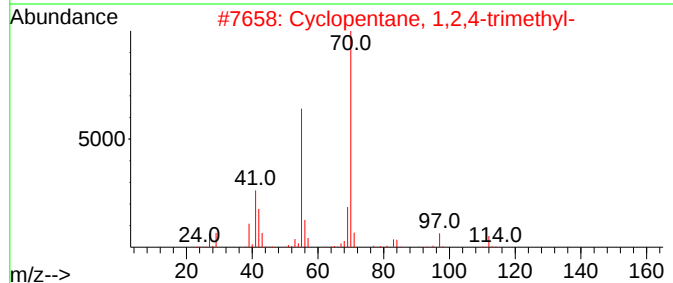
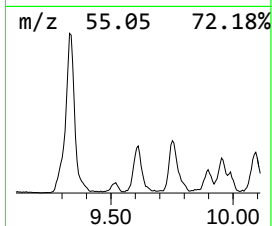
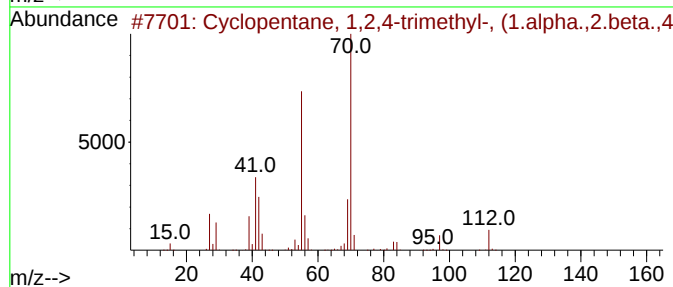
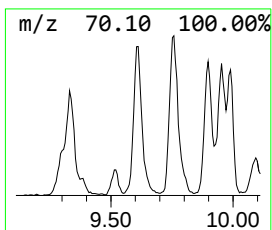
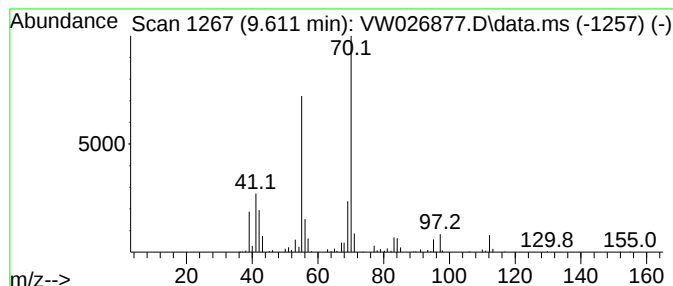
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic9.611 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.611	4.12 ug/L	191221	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

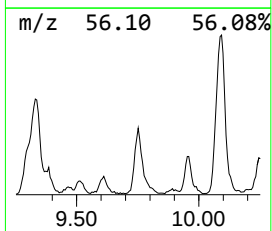
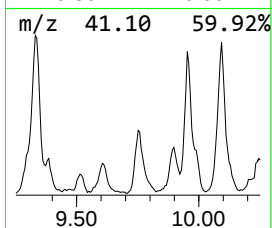
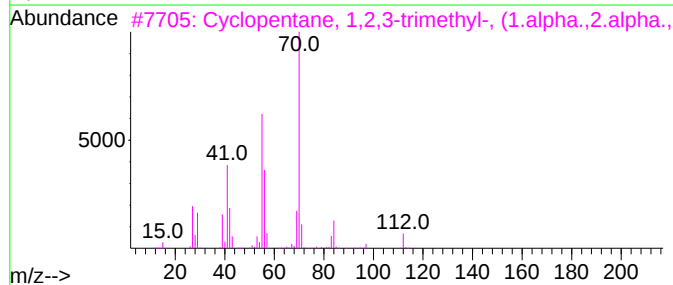
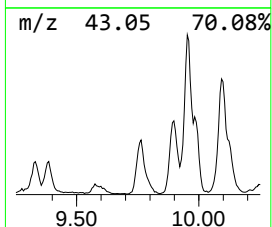
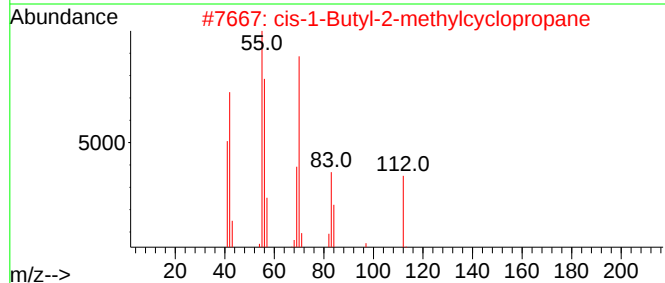
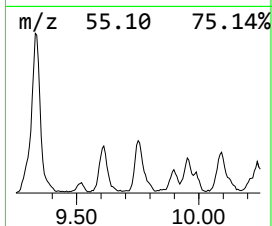
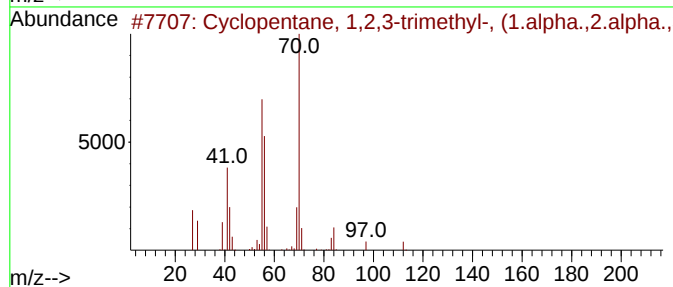
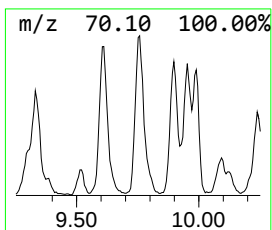
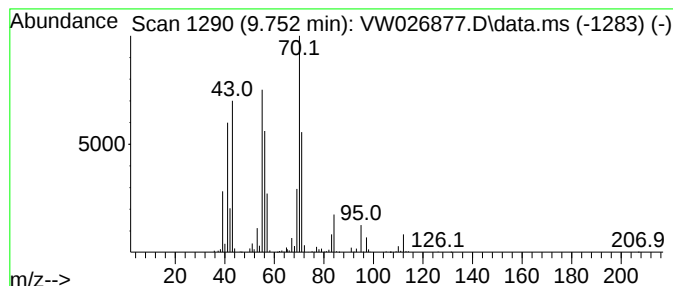
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic9.752 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	7.09 ug/L	328662	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
2			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	59
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58
4			1-Octene	112	C8H16	000111-66-0	58
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

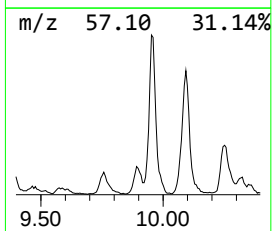
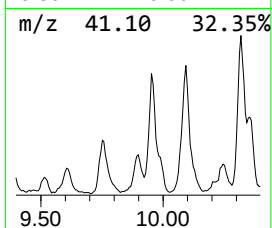
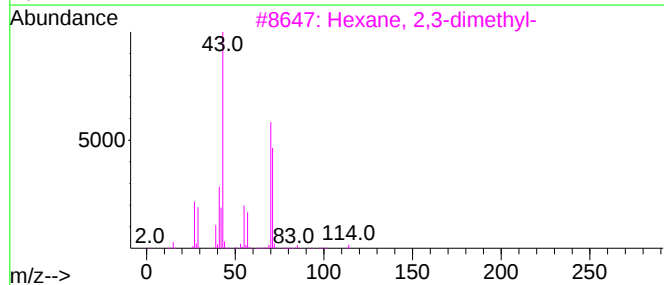
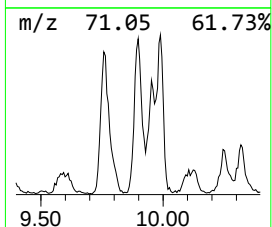
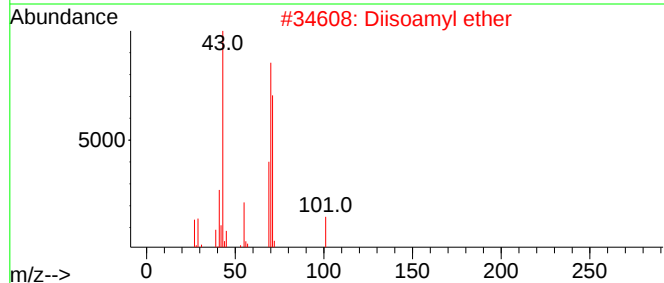
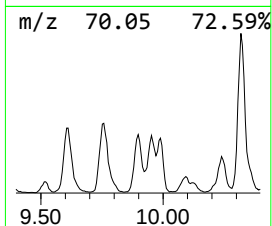
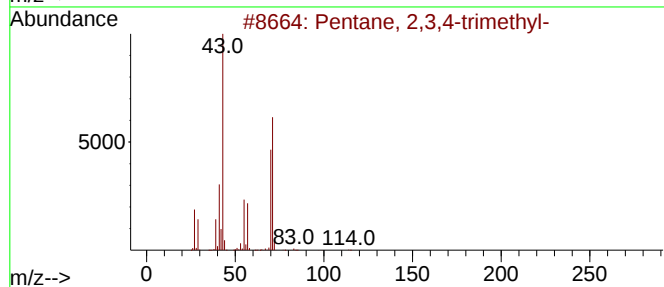
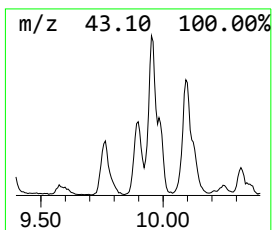
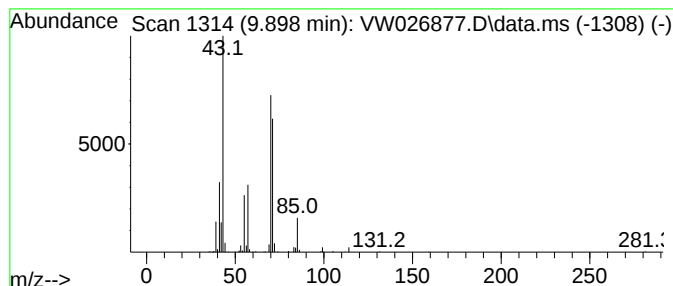
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.898	3.58 ug/L	166222	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	72
2	Diisoamyl ether	158	C10H22O	000544-01-4	72
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
4	Diisoamyl ether	158	C10H22O	000544-01-4	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

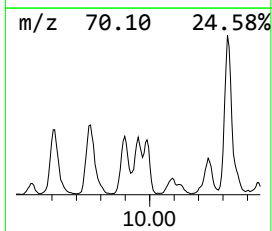
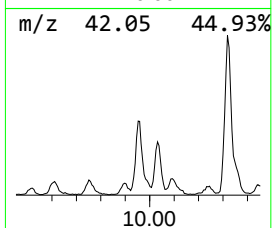
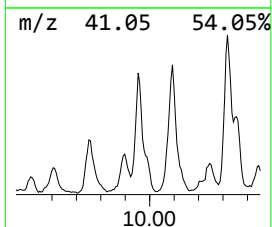
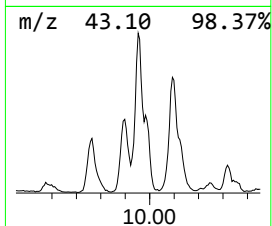
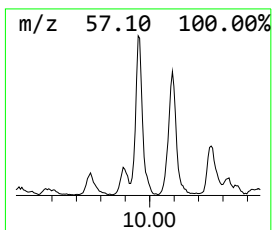
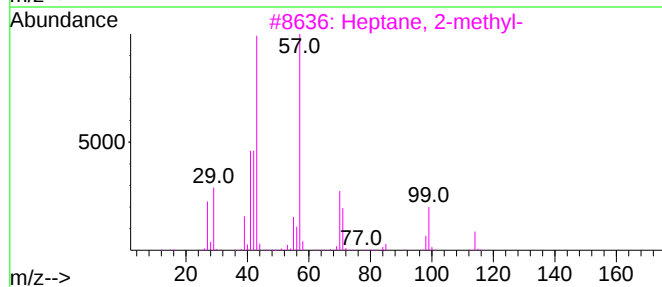
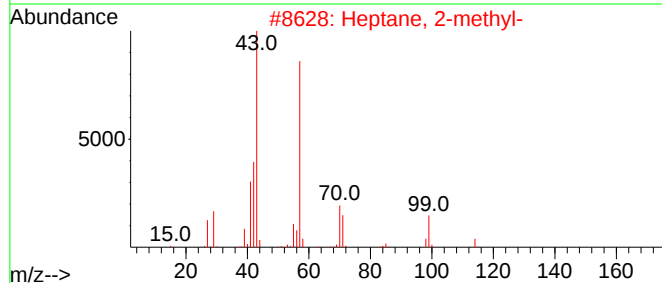
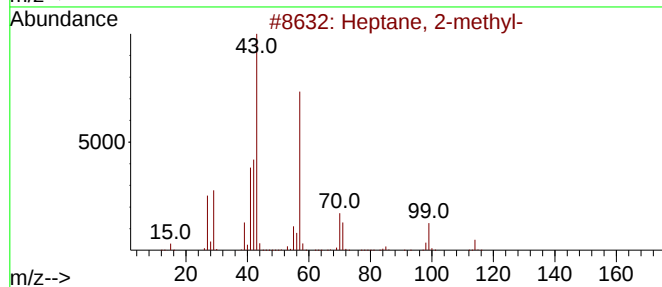
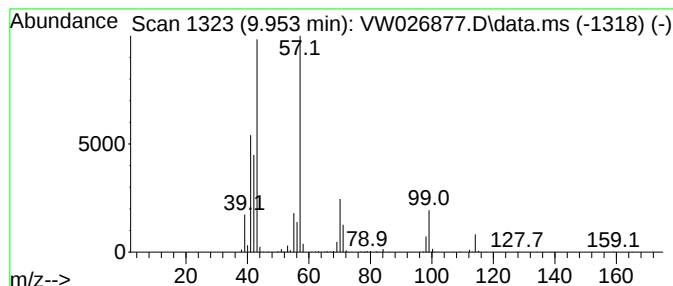
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	7.29 ug/L	338174	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	68
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	58
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

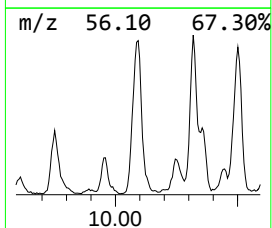
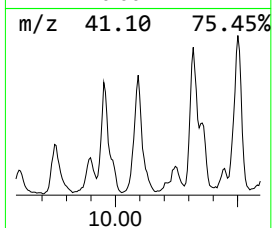
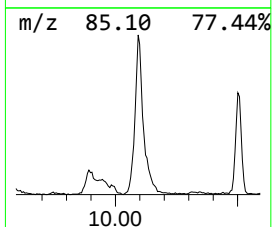
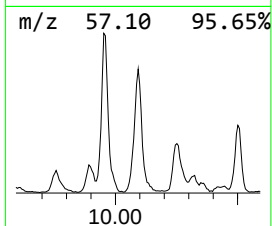
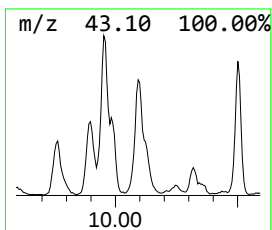
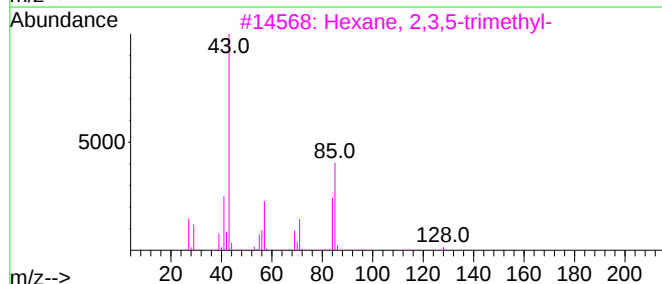
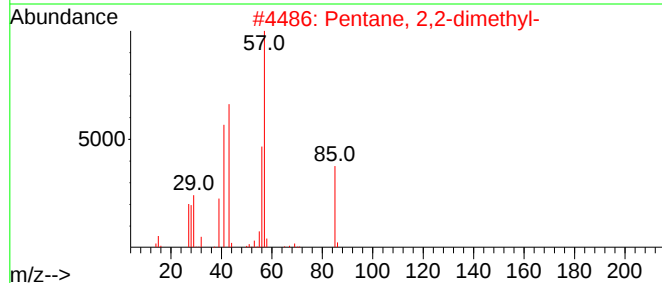
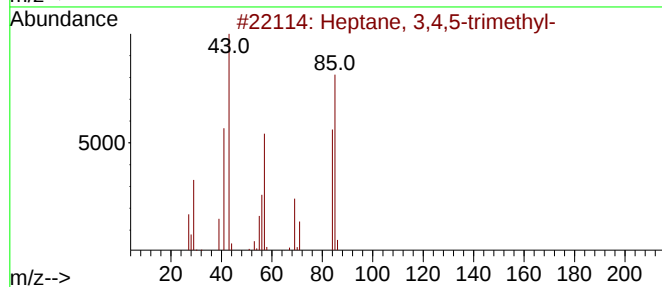
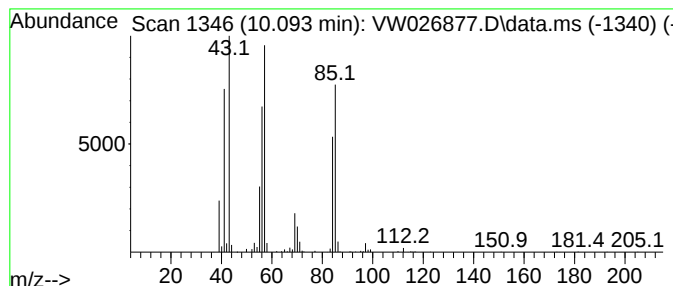
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

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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 47

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.093	12.51 ug/L	580102	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	64
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

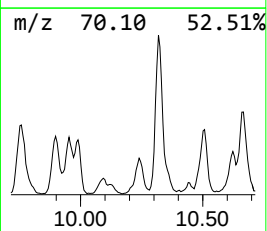
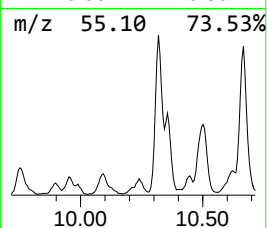
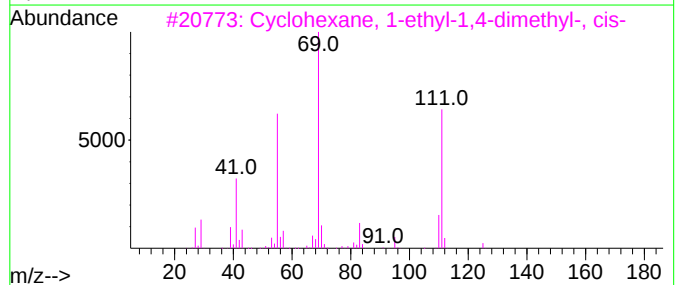
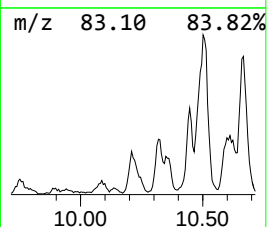
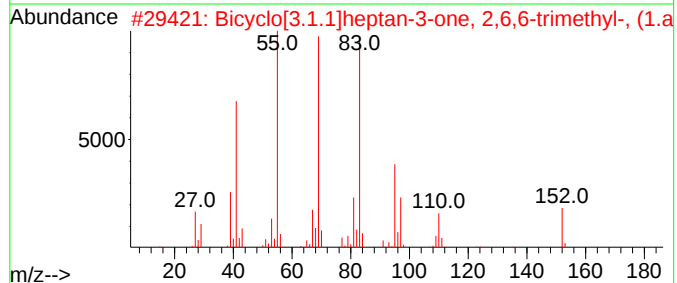
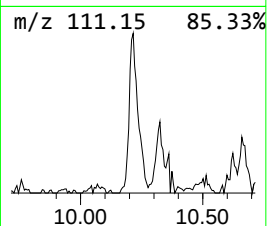
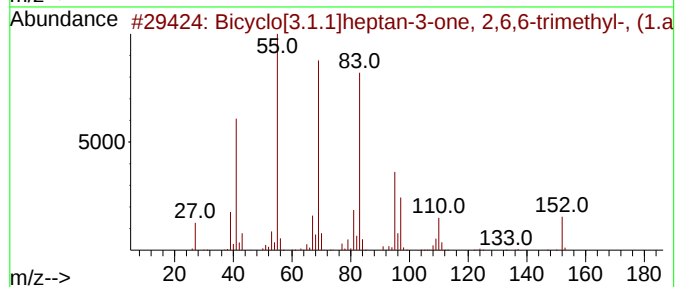
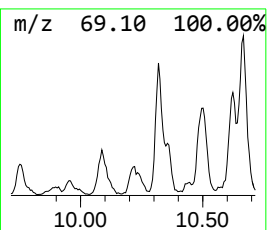
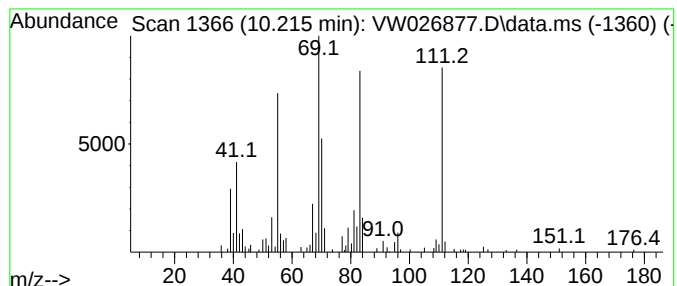
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Quant Title : SFAM01.0

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

Peak Number 17 unknown-01 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.215	1.30 ug/L	60254	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	47
2			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	47
3			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	47
4			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	43
5			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

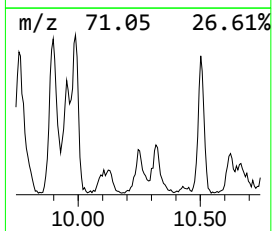
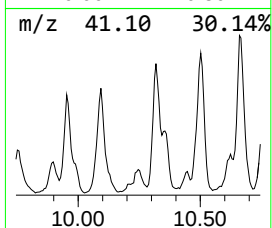
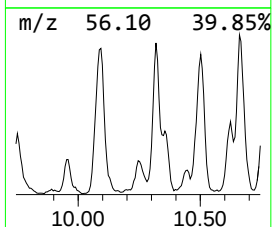
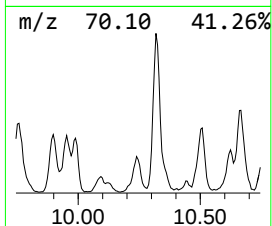
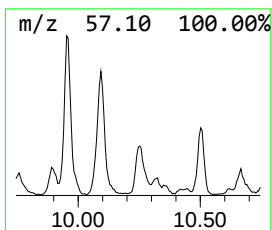
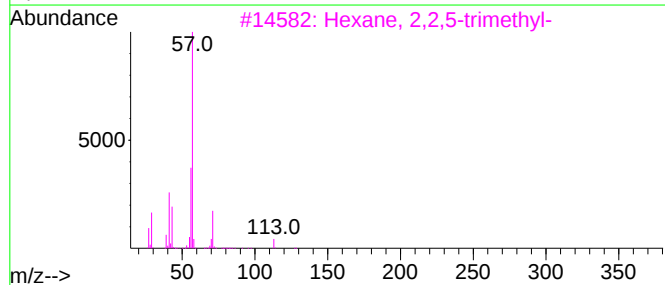
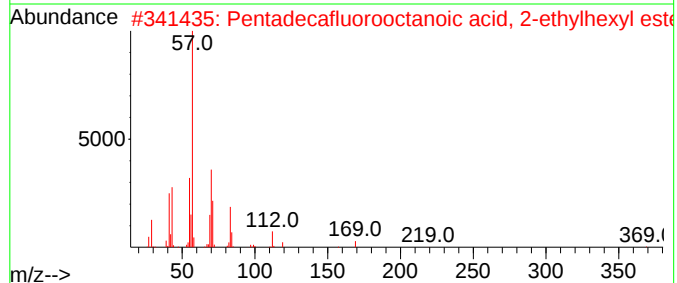
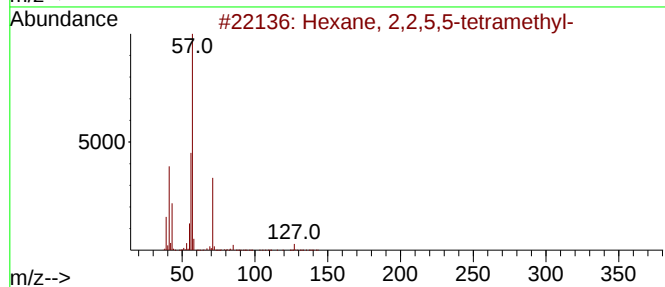
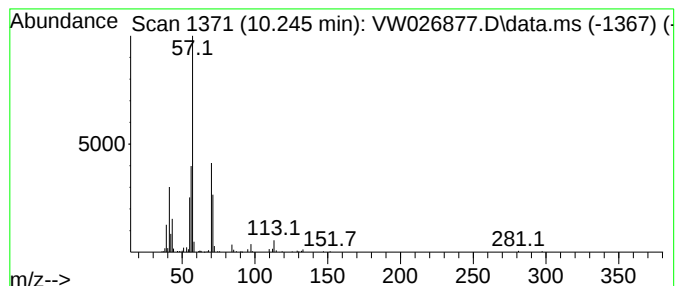
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.245	2.29 ug/L	97220	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43
2			Pentadecafluorooctanoic acid, 2-...	526	C16H17F15O2	1000406-80-9	38
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	37
4			Acetic acid, trichloro-, heptyl ...	260	C9H15Cl3O2	065611-31-6	36
5			Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000383-13-3	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

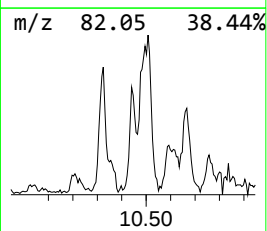
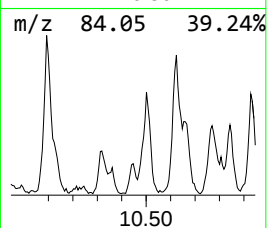
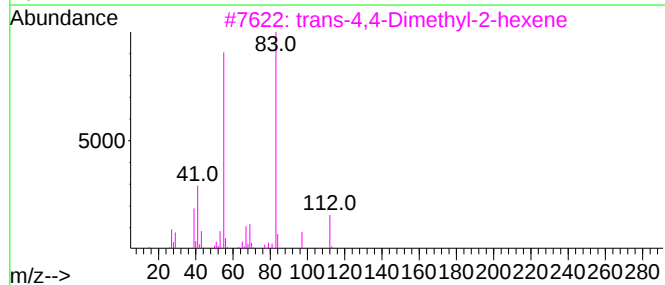
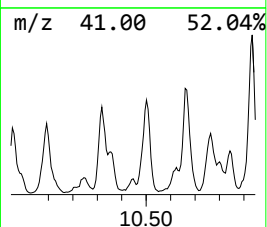
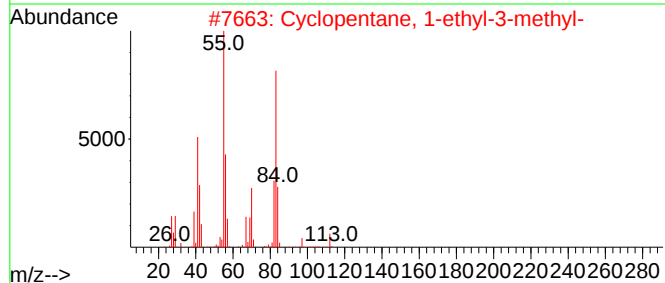
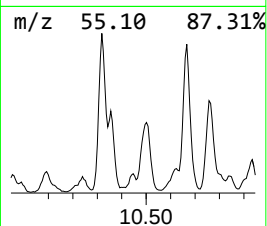
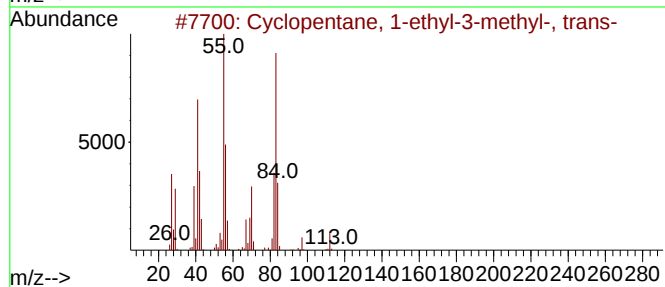
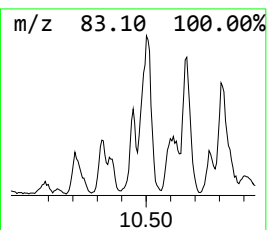
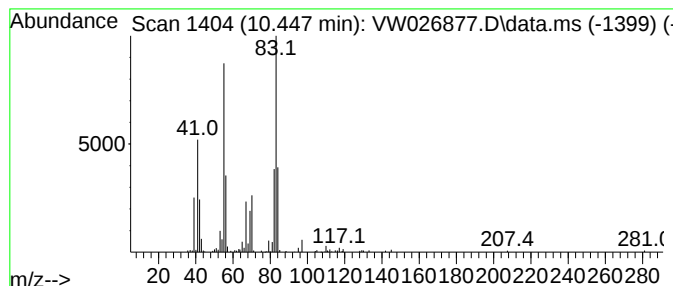
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.447 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.447	1.77 ug/L	75015	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	78
2			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	59
3			trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	38
4			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	38
5			Phosphonous dibromide, cyclohexyl-	272	C6H11Br2P	086012-32-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

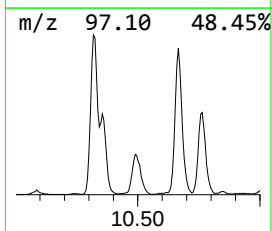
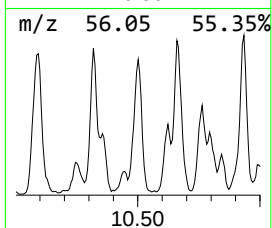
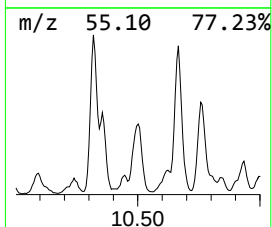
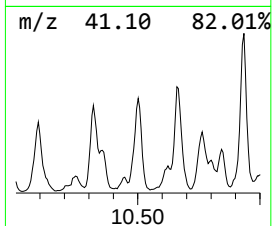
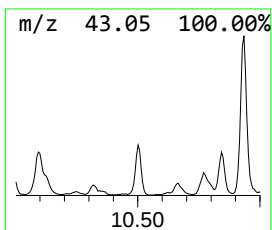
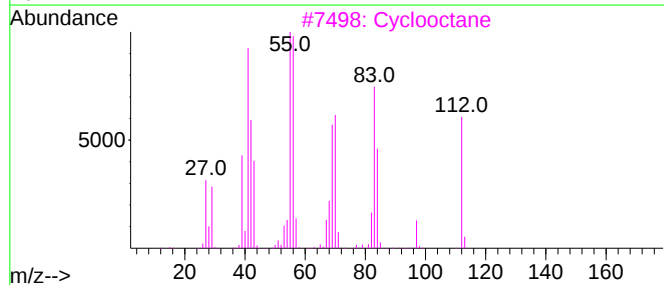
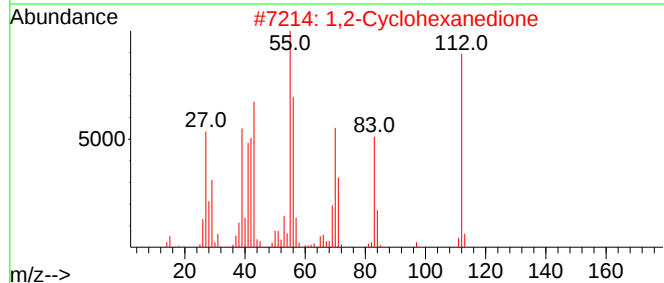
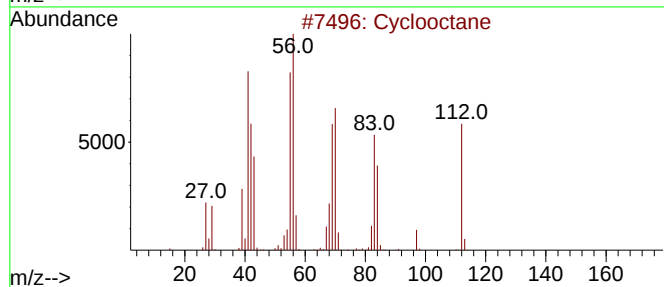
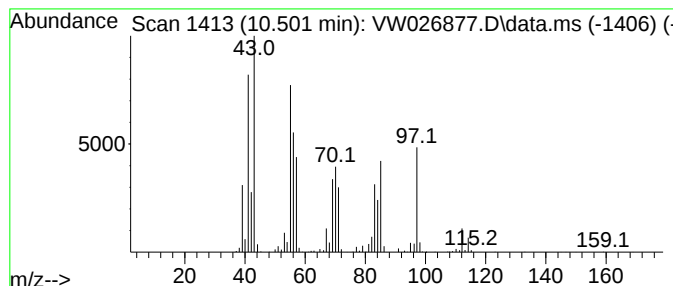
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MSVOA_W
ClientSampleId :
EZYJ2

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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic10.501 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	19.15 ug/L	812699	Chlorobenzene-d5	11.629
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclooctane	112 C8H16	000292-64-8 55
2		1,2-Cyclohexanedione	112 C6H8O2	000765-87-7 53
3		Cyclooctane	112 C8H16	000292-64-8 49
4		Cyclohexane, 1,2-dimethyl-, cis-	112 C8H16	002207-01-4 49
5		Cyclopropane, pentyl-	112 C8H16	002511-91-3 46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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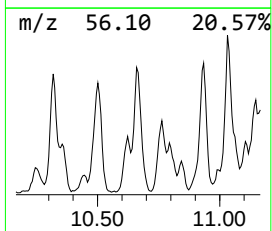
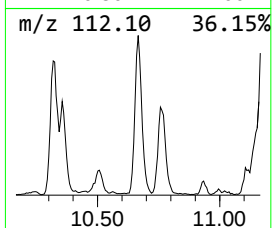
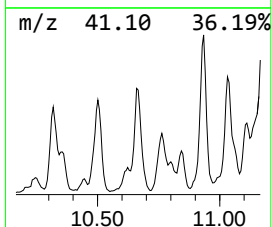
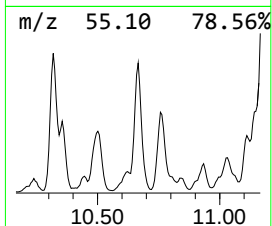
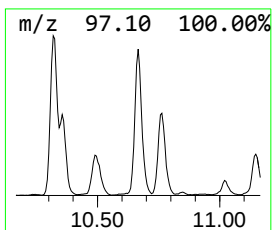
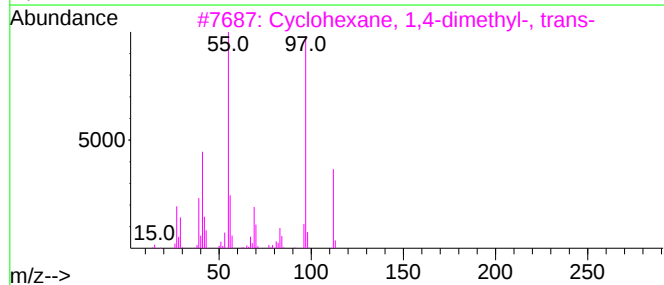
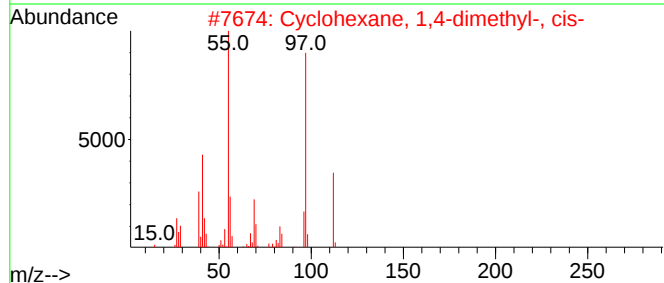
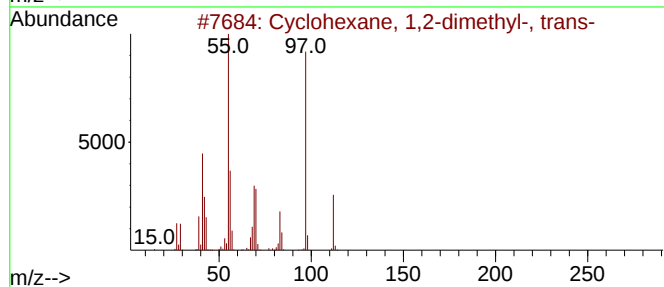
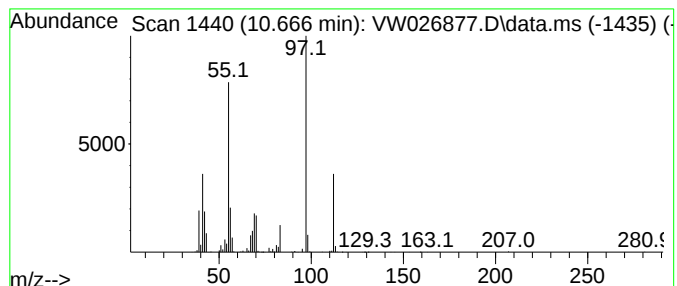
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic10.666 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	23.21 ug/L	985095	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

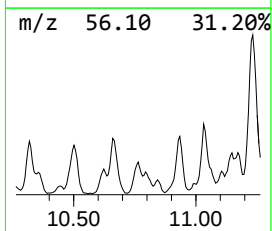
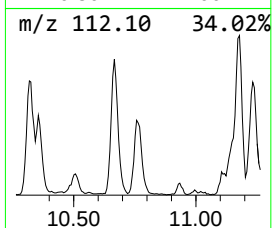
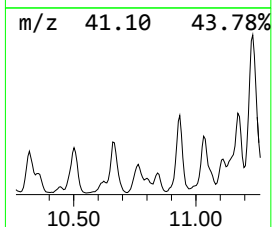
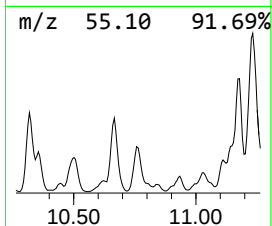
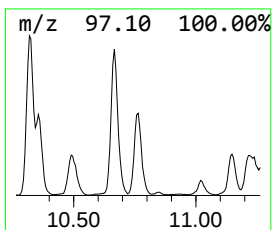
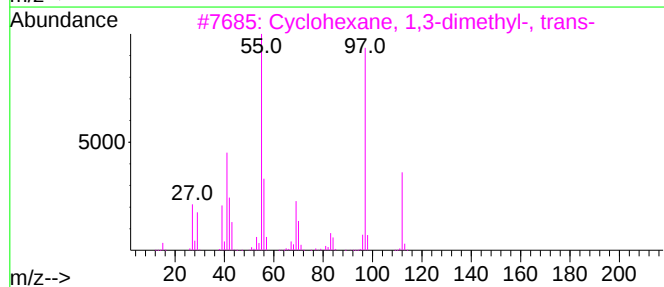
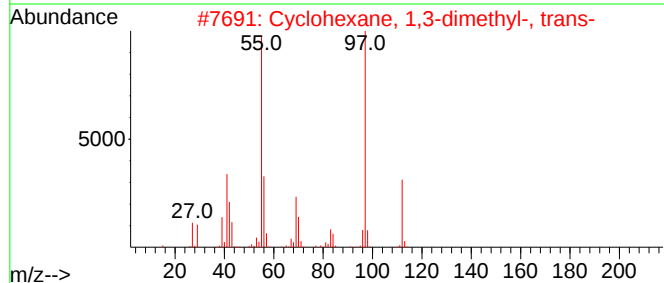
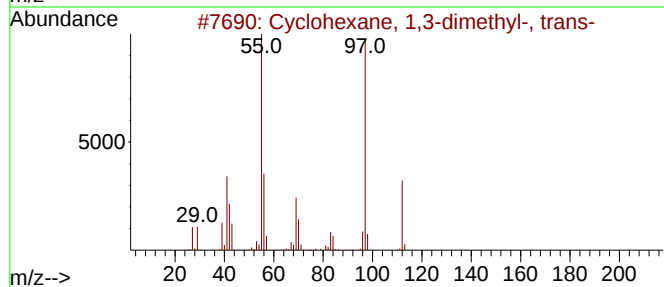
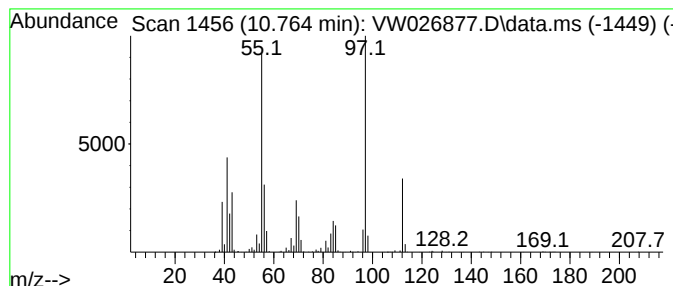
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic10.764 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.764	19.50 ug/L	827717	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

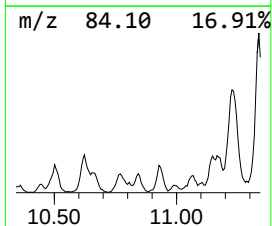
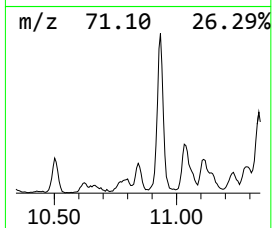
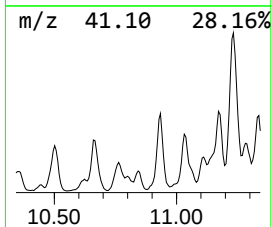
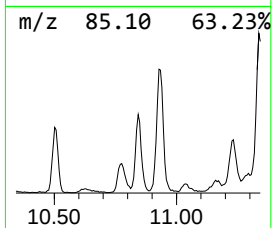
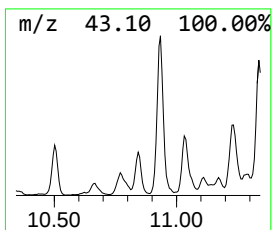
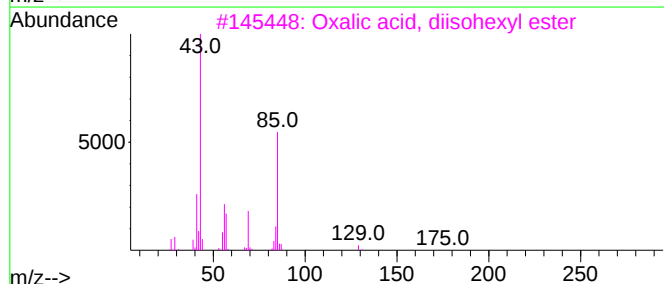
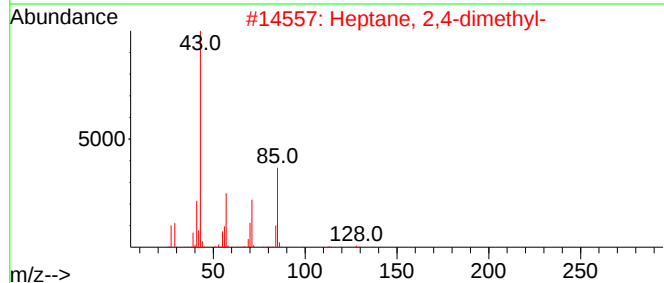
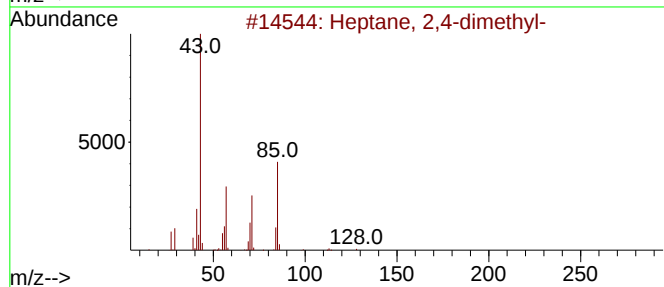
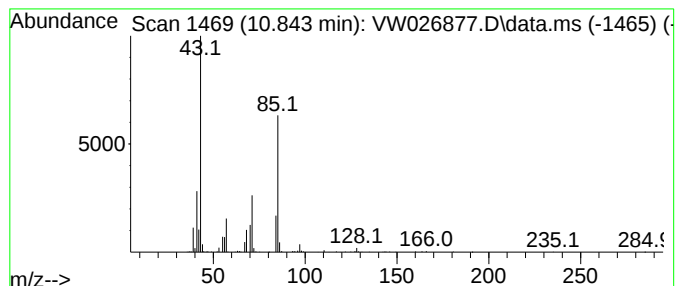
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.843	6.91 ug/L	293212	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	64
2	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	58
3	Oxalic acid, diisohexyl ester		258	C14H26O4	1010309-32-9	53
4	Pentanoic acid, 2,2-dimethyl-, e...		156	C9H16O2	044970-05-0	53
5	2,2-Dimethylvaleroyl chloride		148	C7H13ClO	015721-22-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

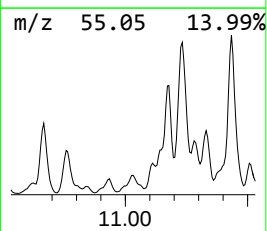
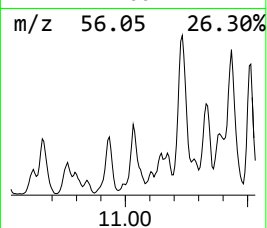
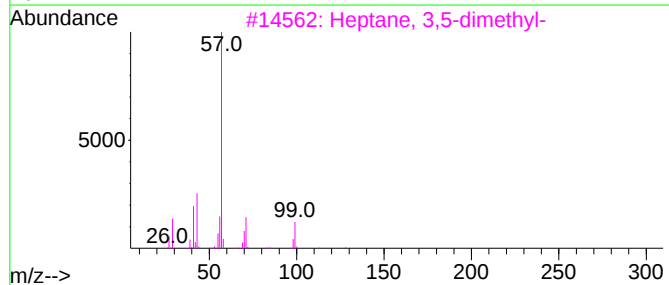
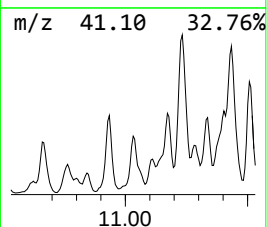
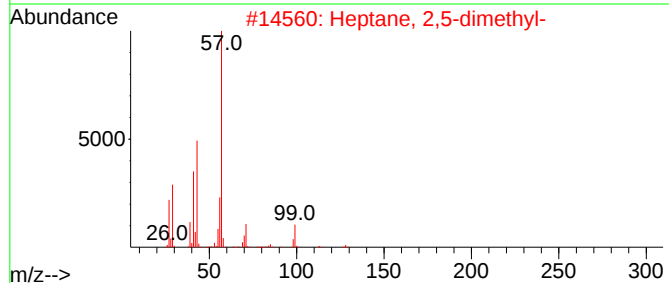
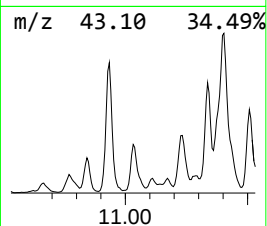
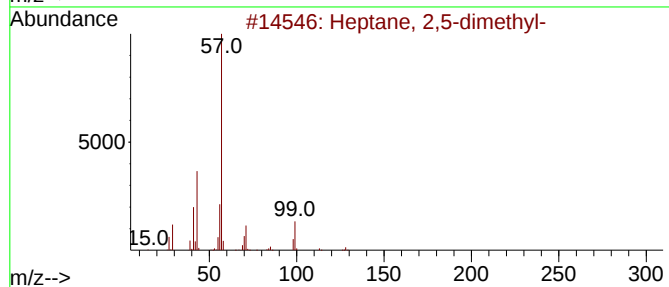
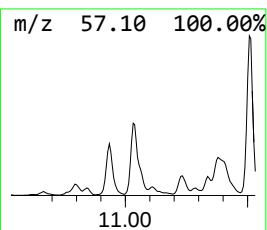
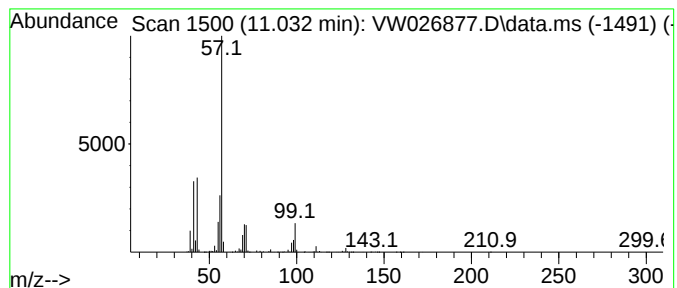
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	22.65 ug/L	961562	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
3		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

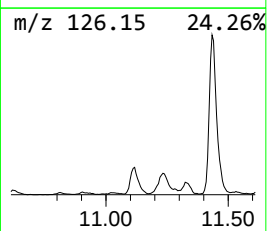
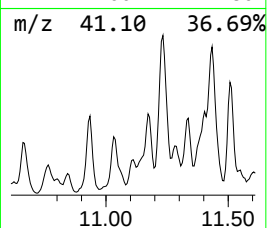
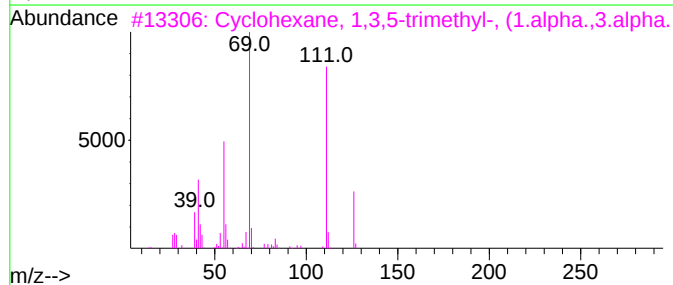
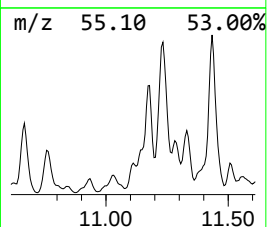
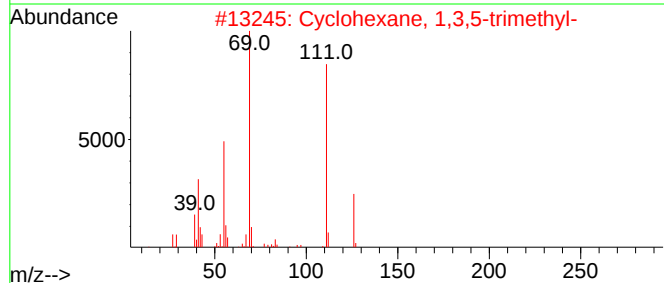
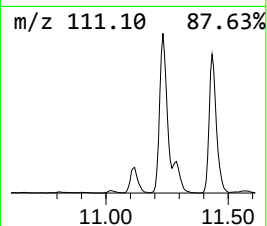
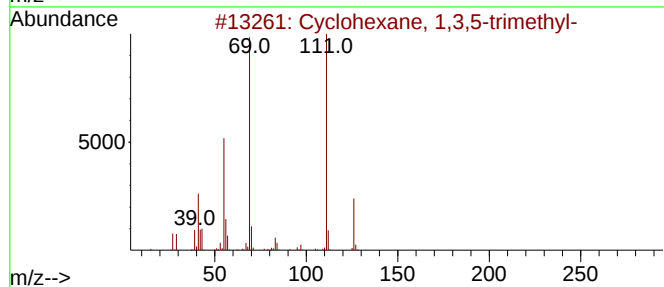
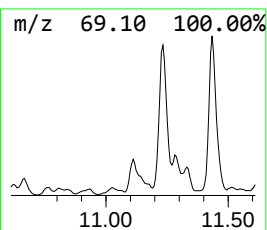
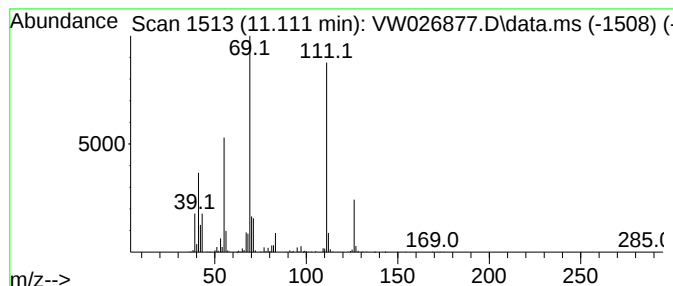
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.111 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.111	12.60 ug/L	534790	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

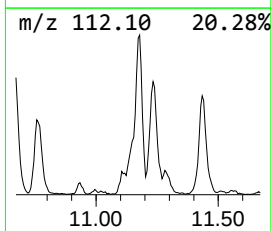
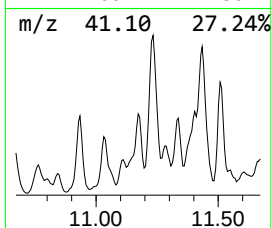
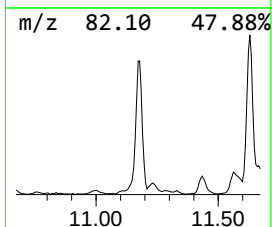
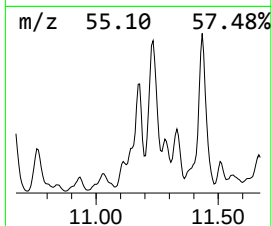
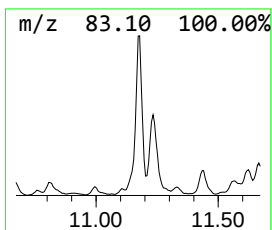
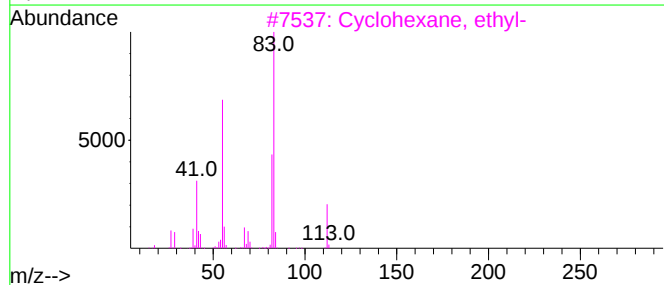
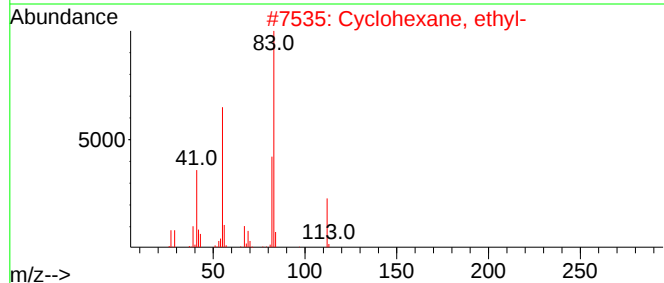
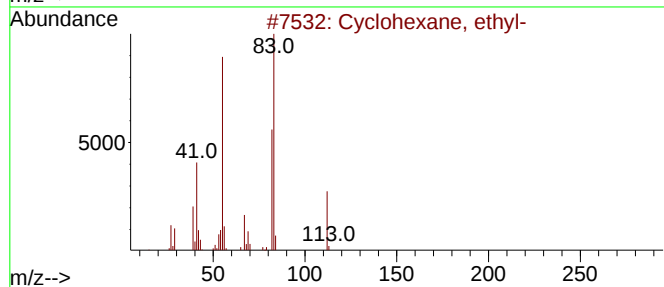
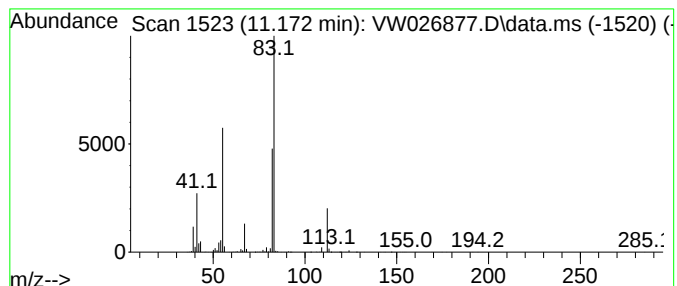
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.172 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.172	21.65 ug/L	919013	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

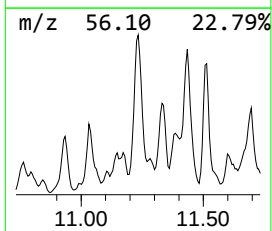
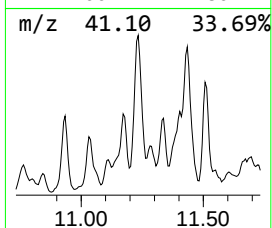
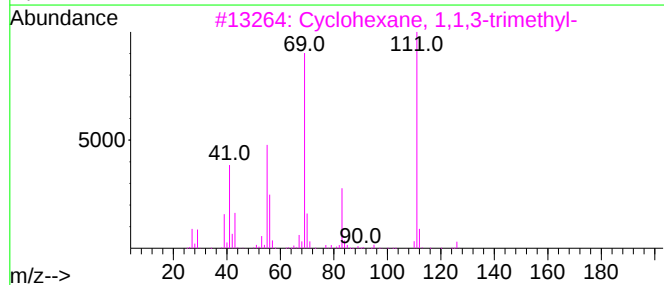
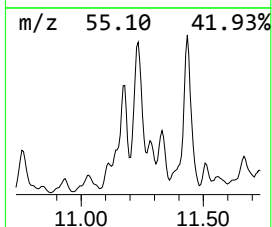
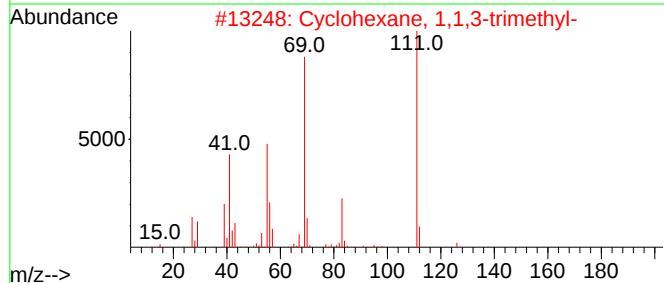
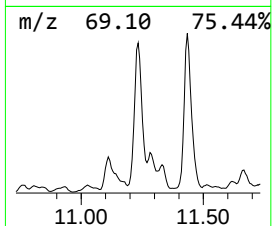
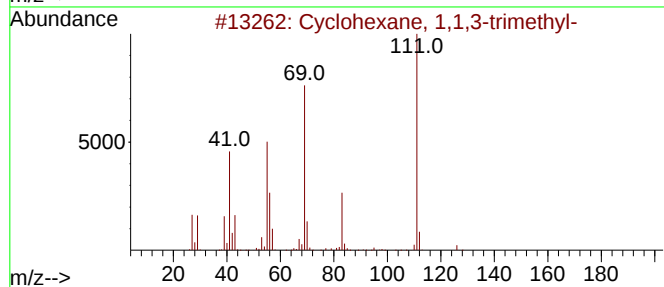
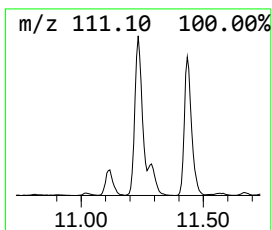
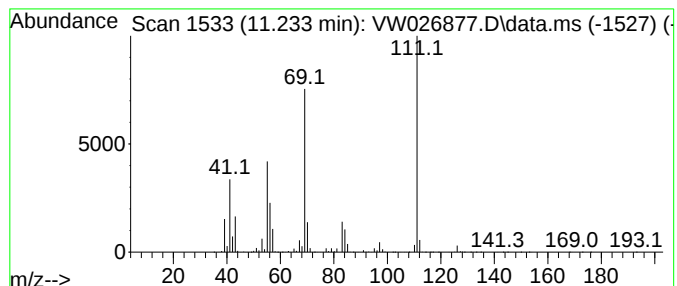
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic11.233 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.233	75.45 ug/L	3202900	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	59
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

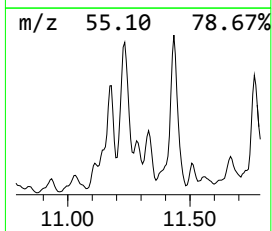
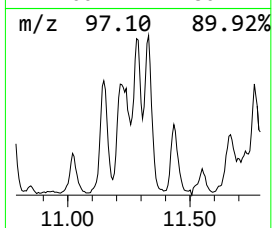
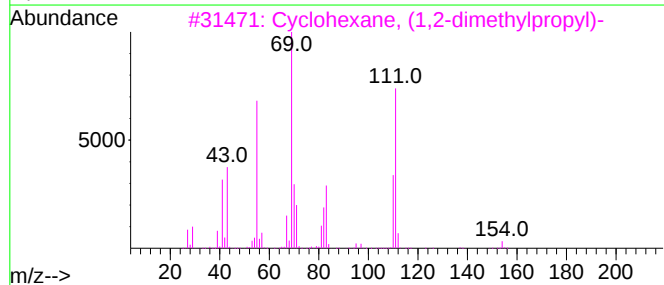
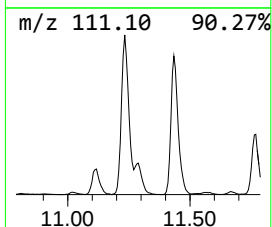
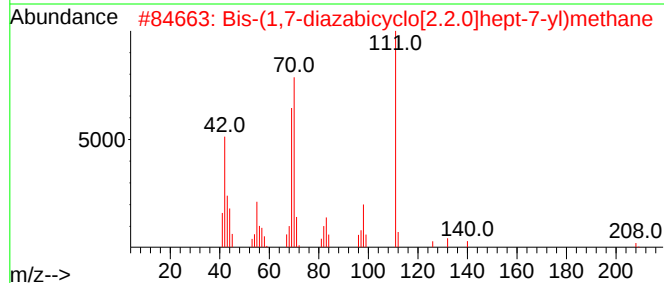
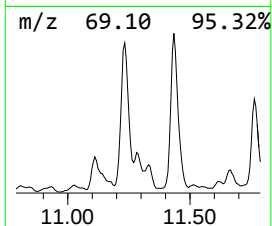
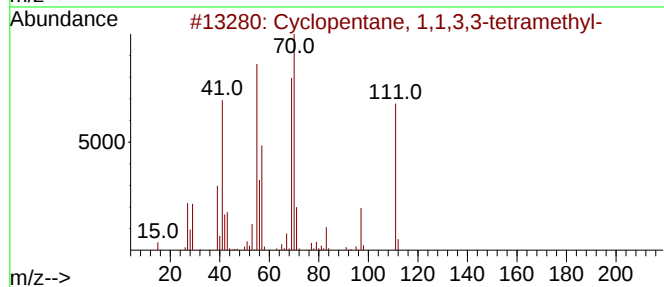
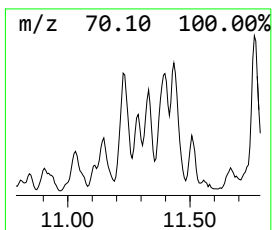
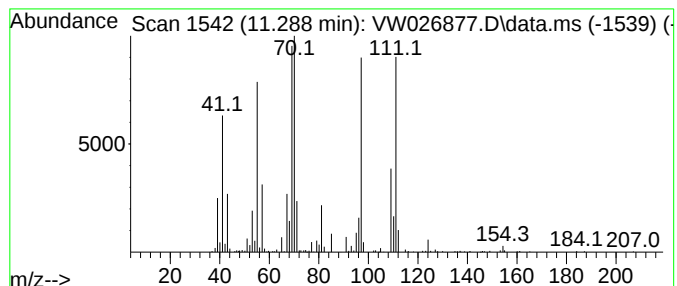
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.288 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.288	13.05 ug/L	553894	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	50
2		Bis-(1,7-diazabicyclo[2.2.0]hept...	208	C11H20N4	1010284-25-2	40
3		Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	38
4		Silane, dimethyldi-2-propynyl-	136	C8H12Si	006262-81-3	35
5		1,1'-Bicyclooctyl	222	C16H30	006708-17-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

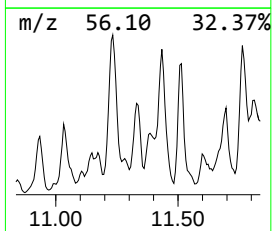
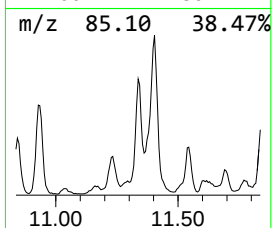
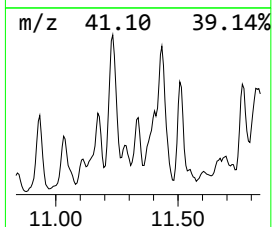
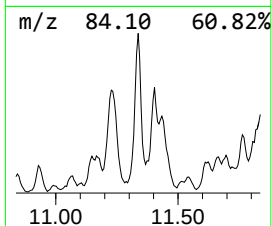
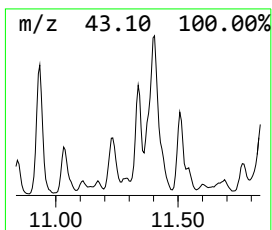
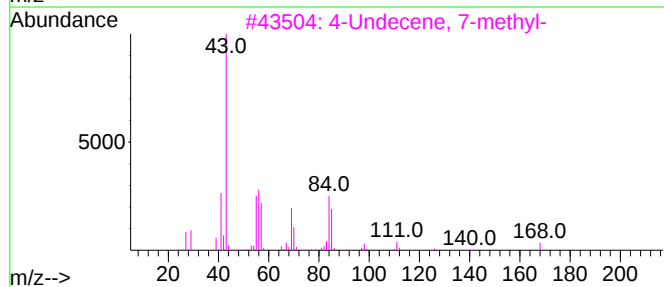
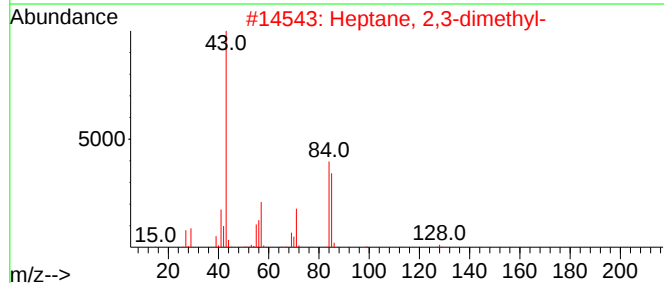
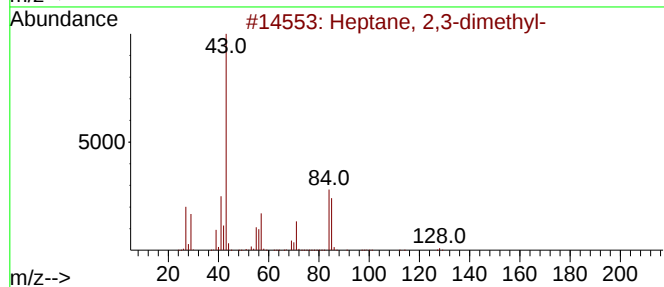
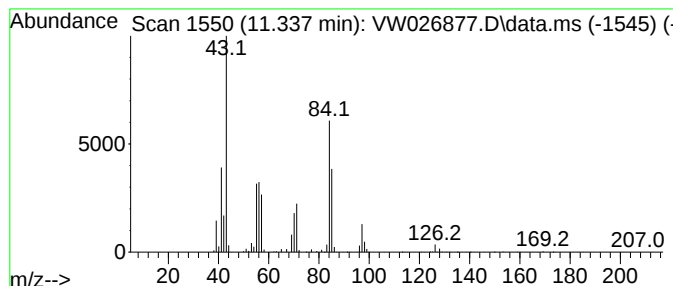
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	23.79 ug/L	1009770	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	58
2	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	58
3	4-Undecene, 7-methyl-		168	C12H24	076441-79-7	50
4	Nonane		128	C9H20	000111-84-2	50
5	Hexane, 3-ethyl-		114	C8H18	000619-99-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

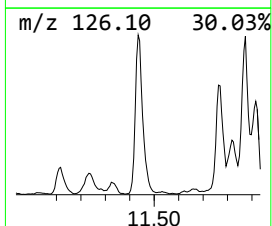
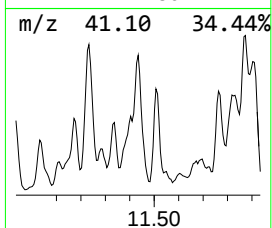
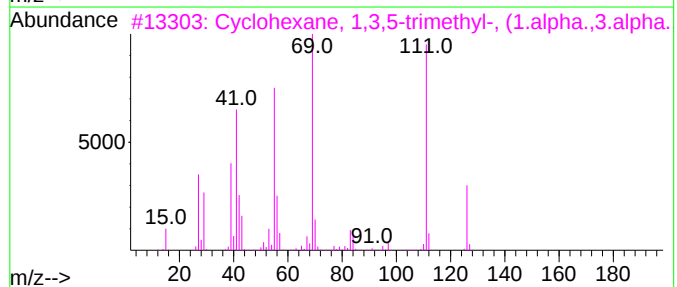
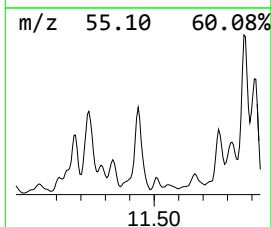
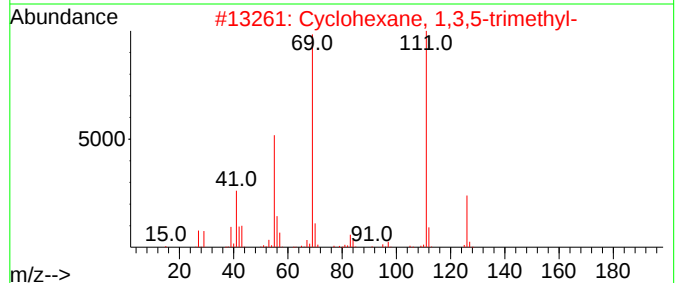
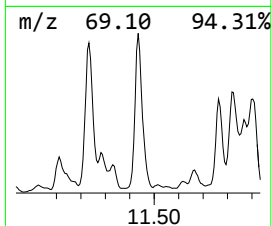
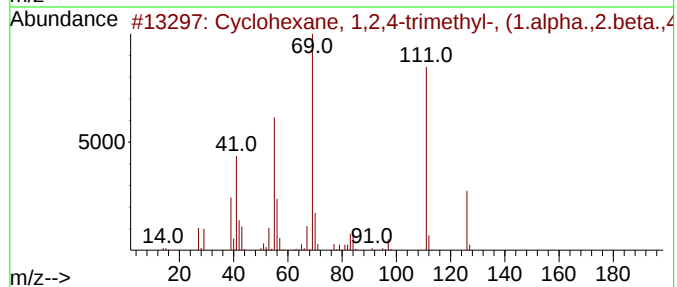
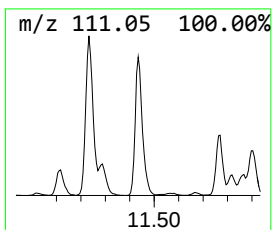
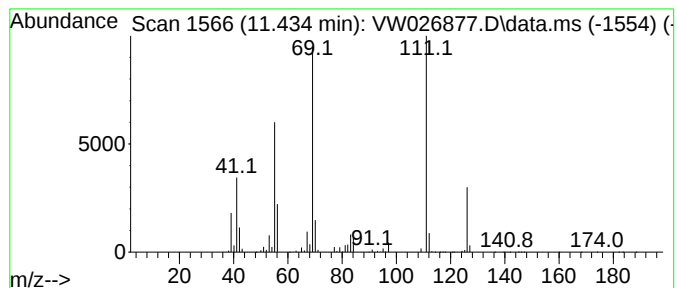
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic11.434 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.434	99.63 ug/L	4229210	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...		126	C9H18	007667-60-9	94
2	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	94
3	Cyclohexane, 1,3,5-trimethyl-, (...		126	C9H18	001795-26-2	93
4	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

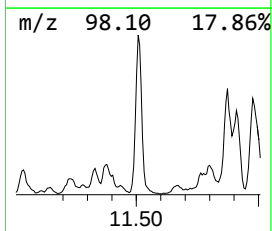
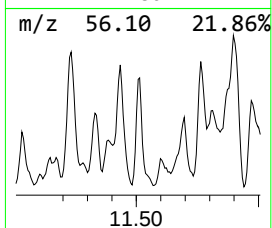
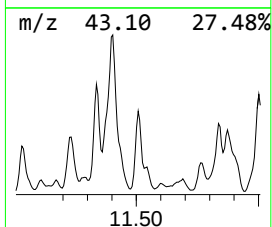
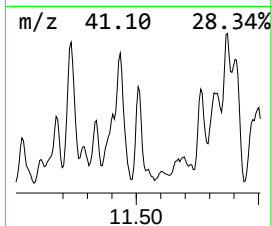
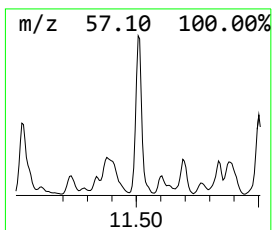
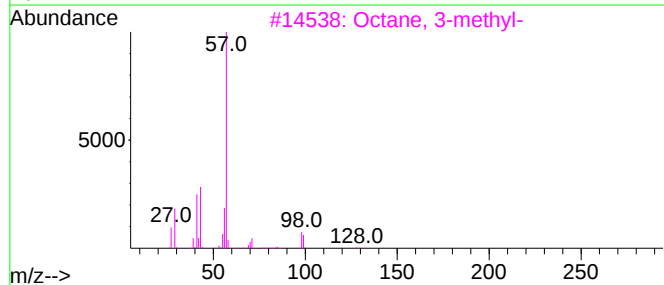
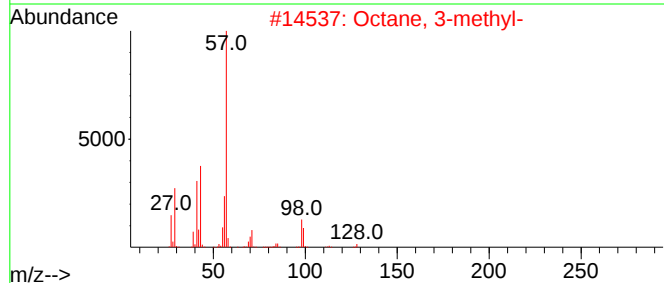
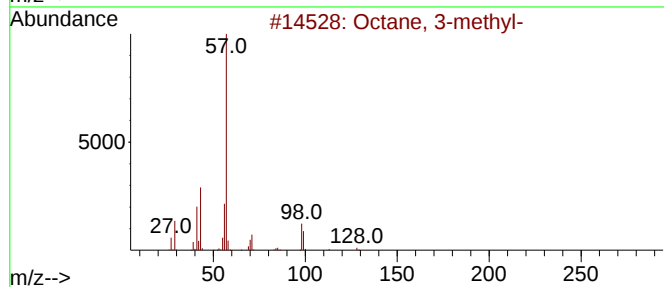
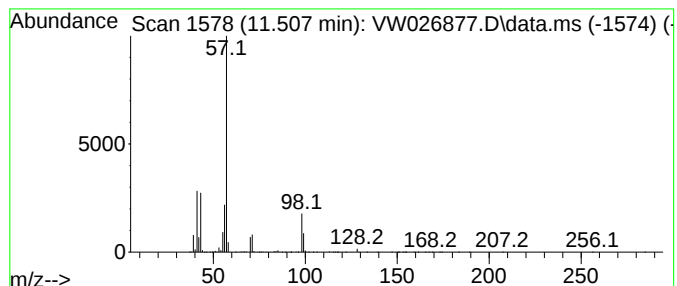
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	28.28 ug/L	1200610	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-			128	C9H20	002216-33-3	91
2	Octane, 3-methyl-			128	C9H20	002216-33-3	90
3	Octane, 3-methyl-			128	C9H20	002216-33-3	86
4	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	64
5	Oxalic acid, isobutyl heptyl ester			244	C13H24O4	1000309-37-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

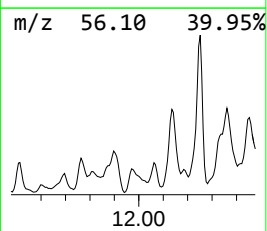
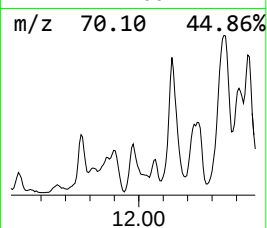
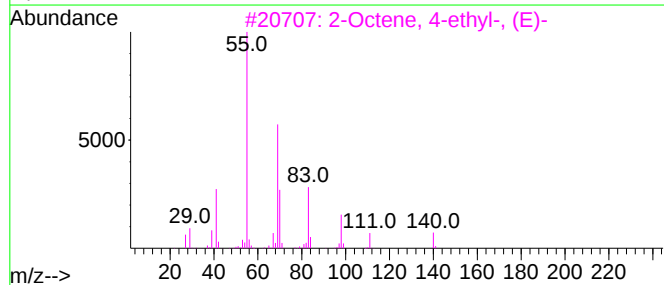
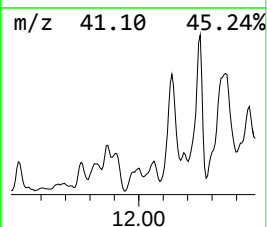
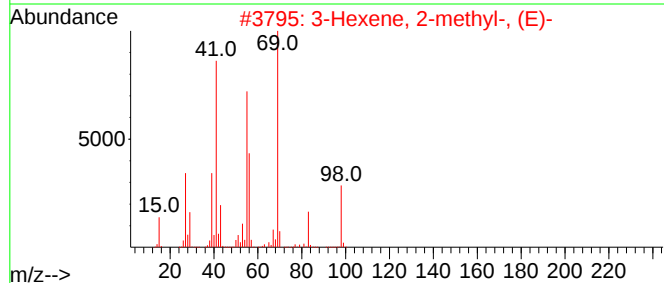
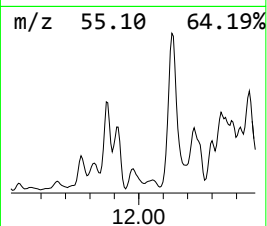
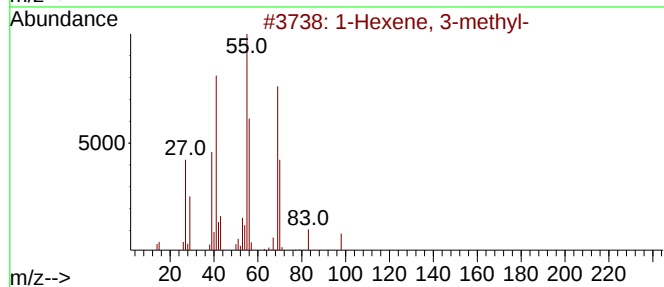
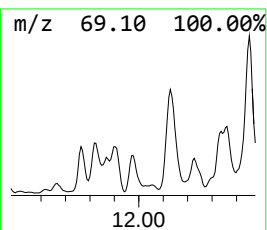
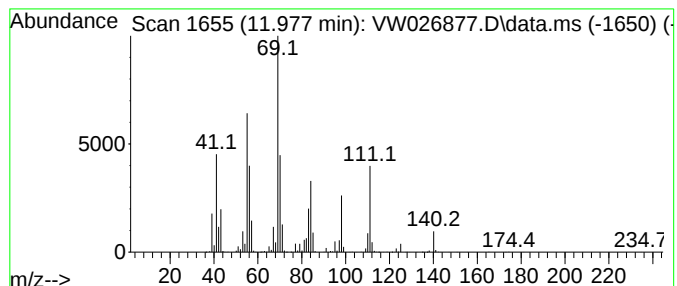
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.977	32.65 ug/L	1386000	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	62
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	55
3	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	49
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	46
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

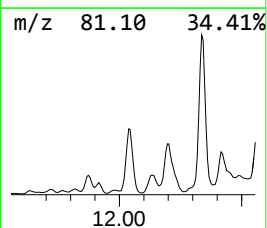
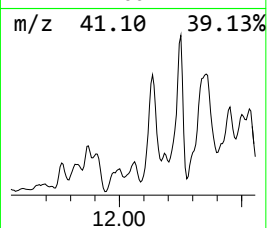
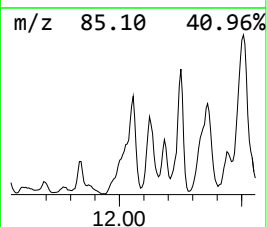
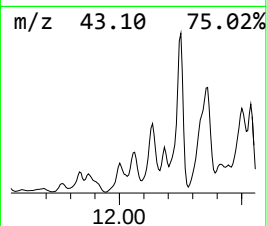
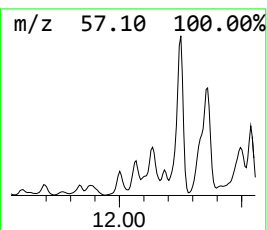
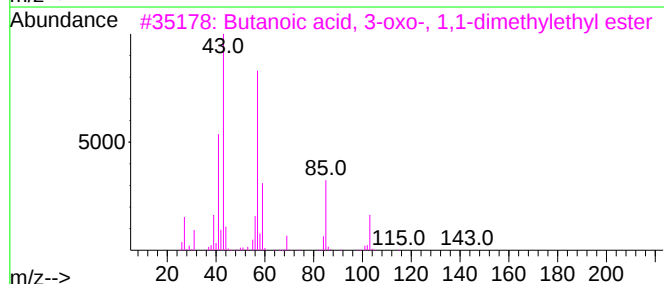
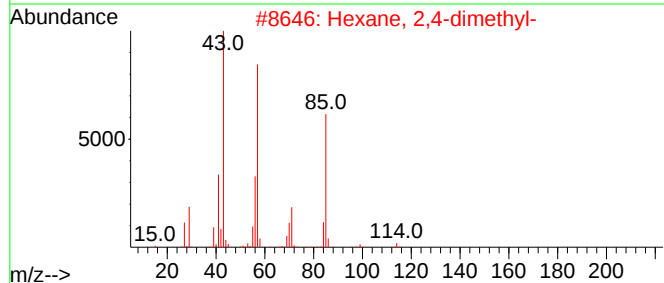
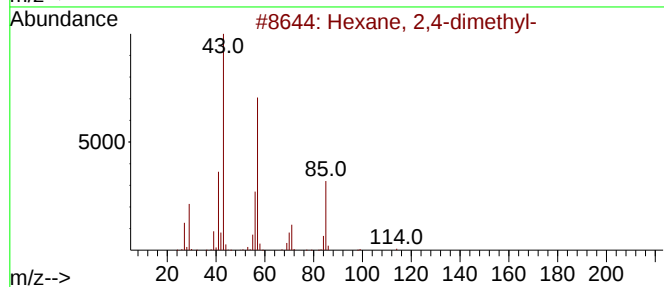
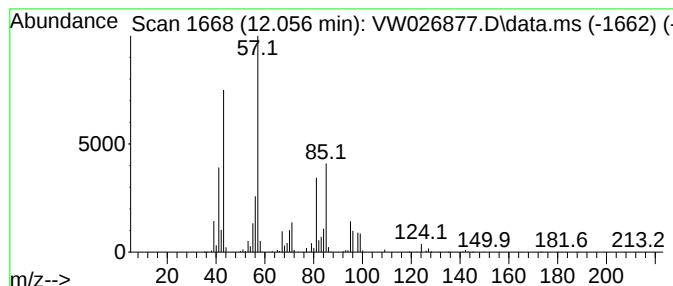
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.056	41.16 ug/L	1747330	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
3	Butanoic acid, 3-oxo-, 1,1-dimet...	158	C8H14O3	001694-31-1	50
4	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	43
5	Oxalic acid, ethyl isohexyl ester	202	C10H18O4	1000309-32-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

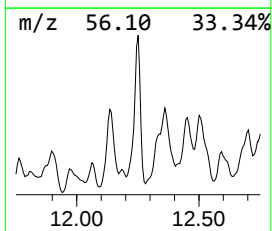
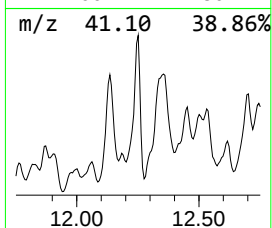
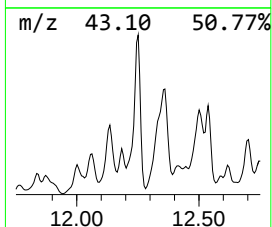
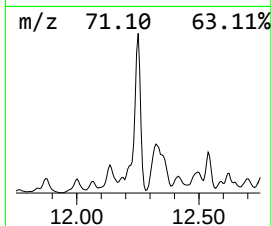
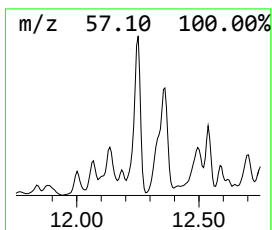
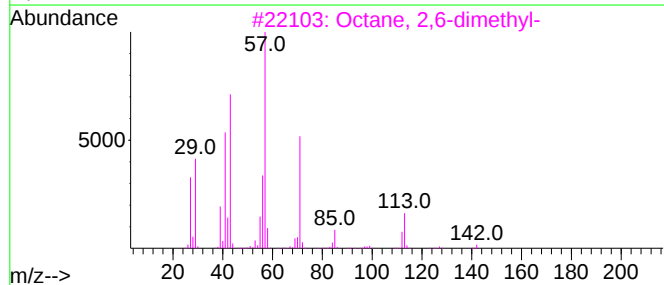
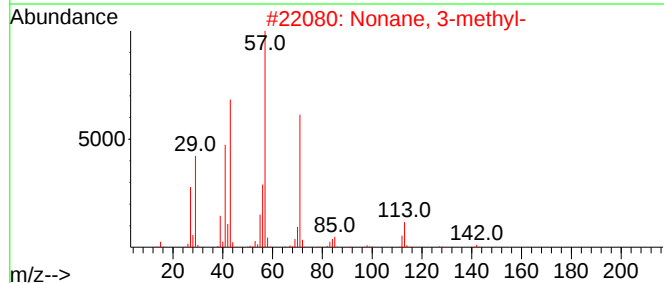
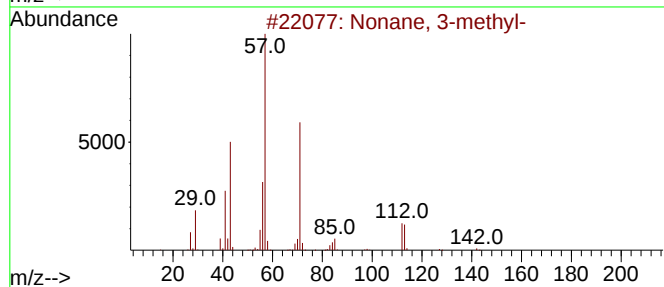
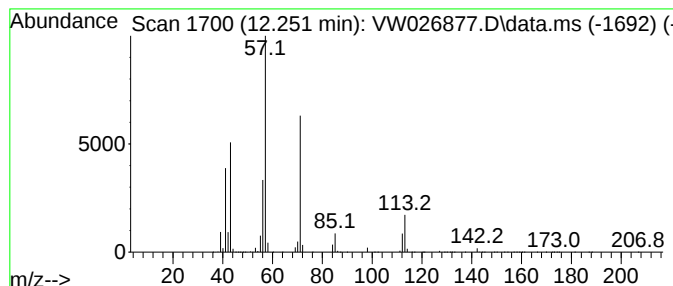
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.251	199.86 ug/L	8483890	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	91
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	90
4	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

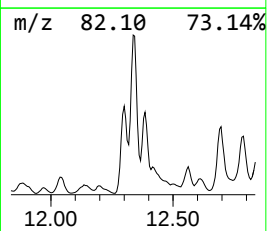
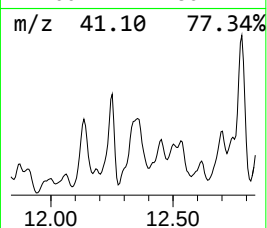
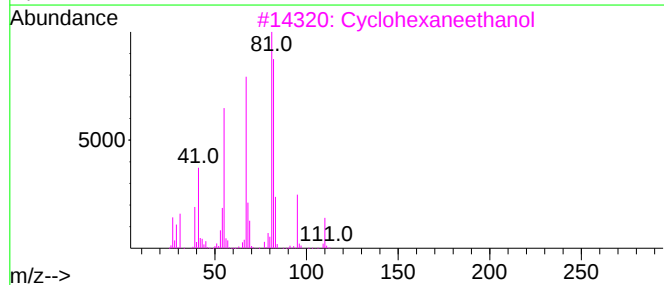
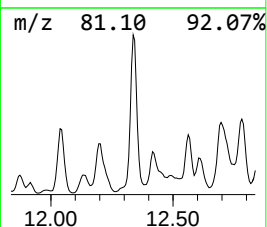
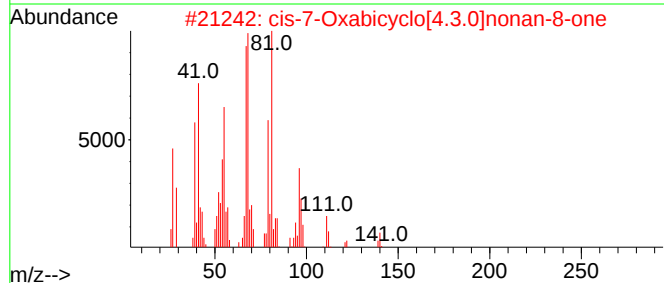
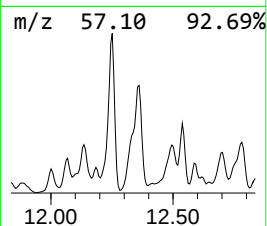
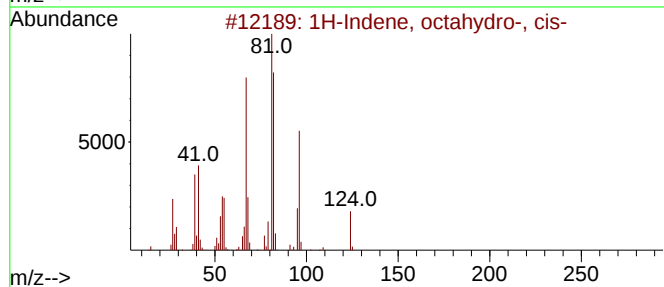
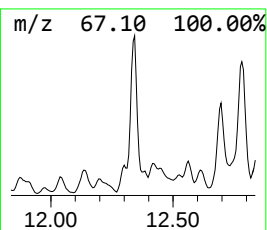
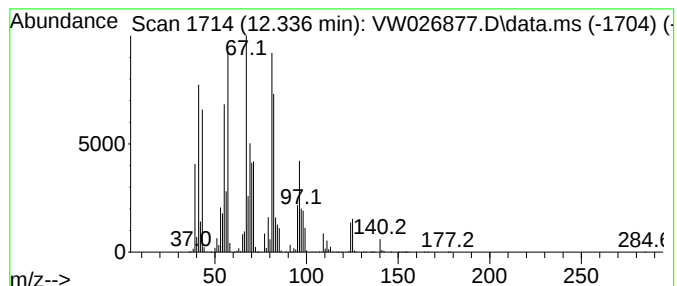
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Quant Title : SFAM01.0

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

Peak Number 35 1H-Indene, octahydro-, cis- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	377.90 ug/L	16041800	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	53
2			cis-7-Oxabicyclo[4.3.0]nonan-8-one	140	C8H12O2	024871-12-3	46
3			Cyclohexaneethanol	128	C8H16O	004442-79-9	46
4			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46
5			Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

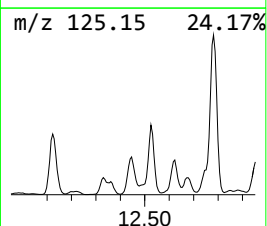
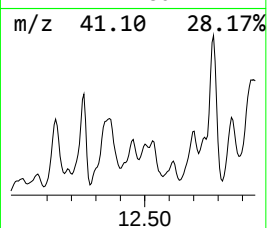
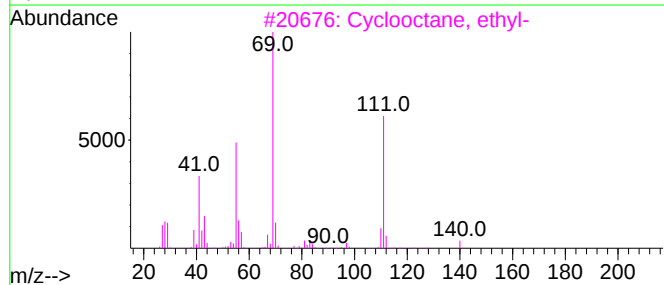
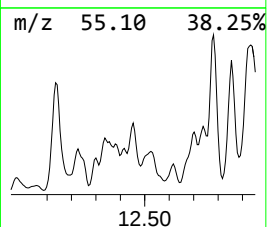
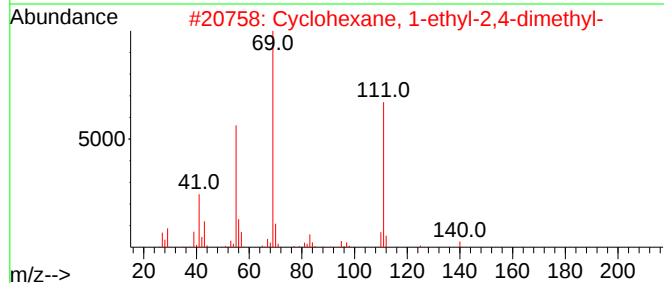
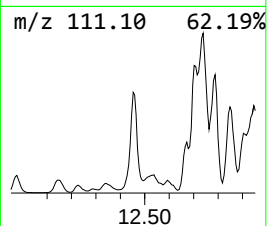
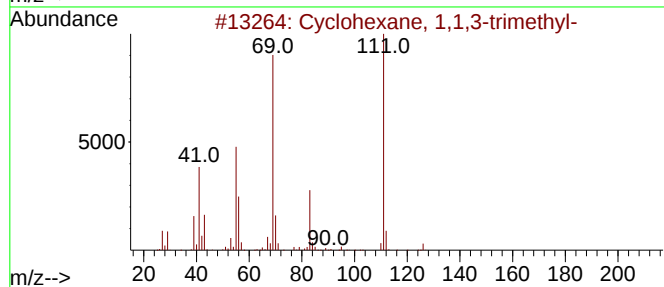
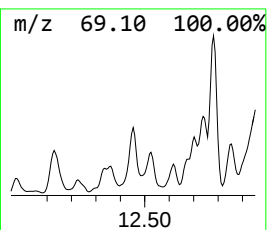
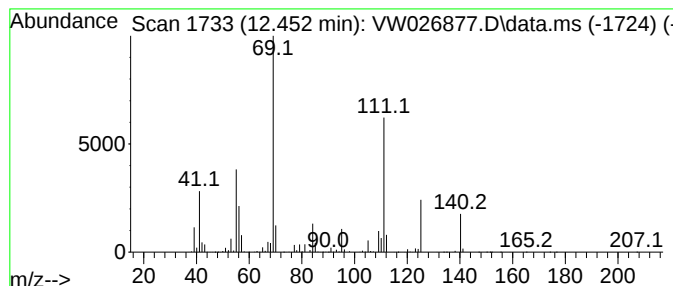
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic12.452 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.452	104.63 ug/L	4441400	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
3	Cyclooctane, ethyl-	140	C10H20	013152-02-8	53
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	53
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

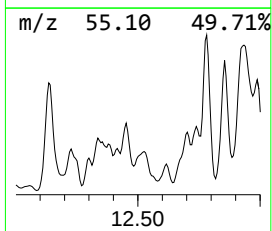
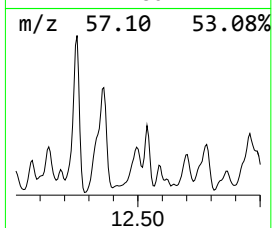
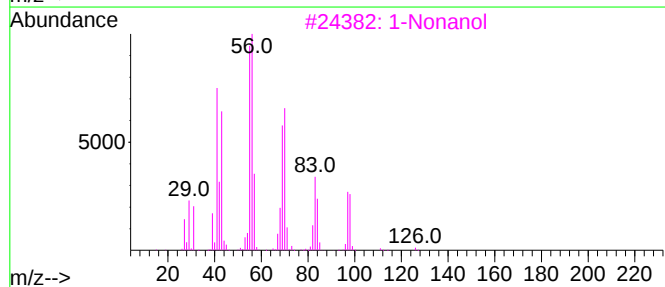
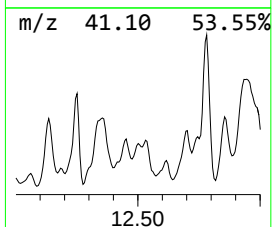
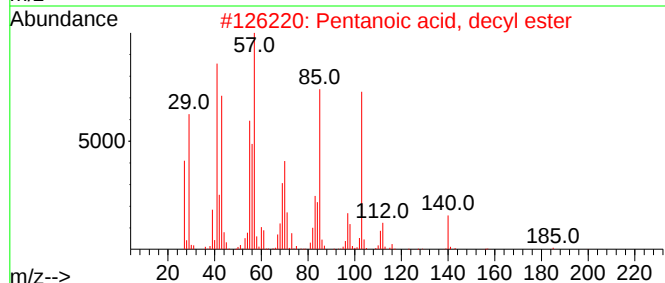
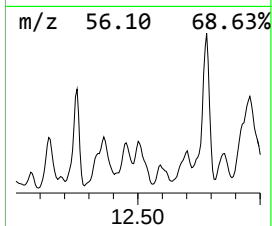
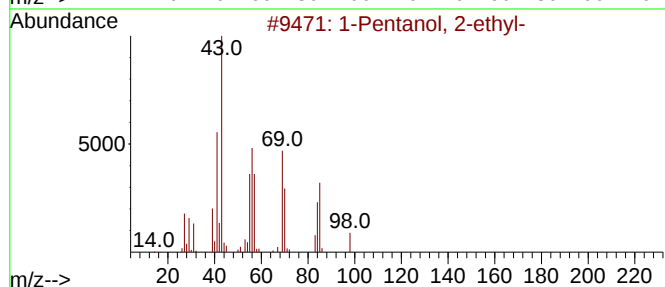
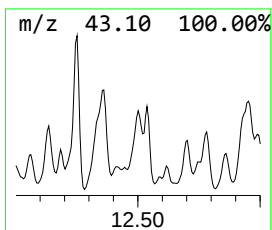
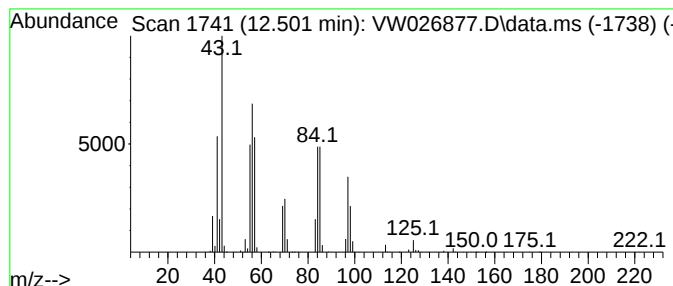
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 1-Pentanol, 2-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.501	21.04 ug/L	893291	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	53
2	Pentanoic acid, decyl ester	242	C15H30O2	005454-12-6	38
3	1-Nonanol	144	C9H20O	000143-08-8	38
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	38
5	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

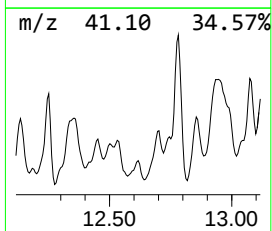
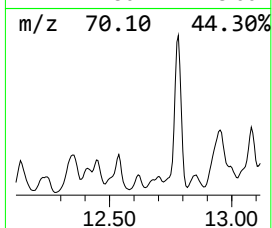
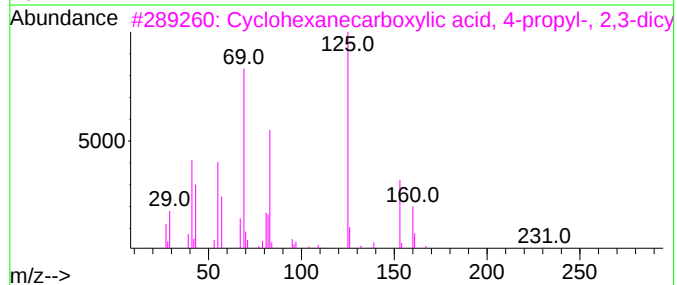
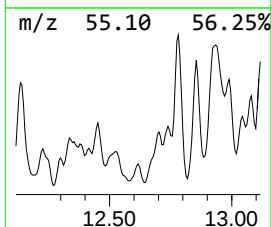
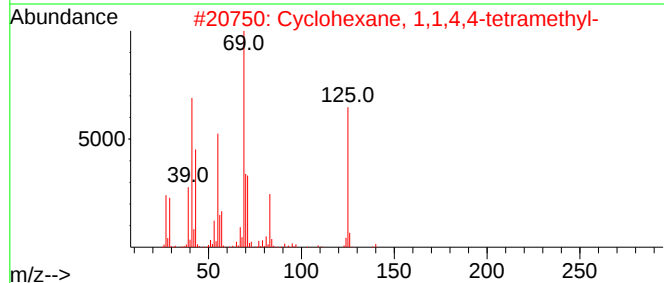
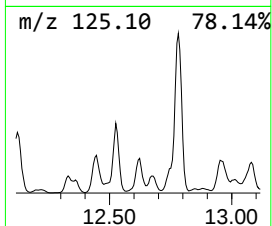
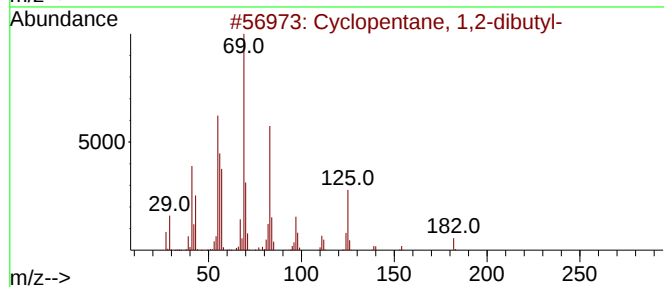
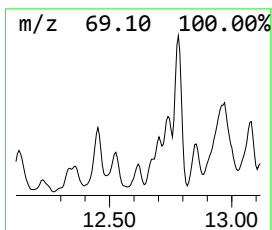
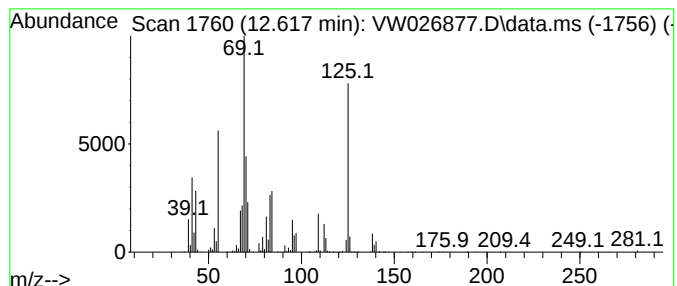
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic12.617 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	9.89 ug/L	2184930	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	59
2			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	53
3			Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	43
4			4-Methyl-2-heptene	112	C8H16	003404-56-6	38
5			1-Octanesulfonyl chloride	212	C8H17ClO2S	007795-95-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

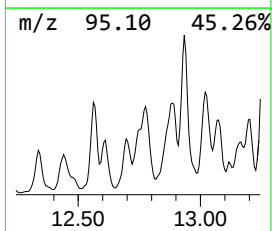
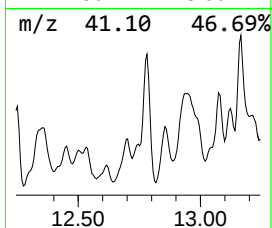
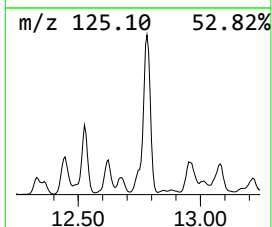
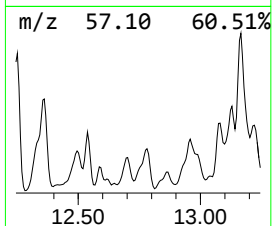
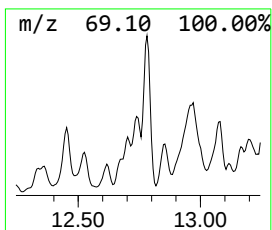
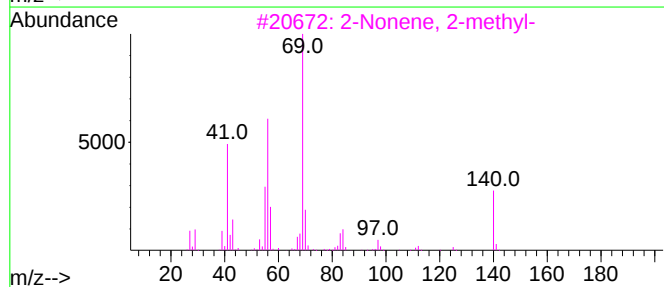
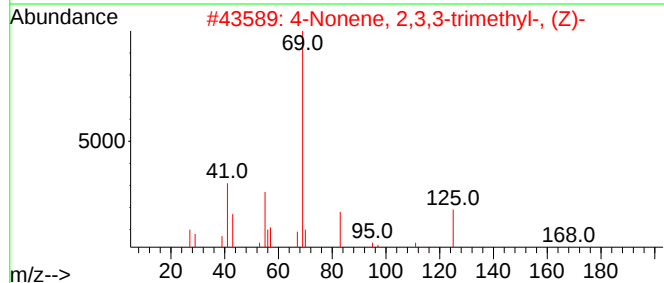
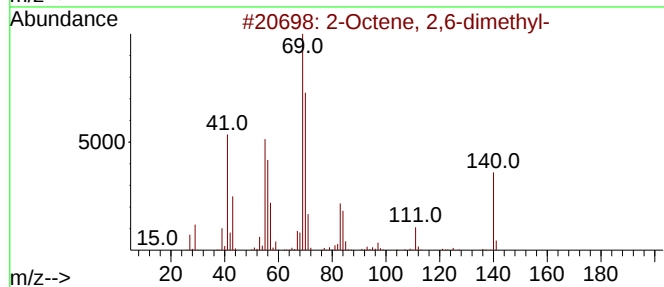
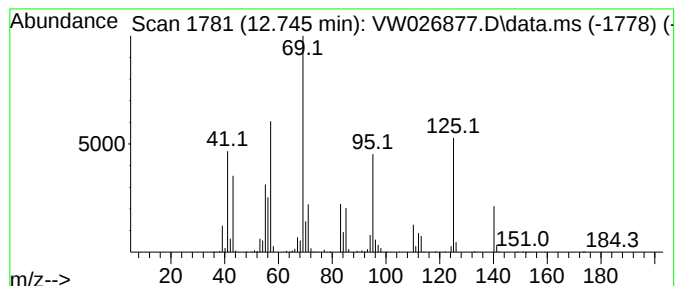
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.745	12.51 ug/L	2763530	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
2			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	35
3			2-Nonene, 2-methyl-	140	C10H20	002129-95-5	30
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27
5			Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

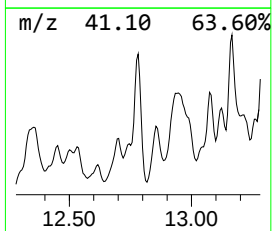
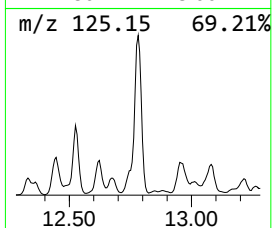
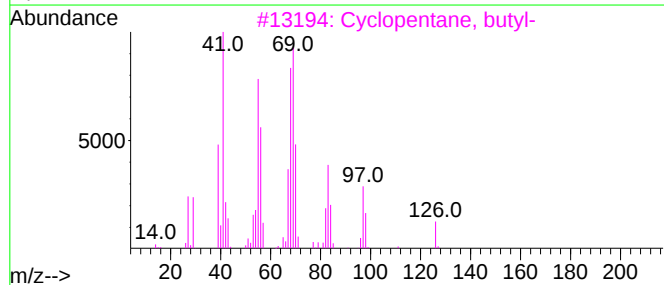
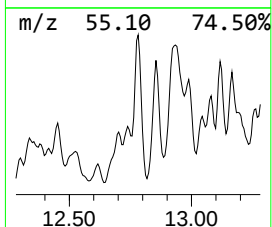
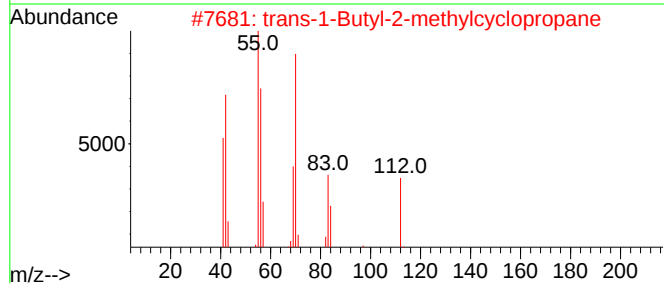
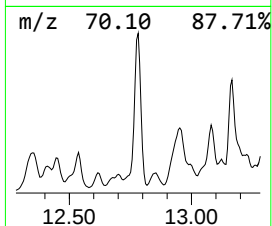
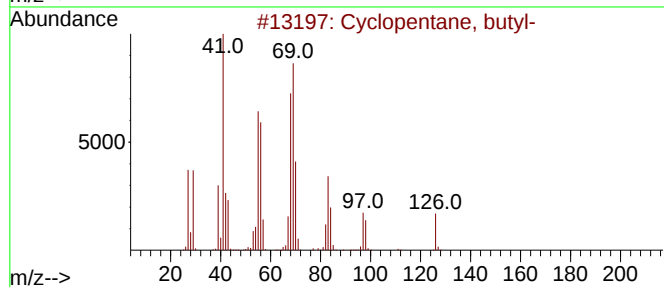
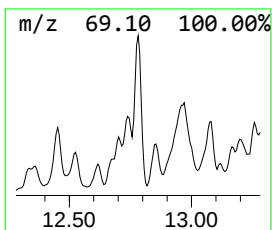
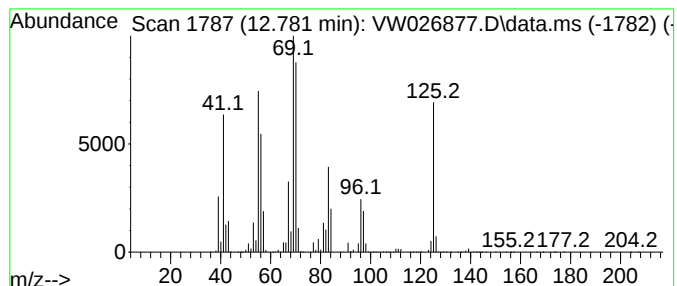
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic12.781 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.781	75.01 ug/L	16576300	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	60
2			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	55
3			Cyclopentane, butyl-	126	C9H18	002040-95-1	53
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
5			Isopropylcyclobutane	98	C7H14	000872-56-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

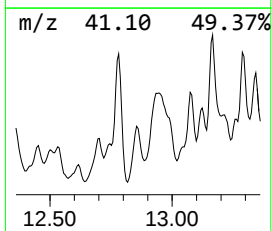
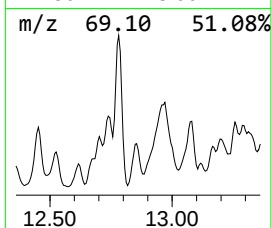
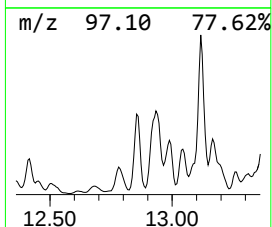
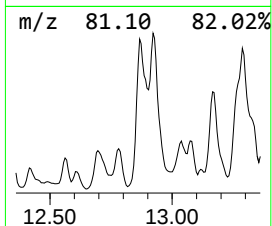
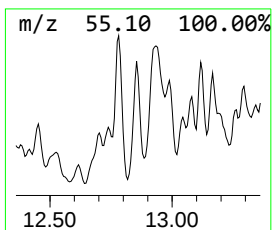
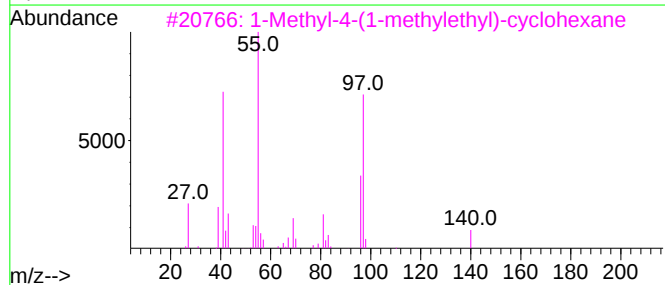
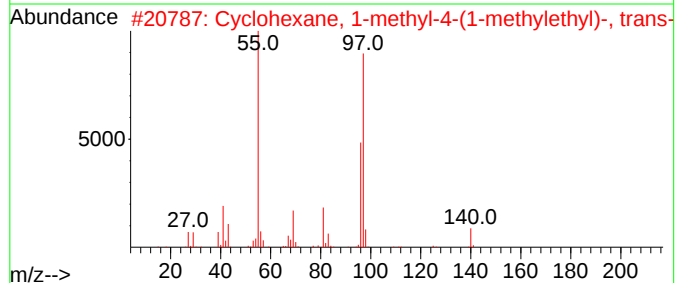
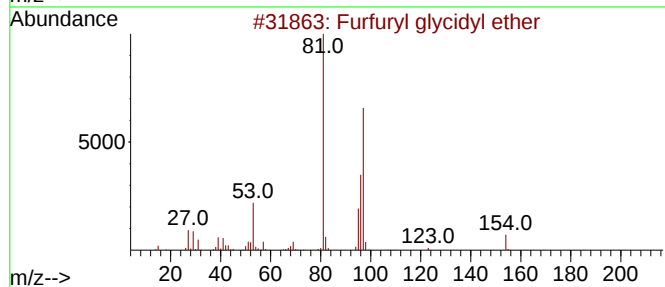
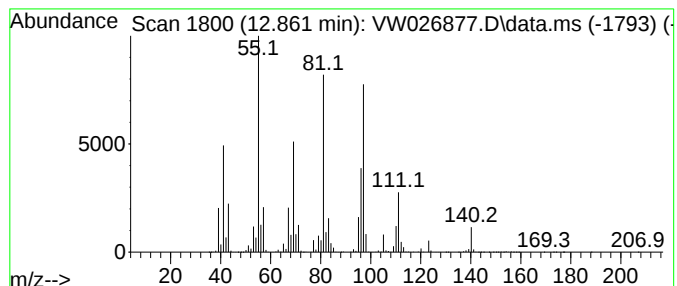
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Quant Title : SFAM01.0

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

Peak Number 41 Furfuryl glycidyl ether Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	45.41 ug/L	10034300	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furfuryl glycidyl ether	154	C8H10O3	005380-87-0	53
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
3			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

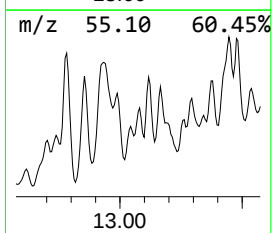
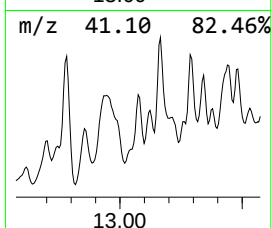
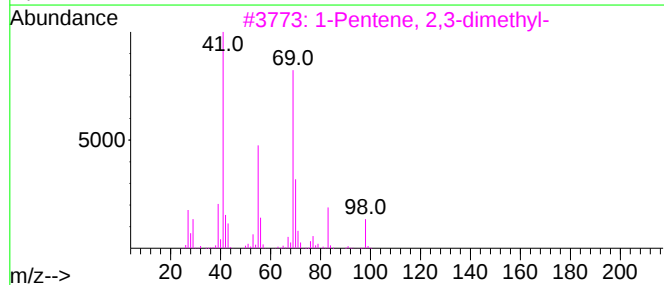
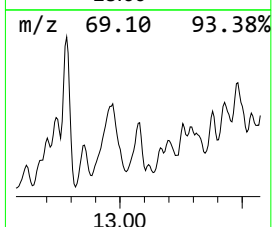
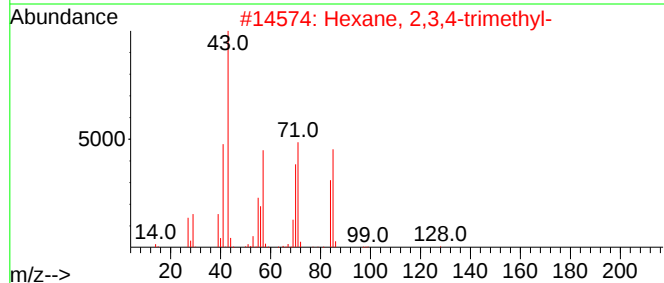
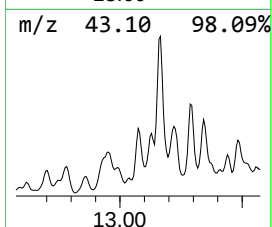
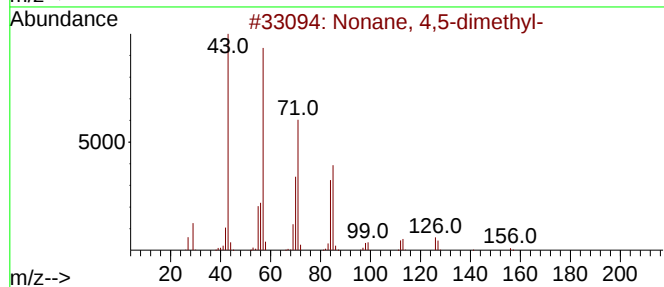
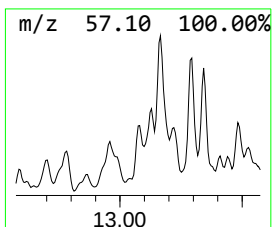
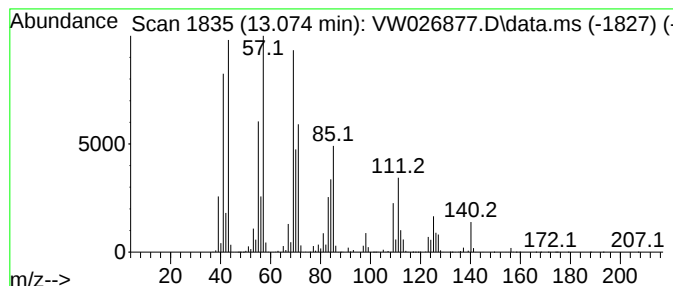
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.074	35.48 ug/L	7840370	1,4-Dichlorobenzene-d4			13.531
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	70
2	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	50
3	1-Pentene, 2,3-dimethyl-		98	C7H14	003404-72-6	38
4	Dotriacontyl heptafluorobutyrate		662	C36H65F7O2	1000351-84-2	38
5	Dotriacontyl pentafluoropropionate		612	C35H65F5O2	1010351-81-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

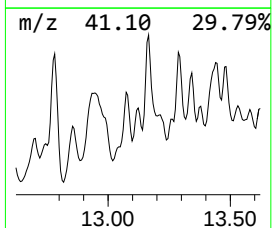
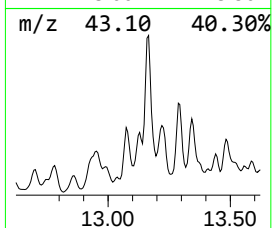
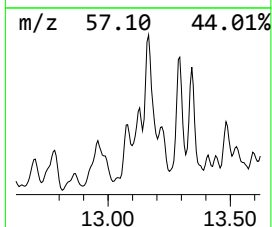
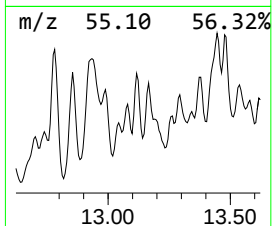
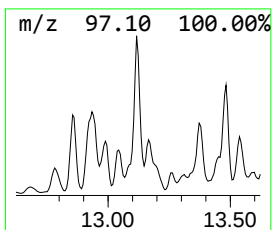
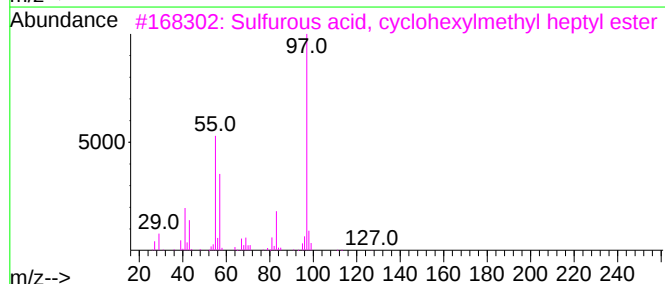
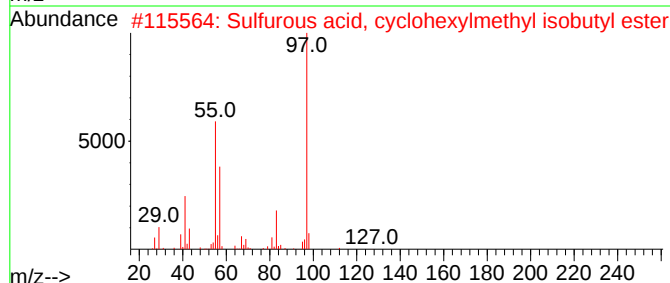
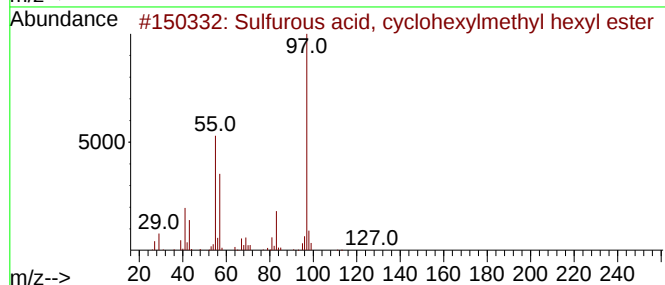
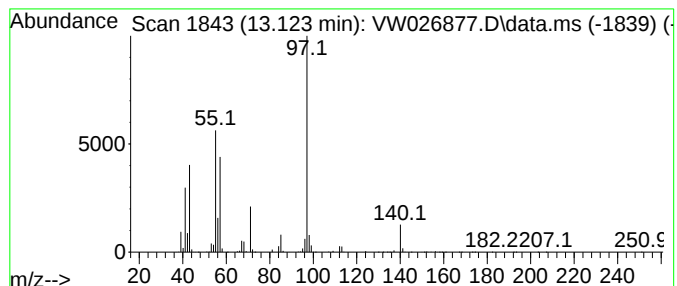
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Quant Title : SFAM01.0

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

Peak Number 43 Sulfurous acid, cyclohexylm... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	17.66 ug/L	3901560	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	59
2			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	59
3			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	59
4			Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	53
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

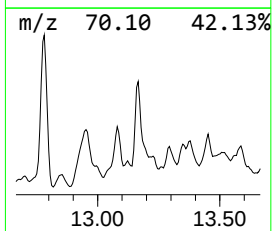
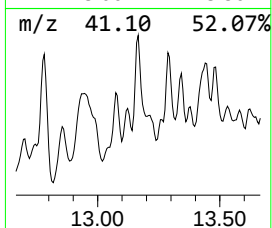
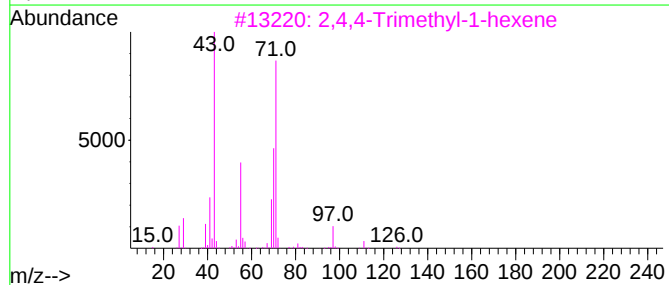
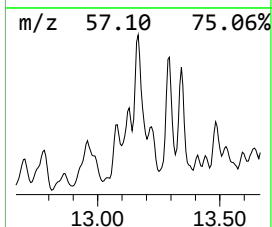
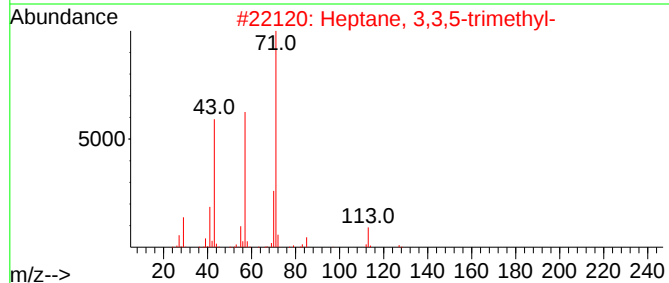
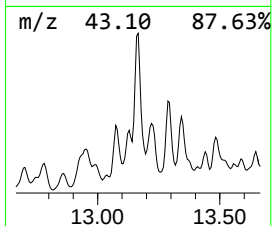
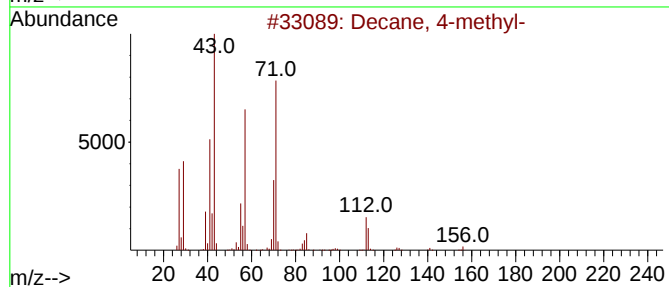
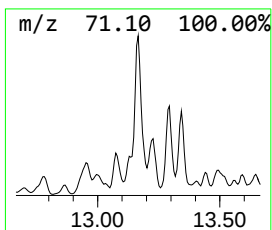
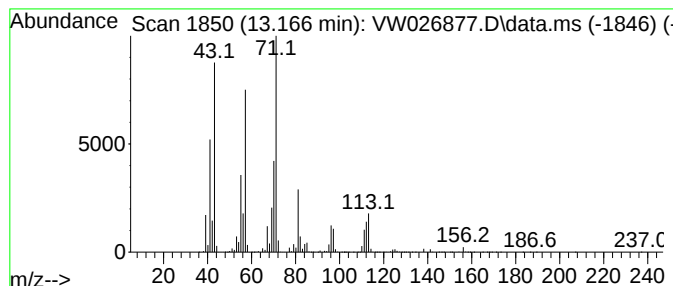
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.166	67.76 ug/L	14972100	1,4-Dichlorobenzene-d4			13.531
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	62
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	53
3	2,4,4-Trimethyl-1-hexene		126	C9H18	051174-12-0	52
4	Octane, 2-bromo-		192	C8H17Br	000557-35-7	50
5	Sulfurous acid, octyl 2-pentyl e...		264	C13H28O3S	1000309-15-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

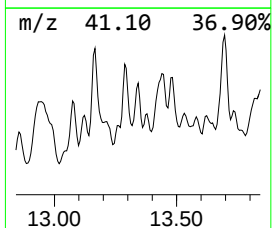
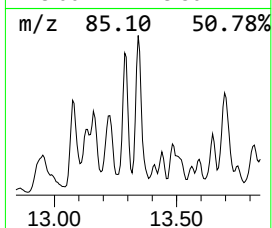
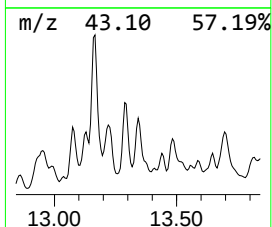
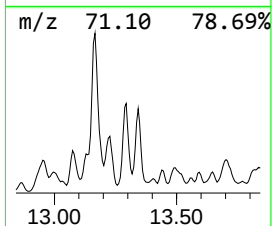
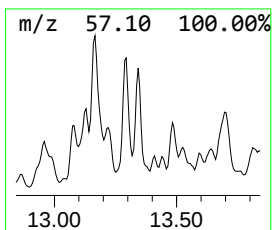
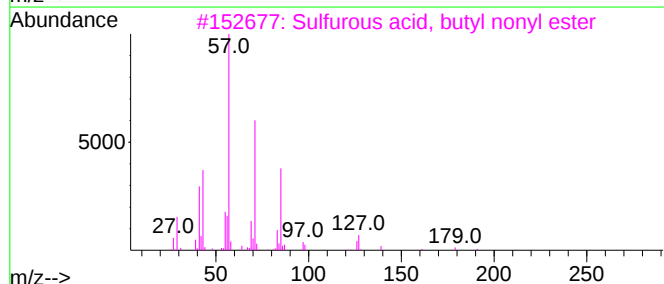
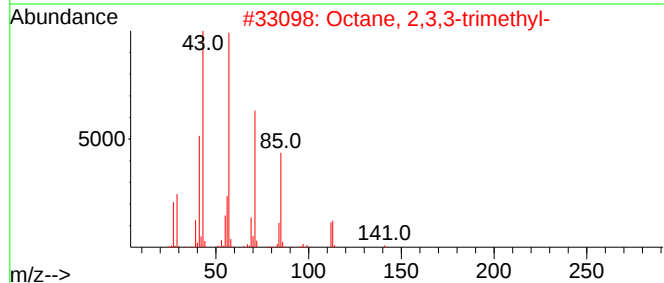
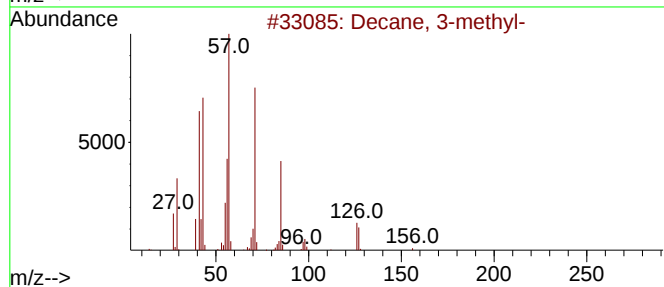
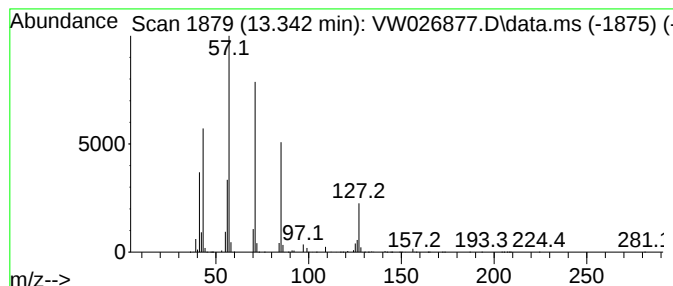
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.342	24.01 ug/L	5305310	1,4-Dichlorobenzene-d4			13.531
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	68
2	Octane, 2,3,3-trimethyl-		156	C11H24	062016-30-2	64
3	Sulfurous acid, butyl nonyl ester		264	C13H28O3S	1000309-17-6	64
4	Nonane, 5-(2-methylpropyl)-		184	C13H28	062185-53-9	64
5	Nonane, 5-methyl-5-propyl-		184	C13H28	017312-75-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

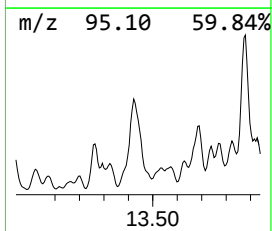
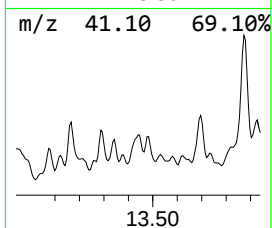
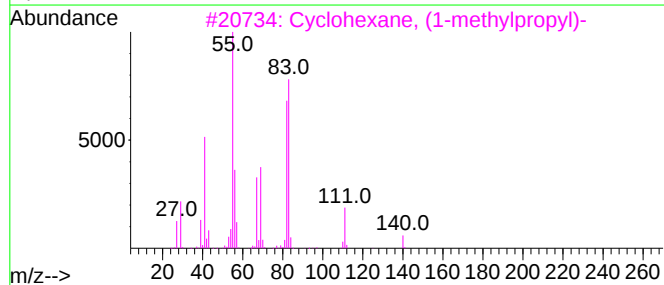
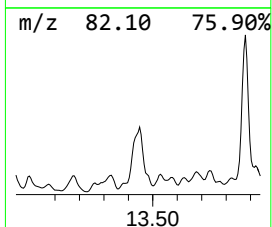
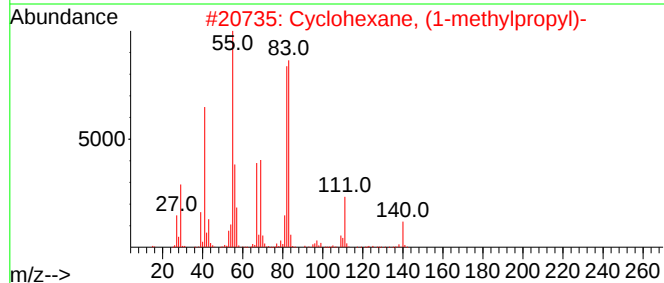
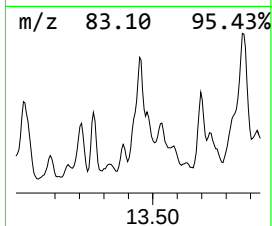
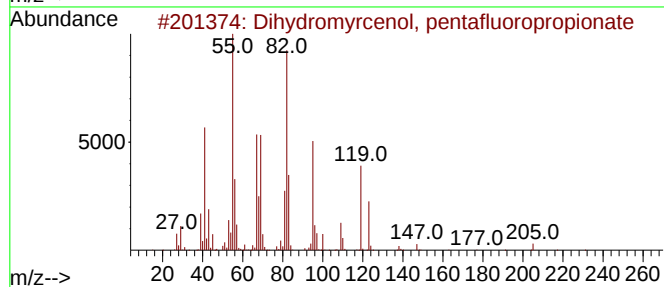
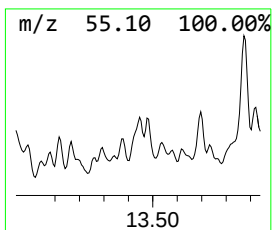
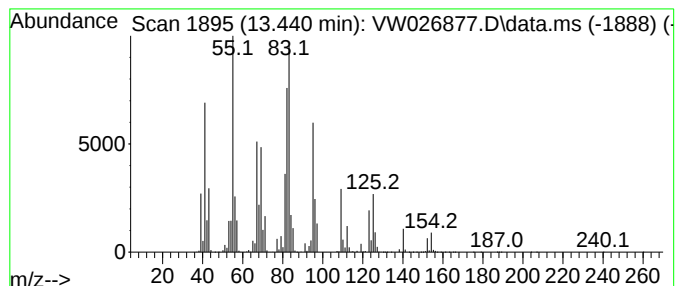
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Quant Title : SFAM01.0

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

Peak Number 47 Dihydromyrcenol, pentafluor... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	59.15 ug/L	13071500	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dihydromyrcenol, pentafluoroprop...	302	C13H19F5O2	1000463-72-1	52
2			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49
3			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	46
4			2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	46
5			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

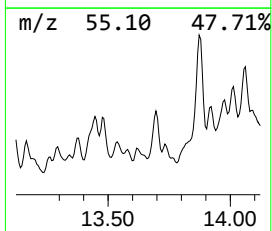
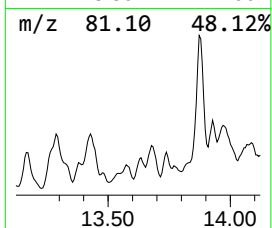
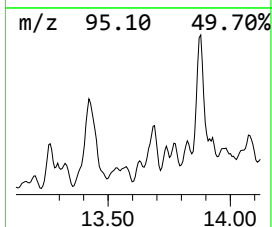
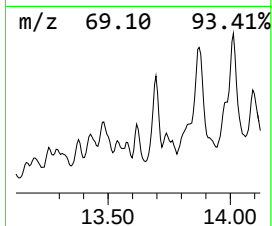
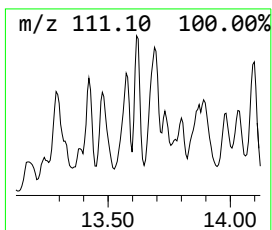
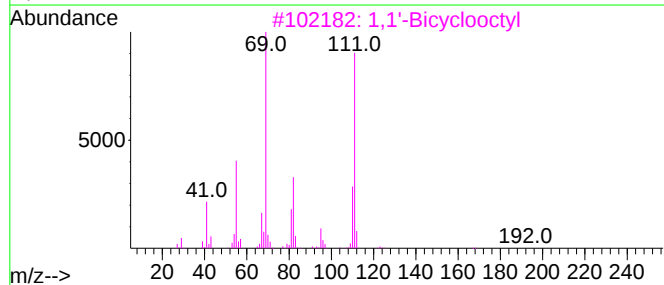
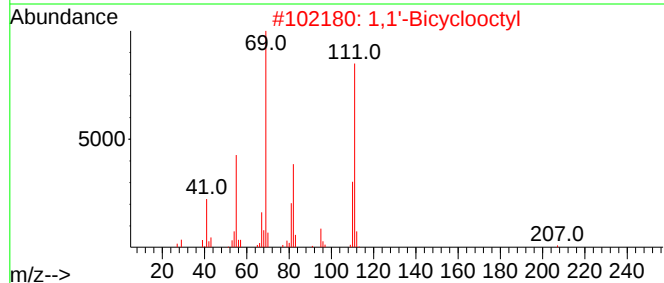
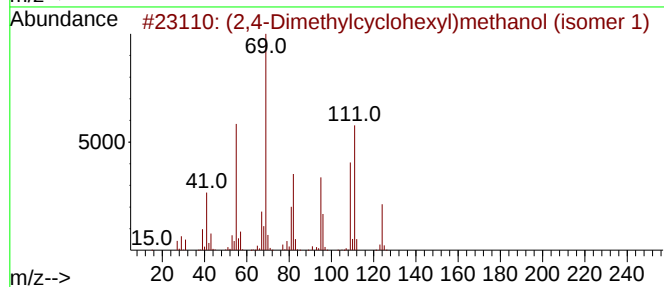
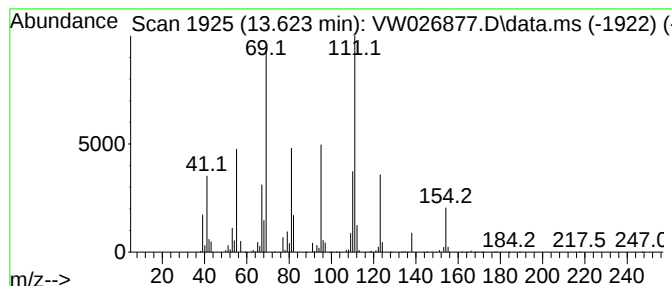
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 (2,4-Dimethylcyclohexyl)met... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.623	20.23 ug/L	4469940	1,4-Dichlorobenzene-d4	13.531	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,4-Dimethylcyclohexyl)methanol...	142	C9H18O	1000499-02-6	59
2	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	50
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	50
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
5	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

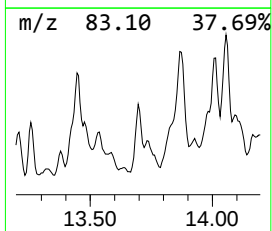
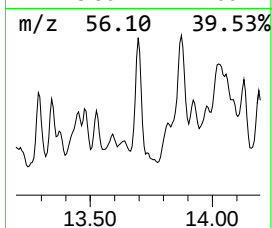
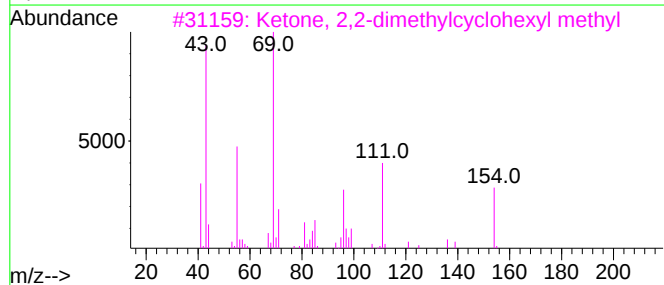
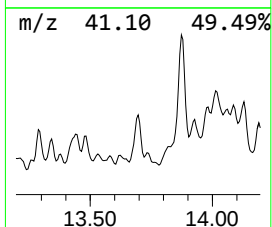
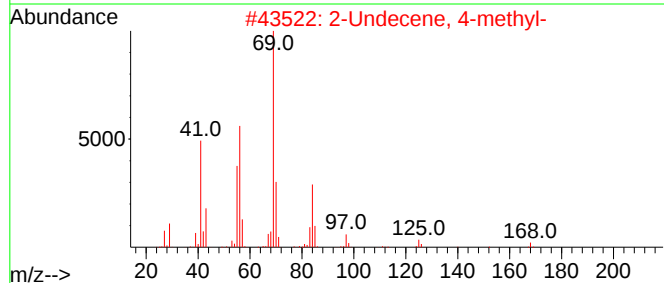
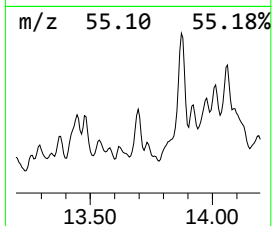
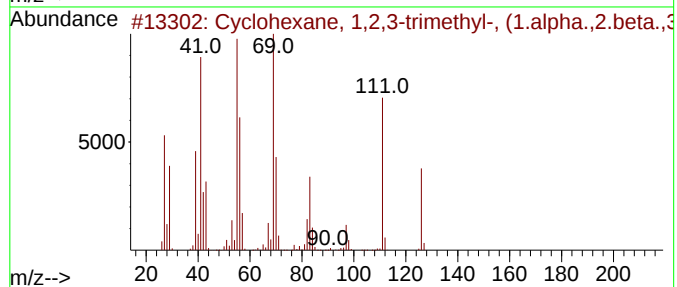
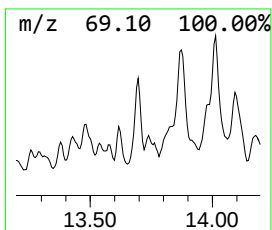
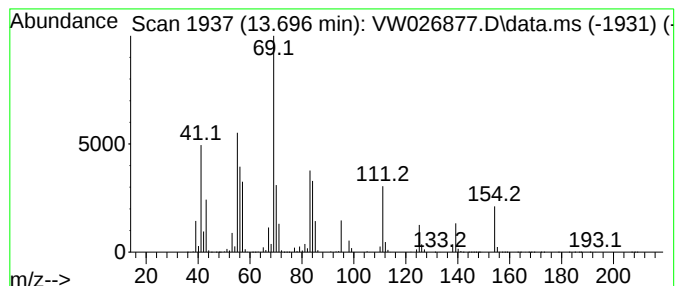
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Cyclic13.696 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.696	61.93 ug/L	13684700	1,4-Dichlorobenzene-d4	13.531	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
2	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	50
3	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	47
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

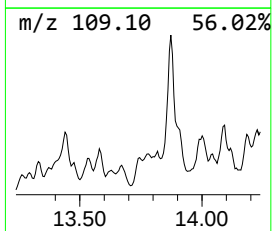
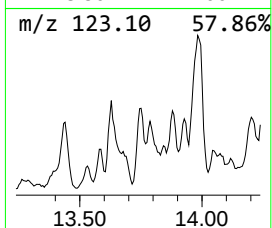
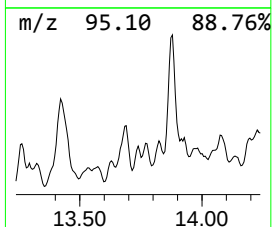
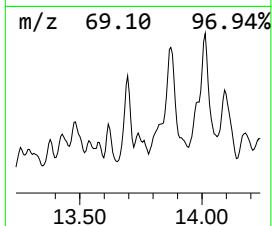
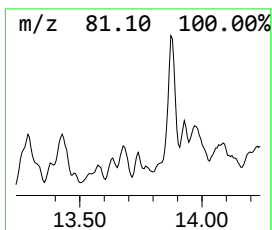
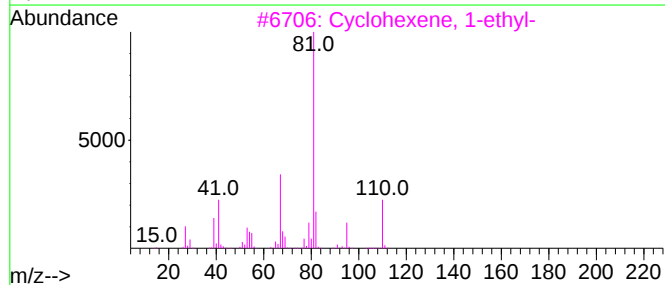
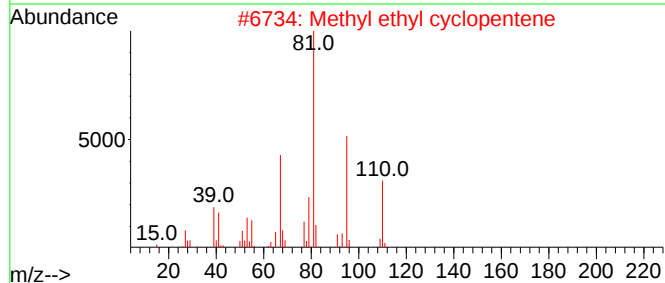
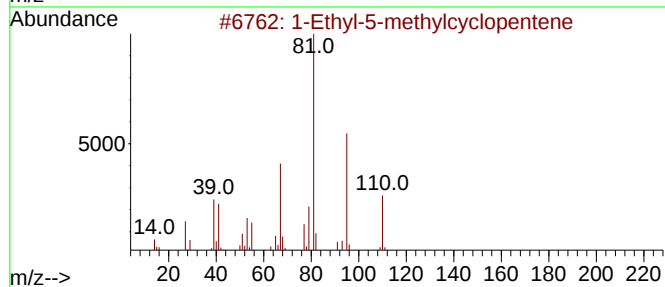
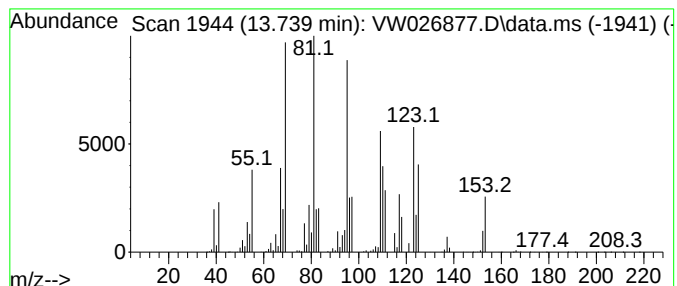
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Quant Title : SFAM01.0

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

Peak Number 50 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	19.39 ug/L	4284670	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	41
2			Methyl ethyl cyclopentene	110	C8H14	019780-56-4	25
3			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18
4			Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	14
5			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

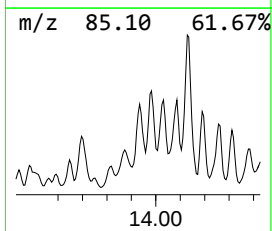
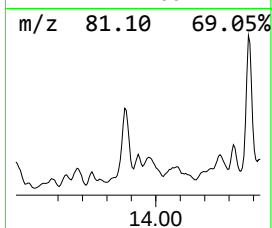
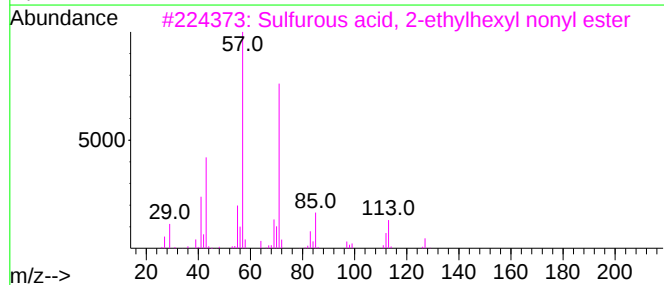
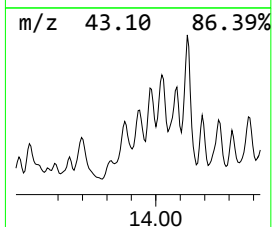
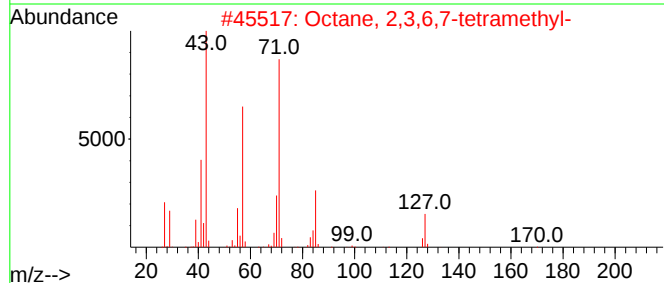
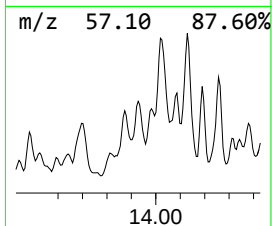
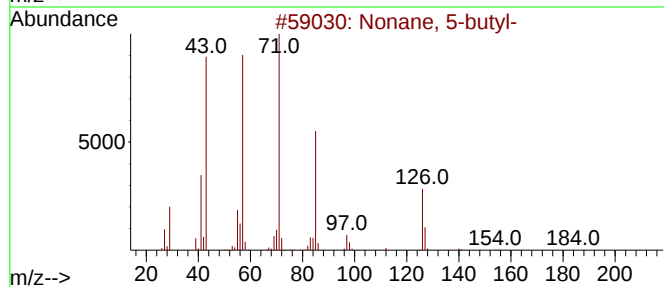
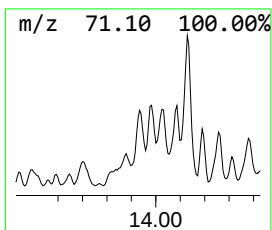
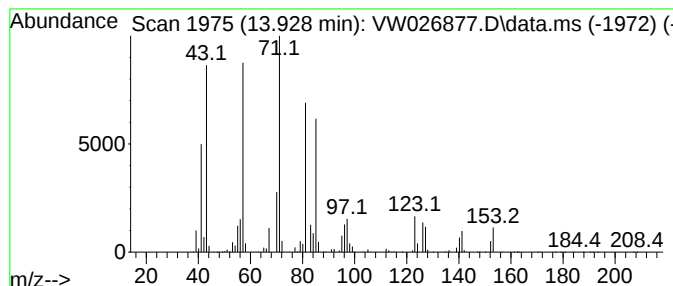
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.928	15.85 ug/L	3501510	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 5-butyl-	184	C13H28	017312-63-9	64
2			Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	47
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	43
4			Cyclobutylcarboxamide, N-methallyl-	153	C9H15NO	1000340-37-0	38
5			Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

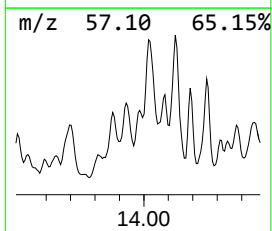
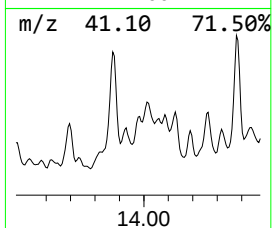
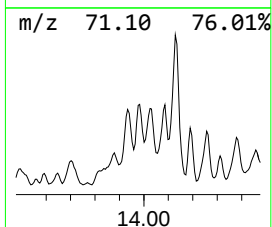
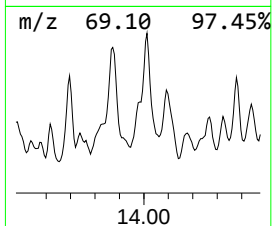
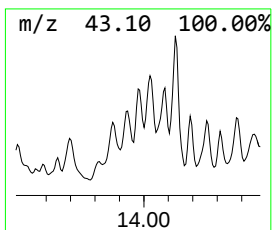
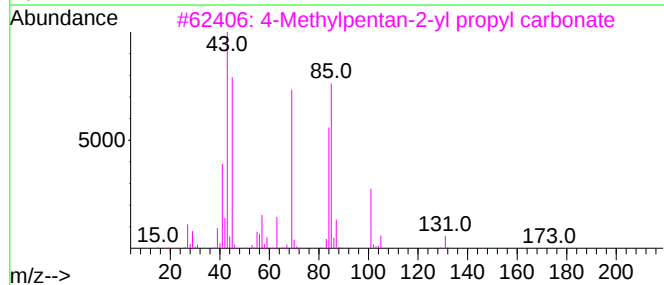
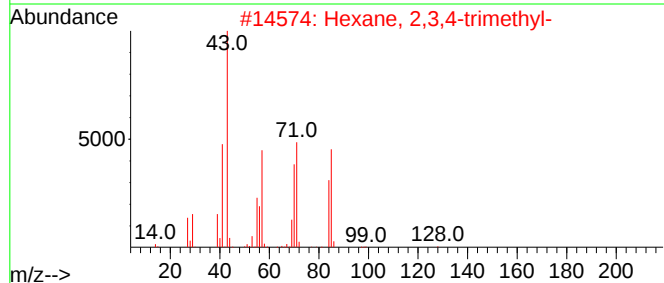
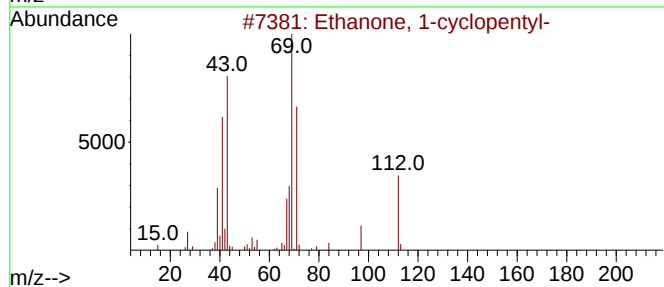
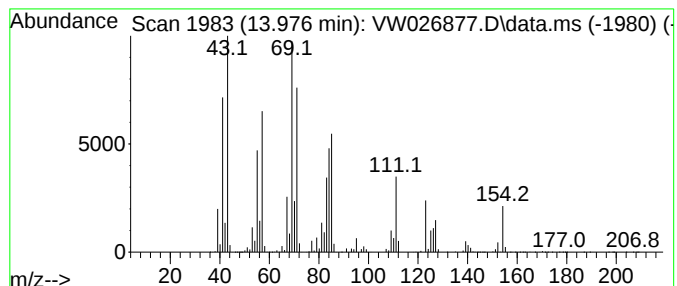
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Quant Title : SFAM01.0

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

Peak Number 52 unknown-03 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	32.51 ug/L	7183090	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	43
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
3			4-Methylpentan-2-yl propyl carbo...	188	C10H20O3	1000372-81-8	35
4			2-Bromononane	206	C9H19Br	002216-35-5	30
5			2-Nonen-4-one	140	C9H16O	032064-72-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

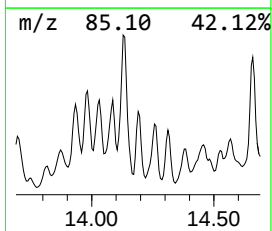
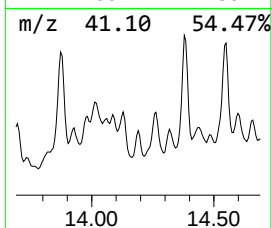
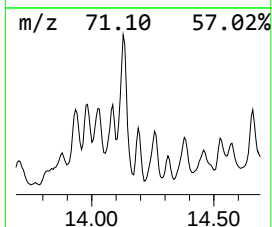
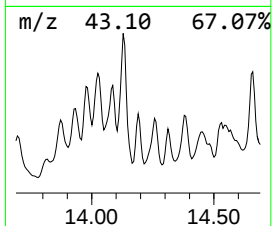
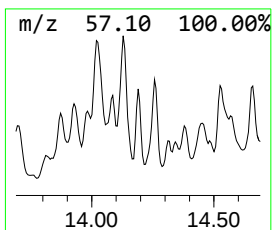
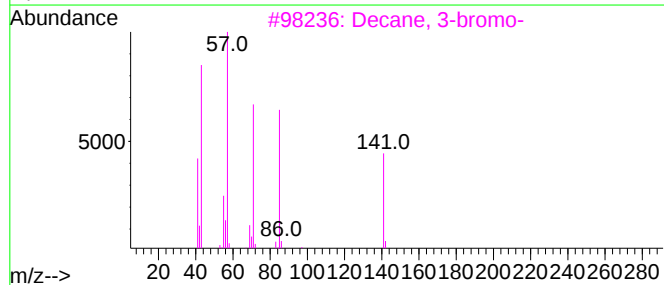
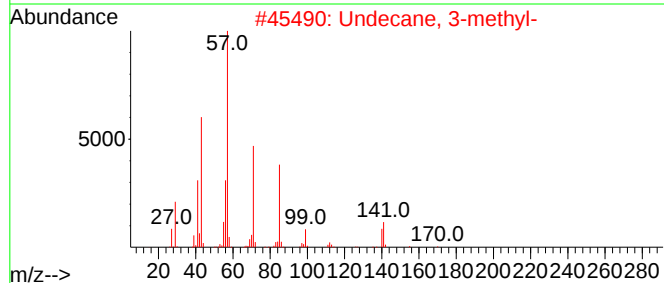
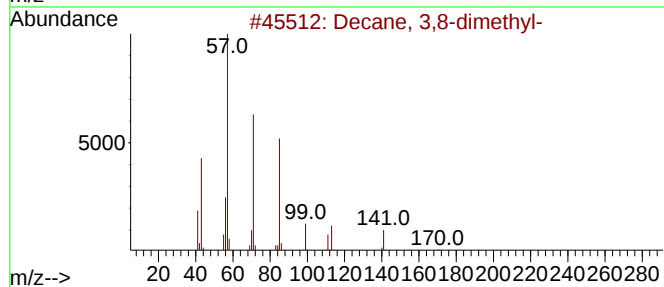
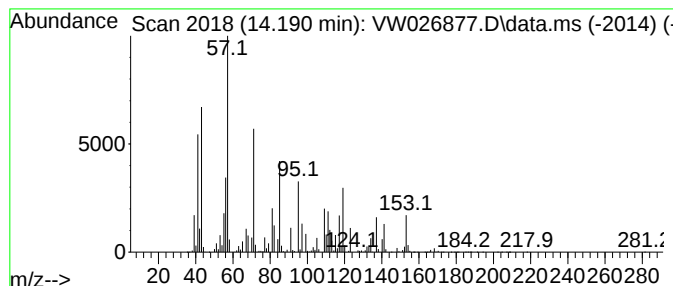
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Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	39.59 ug/L	8747570	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	41
2			Undecane, 3-methyl-	170	C12H26	001002-43-3	41
3			Decane, 3-bromo-	220	C10H21Br	030571-71-2	35
4			Undecane, 3-methyl-	170	C12H26	001002-43-3	35
5			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

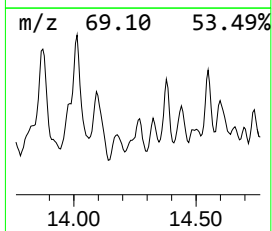
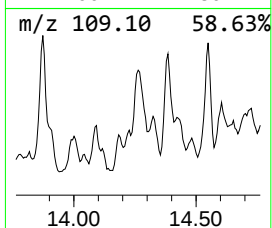
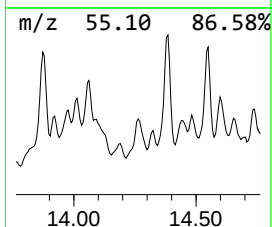
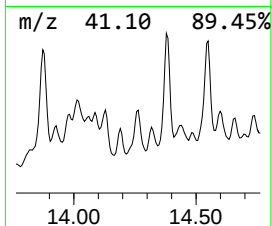
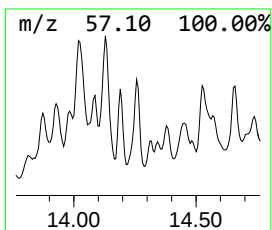
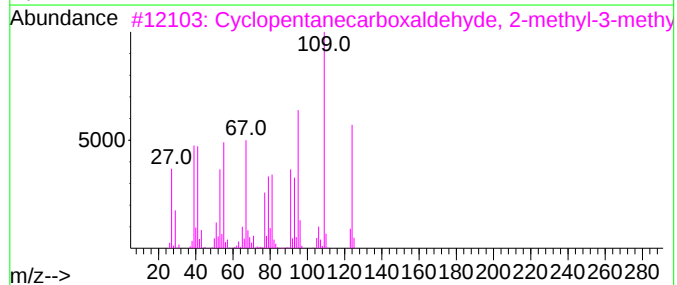
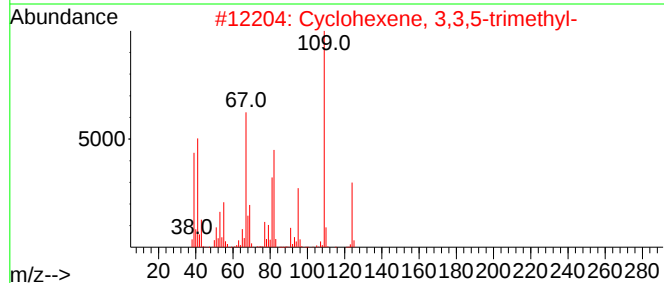
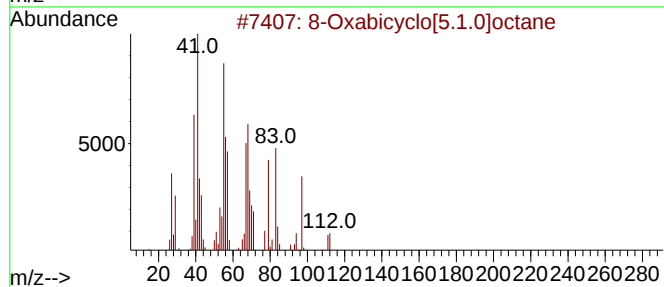
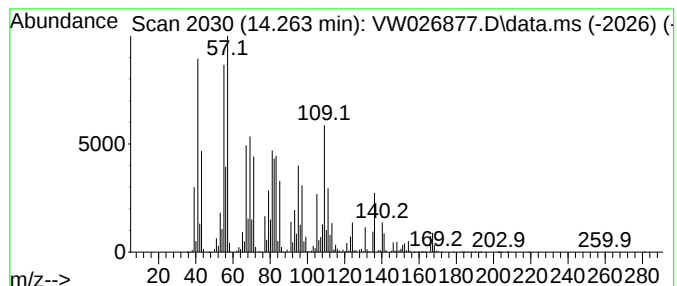
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Quant Title : SFAM01.0

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

Peak Number 54 8-Oxabicyclo[5.1.0]octane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	55.87 ug/L	12346800	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	52
2			Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	38
3			Cyclopentanecarboxaldehyde, 2-me...	124	C8H12O	1000154-24-0	35
4			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	25
5			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

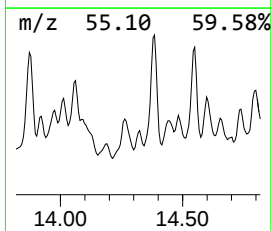
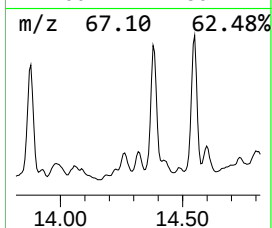
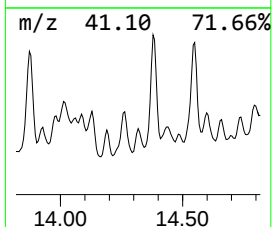
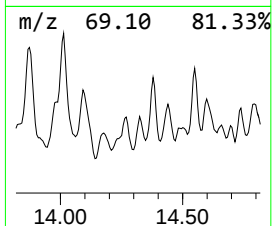
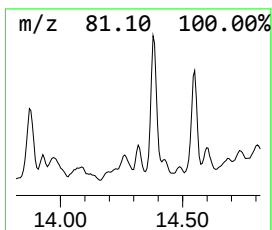
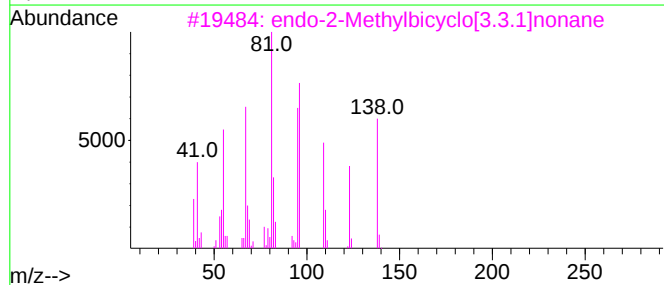
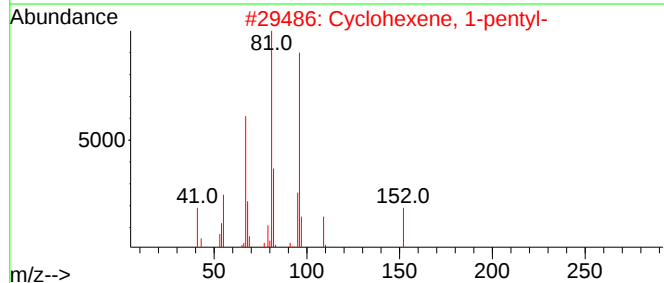
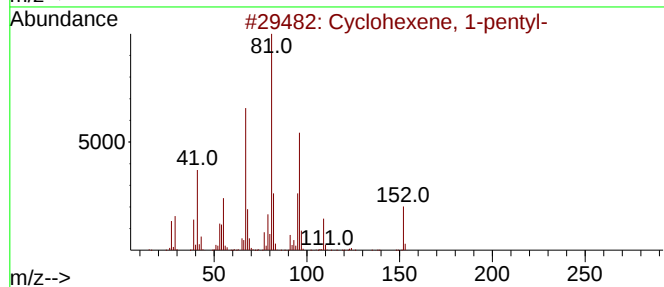
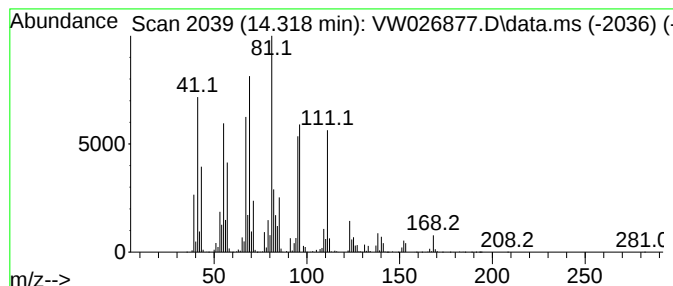
Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 55 Cyclohexene, 1-pentyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.318	32.44 ug/L	7168180	1,4-Dichlorobenzene-d4			13.531
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-pentyl-		152	C11H20	015232-85-6	50
2	Cyclohexene, 1-pentyl-		152	C11H20	015232-85-6	50
3	endo-2-Methylbicyclo[3.3.1]nonane		138	C10H18	042558-37-2	49
4	Cyclohexene, 1-butyl-		138	C10H18	003282-53-9	46
5	Bicyclo[3.1.0]hexan-2-one, 5-(1-...		138	C9H14O	000513-20-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

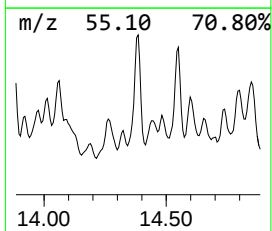
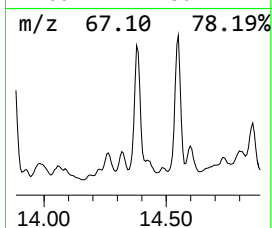
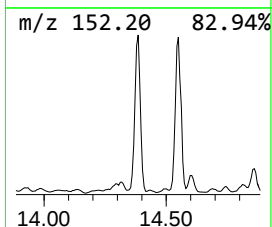
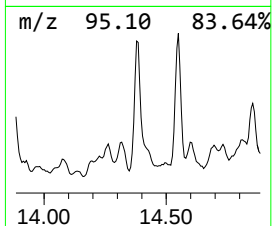
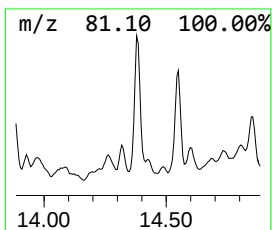
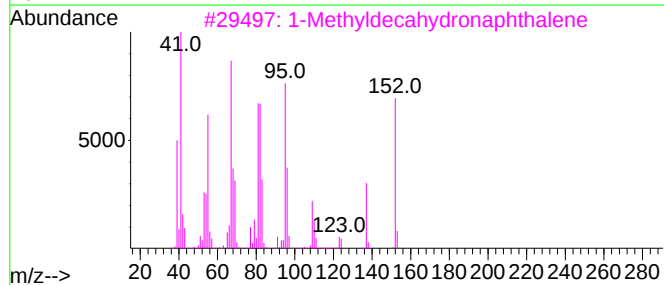
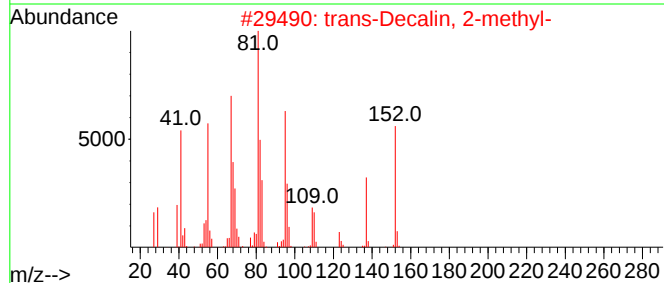
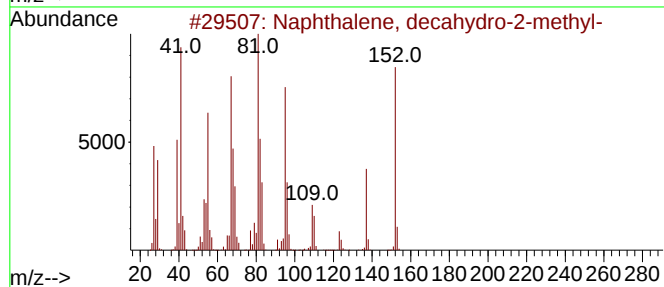
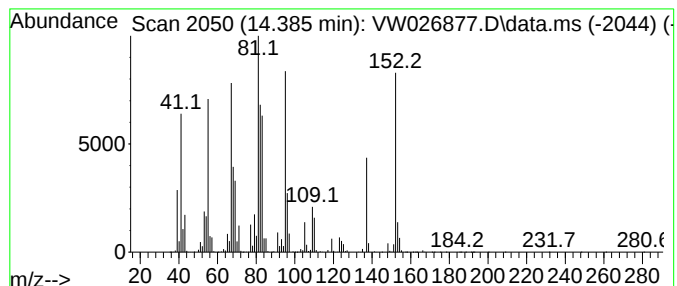
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Quant Title : SFAM01.0

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

Peak Number 56 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	179.60 ug/L	39686000	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
3			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	89
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

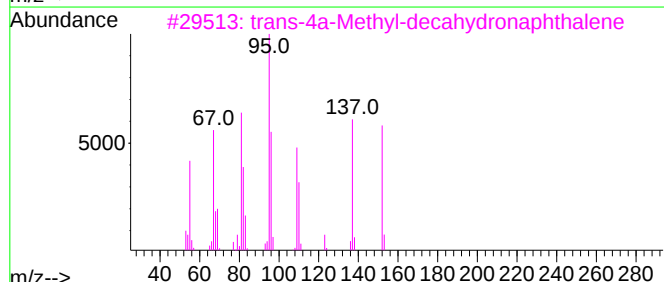
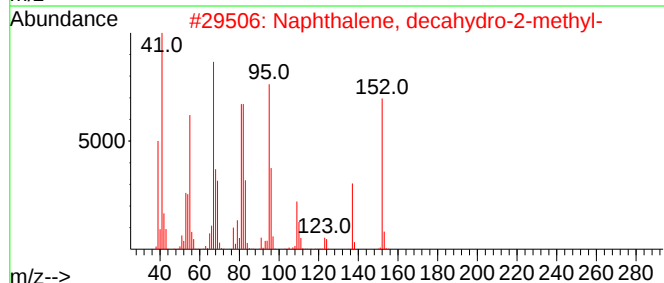
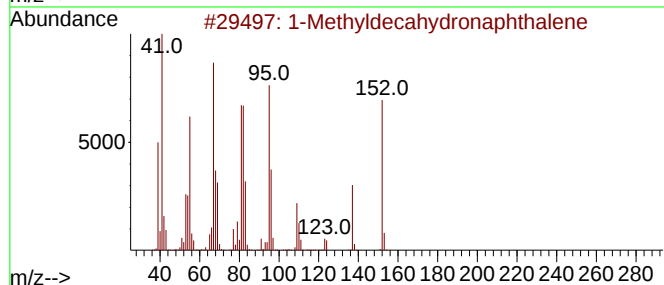
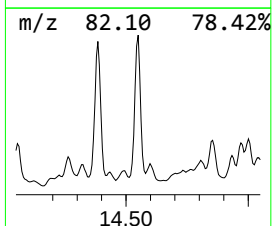
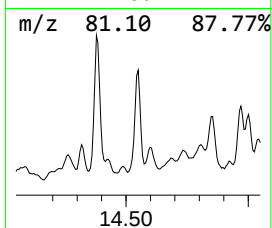
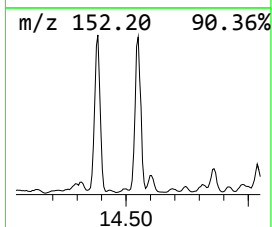
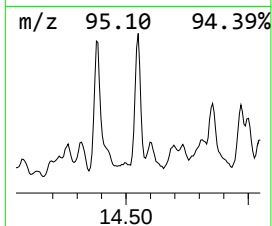
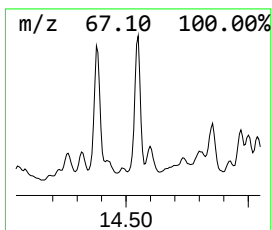
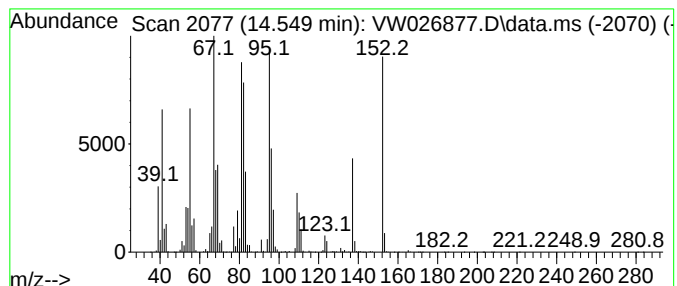
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Quant Title : SFAM01.0

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

Peak Number 57 1-Methyldecahydronaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.550	178.28 ug/L	39394000	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	86
4			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

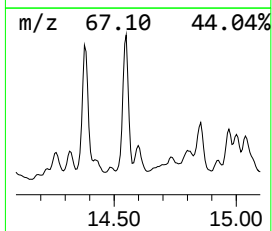
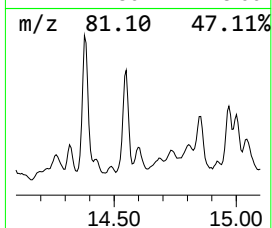
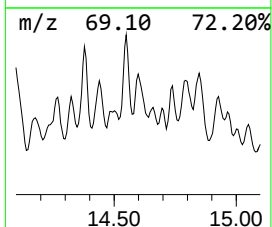
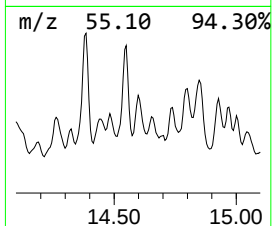
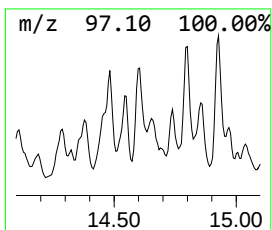
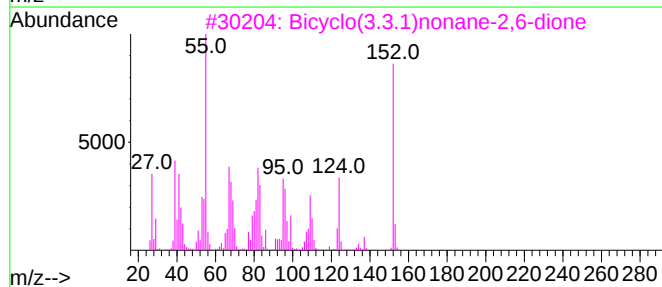
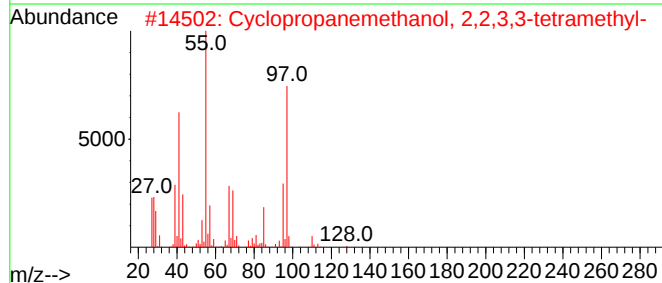
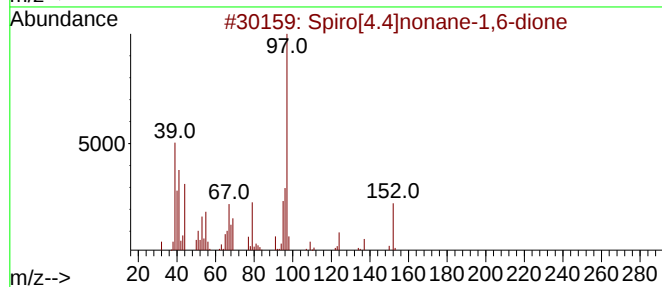
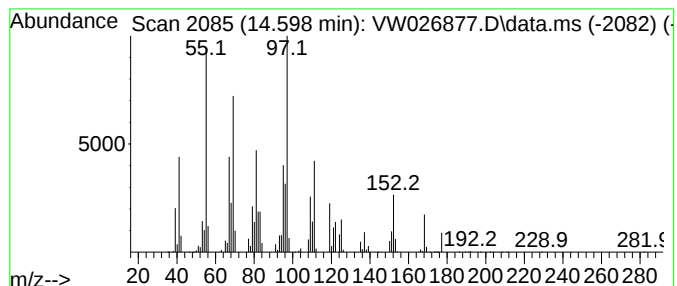
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Quant Title : SFAM01.0

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

Peak Number 58 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.598	44.86 ug/L	9912850	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Spiro[4.4]nonane-1,6-dione	152	C9H12O2	027723-43-9	49
2			Cyclopropanemethanol, 2,2,3,3-tetramethyl-	128	C8H16O	002415-96-5	43
3			Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	27
4			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	27
5			Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

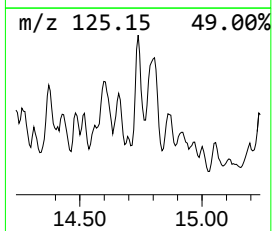
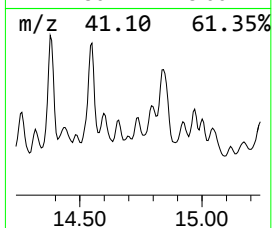
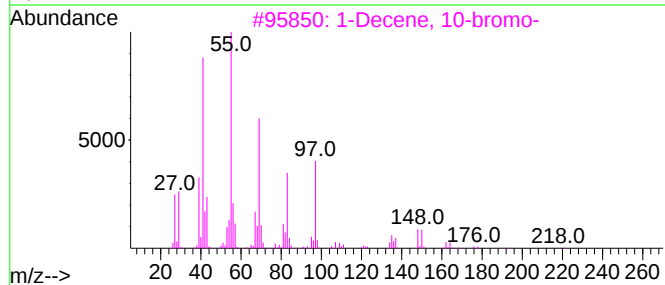
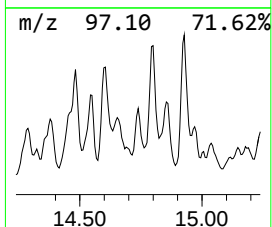
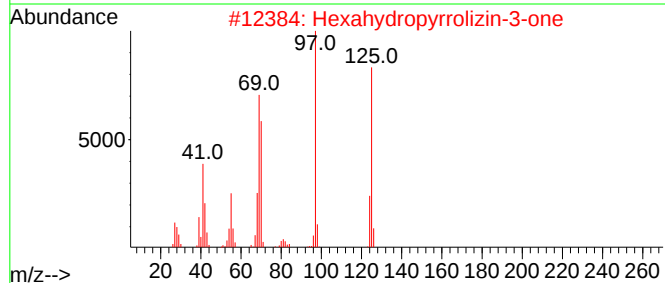
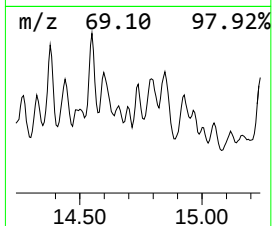
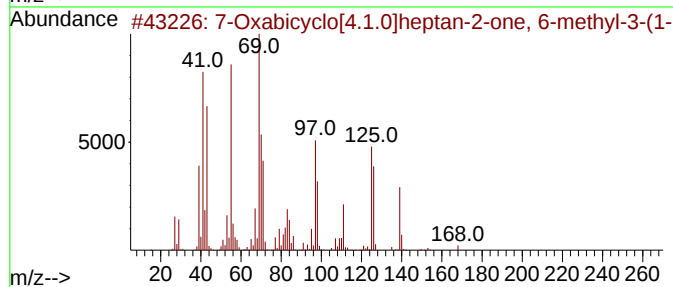
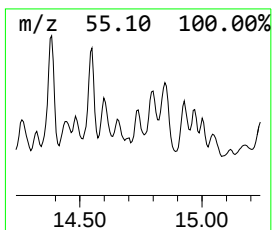
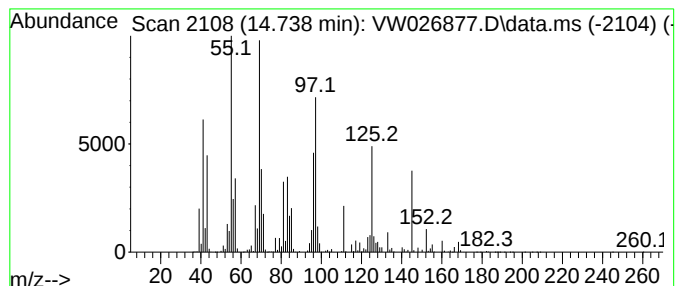
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Quant Title : SFAM01.0

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

Peak Number 59 7-Oxabicyclo[4.1.0]heptan-2... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.738	28.94 ug/L	6395440	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Oxabicyclo[4.1.0]heptan-2-one,...	168	C10H16O2	005286-38-4	55
2			Hexahydropyrrolizin-3-one	125	C7H11NO	126424-83-7	30
3			1-Decene, 10-bromo-	218	C10H19Br	062871-09-4	27
4			2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	22
5			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

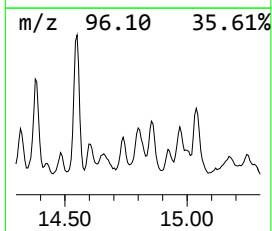
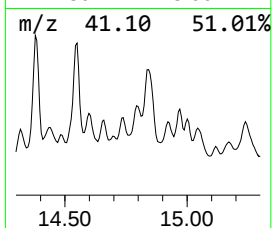
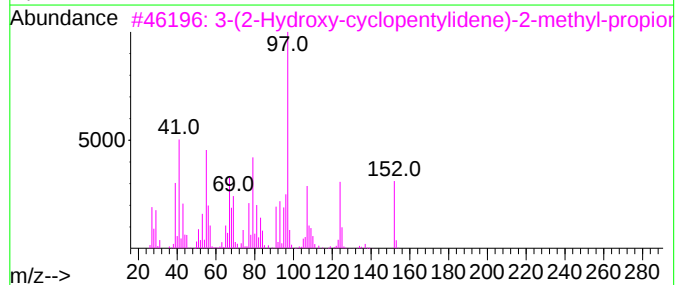
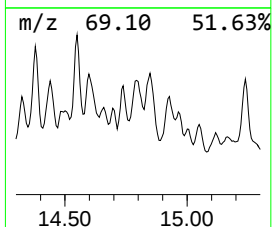
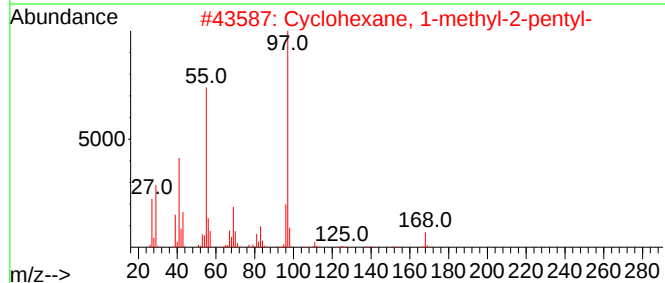
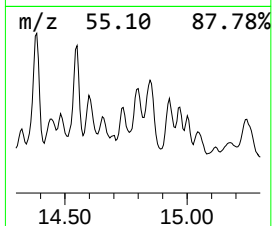
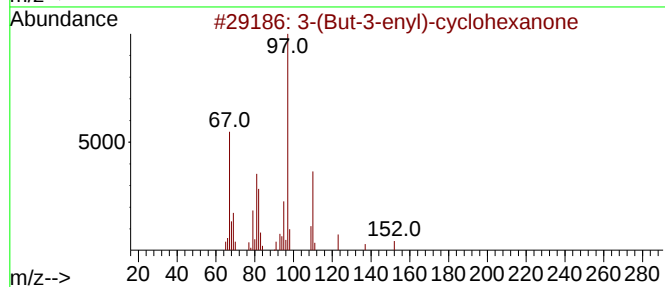
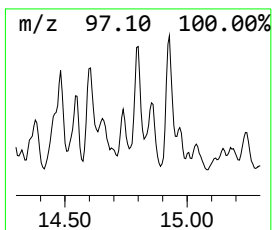
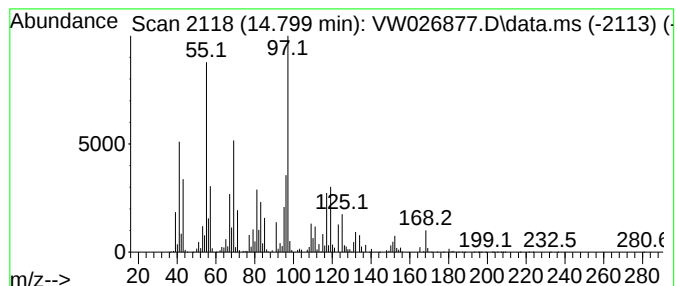
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Quant Title : SFAM01.0

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

Peak Number 60 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.799	72.12 ug/L	15936700	1,4-Dichlorobenzene-d4	13.531

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	43
2		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	43
3		3-(2-Hydroxy-cyclopentylidene)-2-methyl-propion	170	C9H14O3	1000190-70-8	38
4		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	38
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

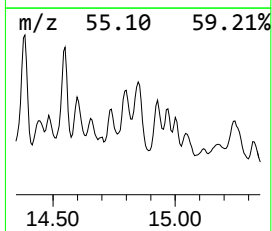
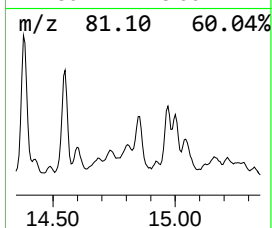
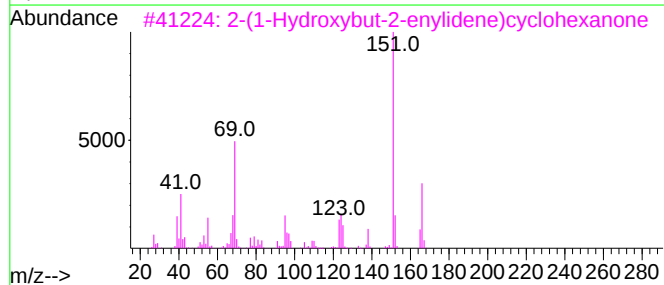
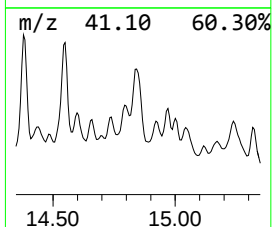
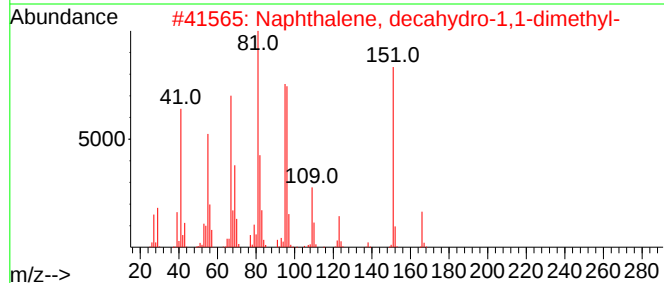
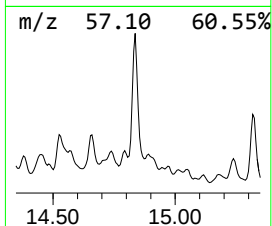
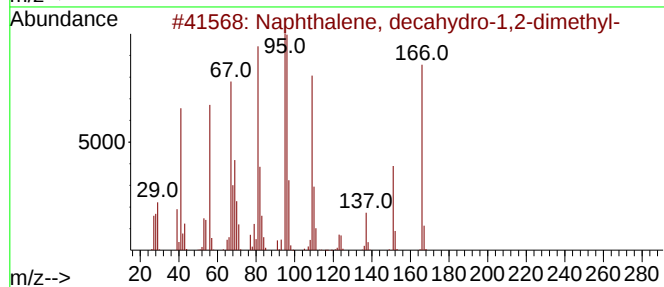
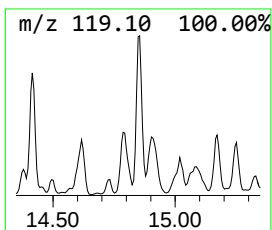
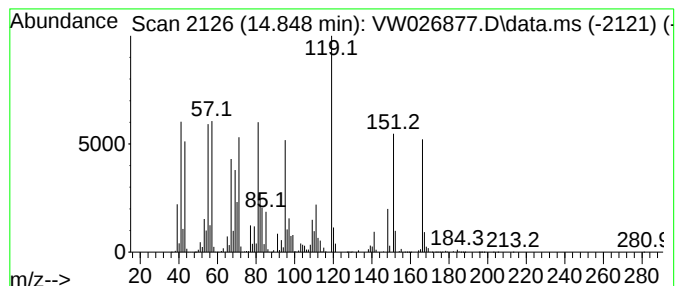
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Quant Title : SFAM01.0

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

Peak Number 61 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.848	147.67 ug/L	32630300	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	35
2			Naphthalene, decahydro-1,1-dimet...	166	C12H22	035431-04-0	30
3			2-(1-Hydroxybut-2-enylidene)cycl...	166	C10H14O2	1000186-18-9	30
4			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	30
5			Cyclohexane, (2-ethyl-1-methyl-1...	180	C13H24	074810-42-7	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

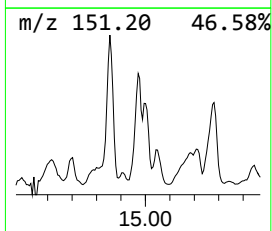
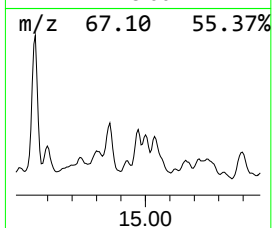
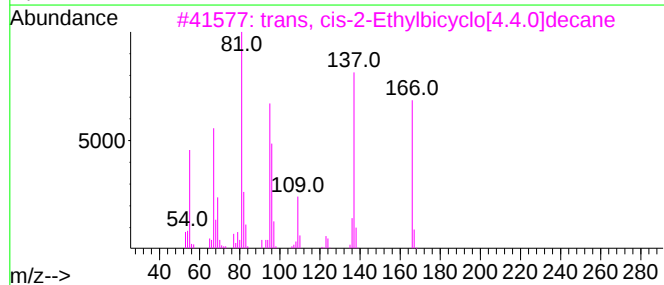
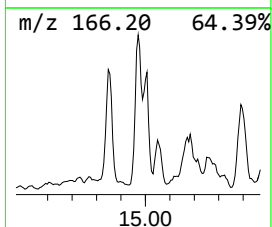
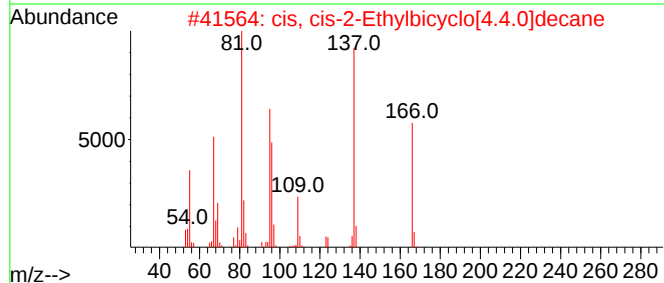
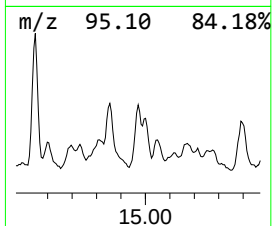
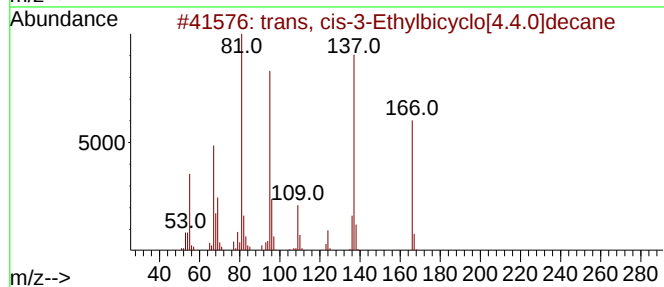
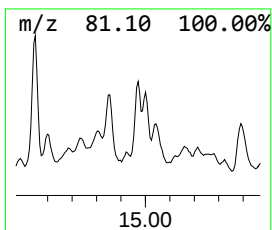
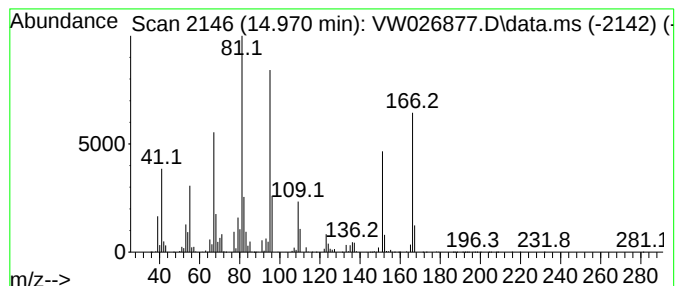
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Quant Title : SFAM01.0

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

Peak Number 62 trans, cis-3-Ethylbicyclo[4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.970	44.29 ug/L	9787660	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	87
2			cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	81
3			trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	74
4			Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	60
5			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

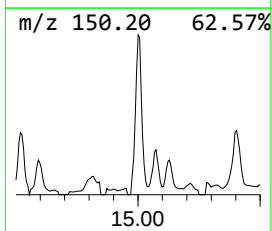
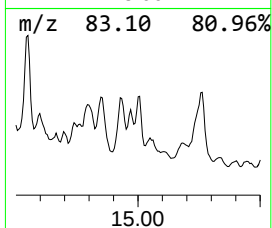
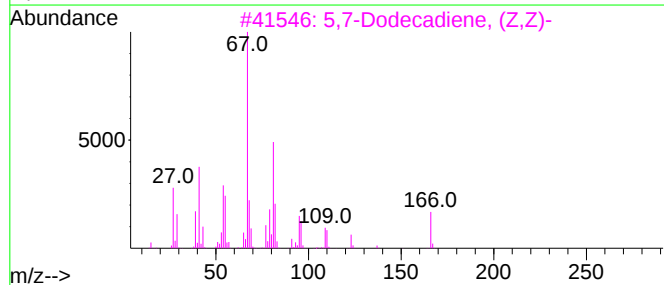
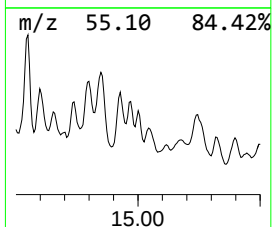
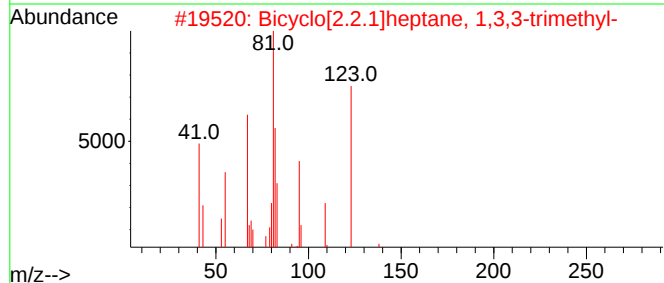
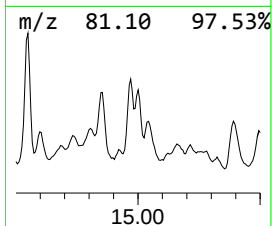
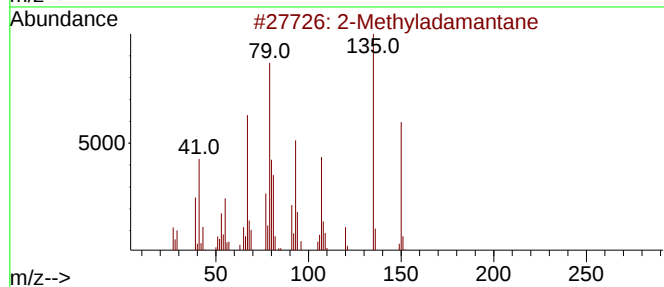
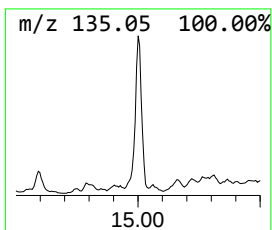
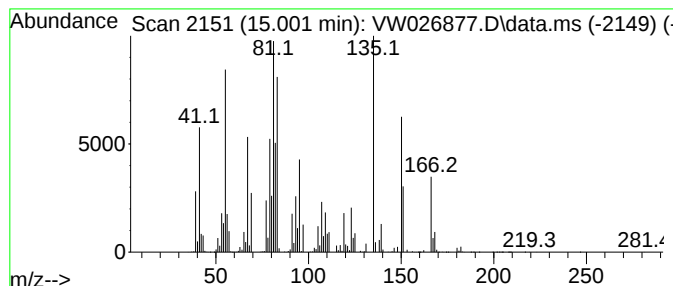
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MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 63 unknown-07 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.001	29.05 ug/L	6419690	1,4-Dichlorobenzene-d4	13.531	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyladamantane	150	C11H18	000700-56-1	35
2	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	30
3	5,7-Dodecadiene, (Z,Z)-	166	C12H22	006108-62-9	27
4	1,5-Octadiene, 7-methyl-3-(1-met...	166	C12H22	074630-12-9	22
5	7-Propyl-cis-bicyclo[3.2.0]hept-...	150	C10H14O	054396-45-1	20



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

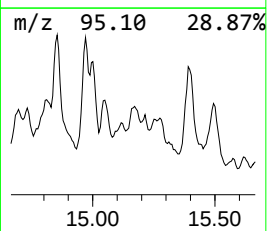
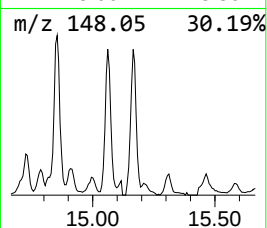
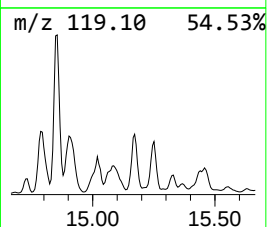
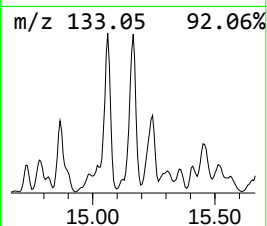
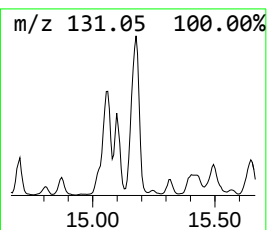
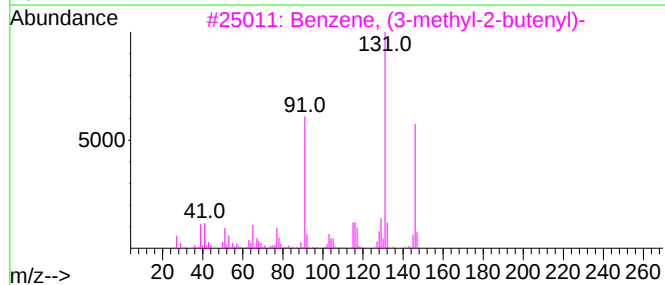
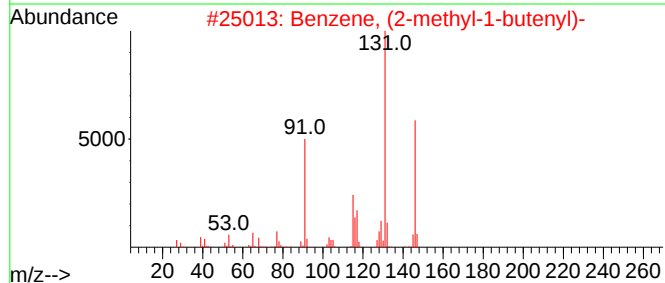
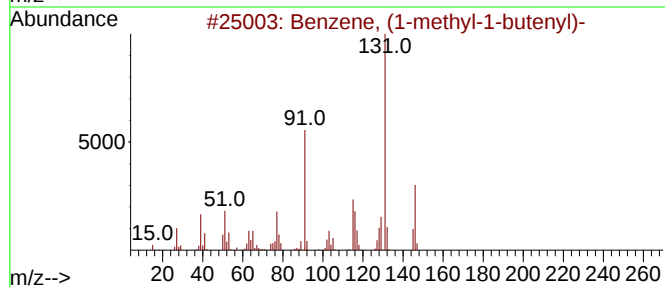
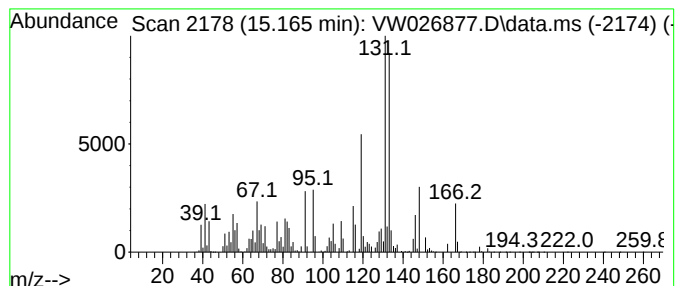
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Quant Title : SFAM01.0

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

Peak Number 64 Benzene, (1-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	44.97 ug/L	9936730	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	74
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4			Benzene, 1-(chloromethyl)-4-(2-p...	166	C10H11Cl	036875-10-2	56
5			2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

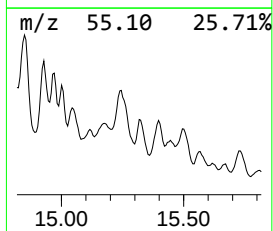
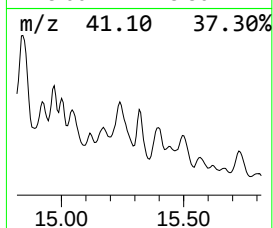
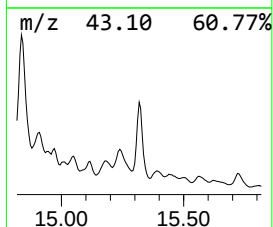
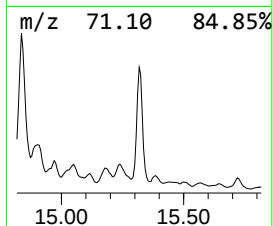
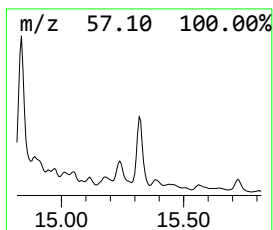
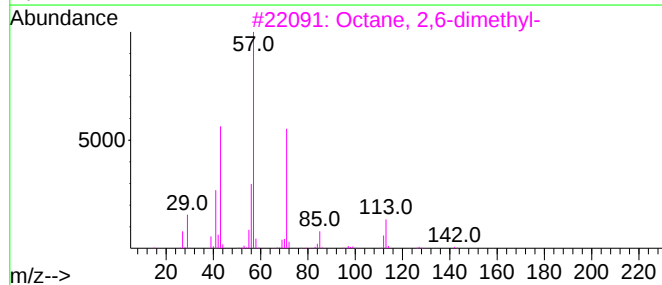
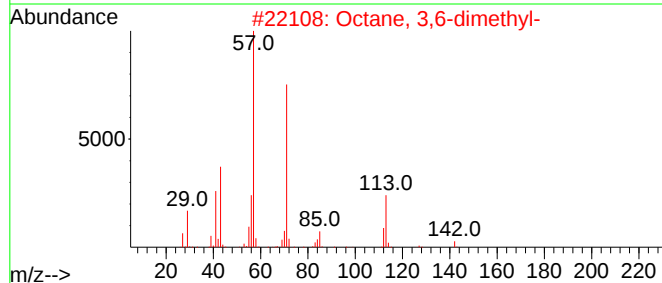
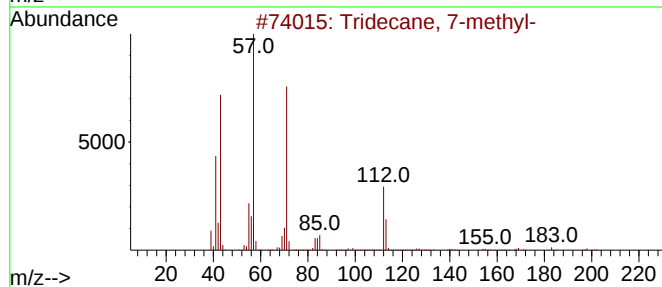
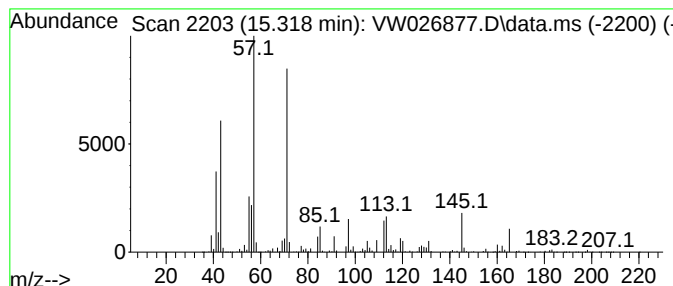
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Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	56.03 ug/L	12380300	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

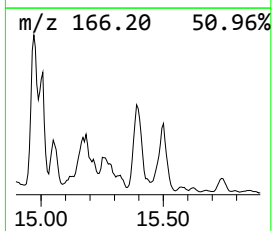
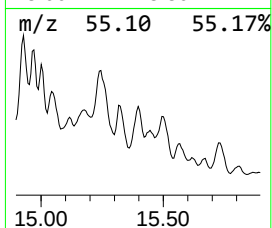
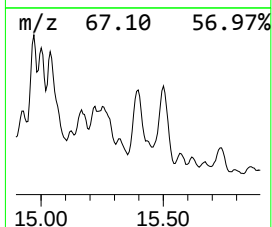
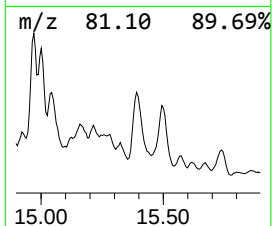
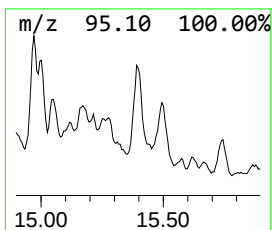
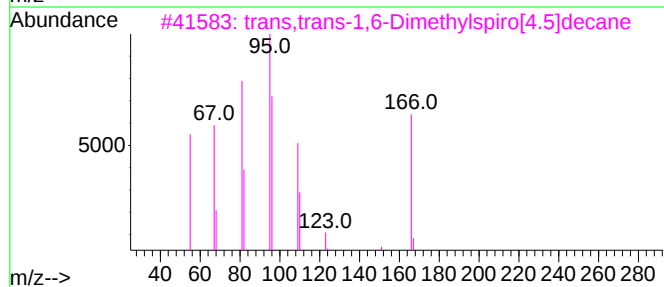
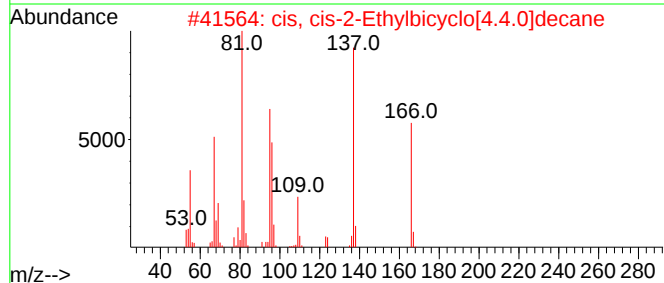
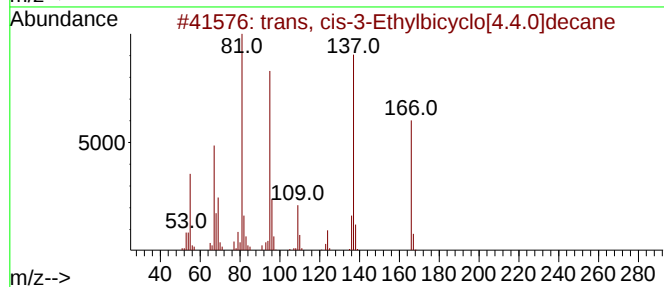
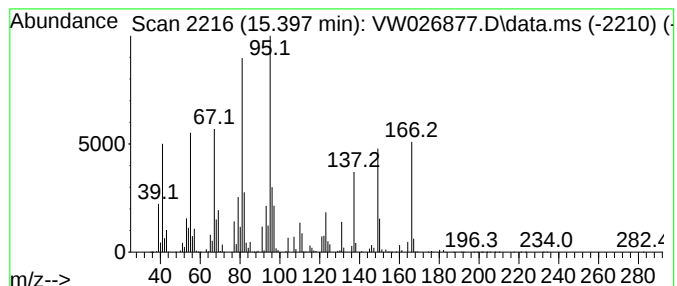
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Quant Title : SFAM01.0

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

Peak Number 66 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.397	66.56 ug/L	14708100	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	58
2			cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	47
3			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	46
4			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	43
5			cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

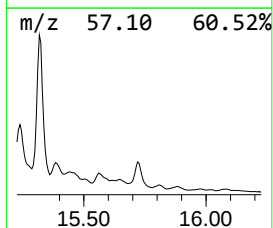
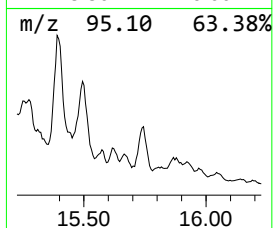
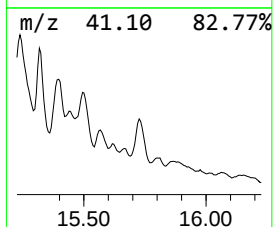
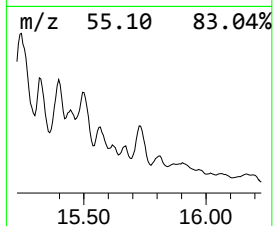
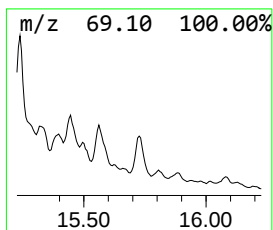
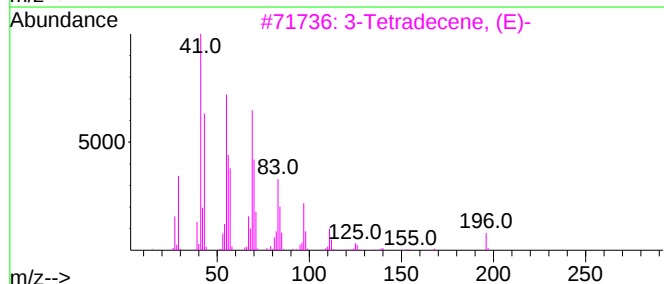
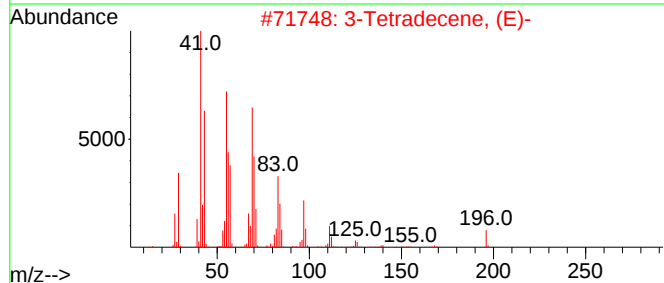
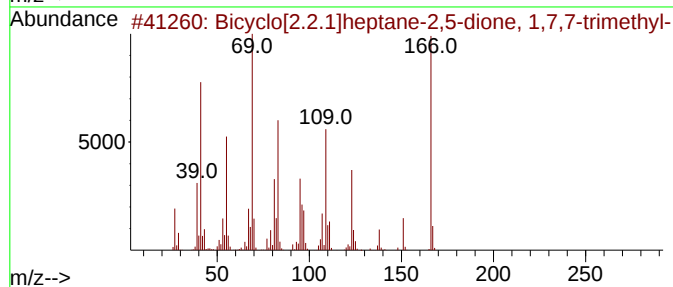
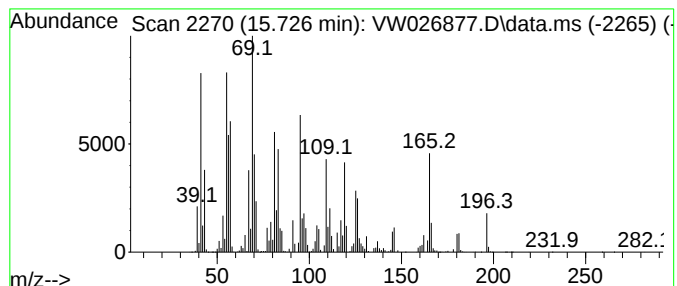
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 67 unknown-09

Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.726	42.03 ug/L	9288120	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	43
2			3-Tetradecene, (E)-	196	C14H28	041446-68-8	38
3			3-Tetradecene, (E)-	196	C14H28	041446-68-8	38
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	30
5			4-Nonene, 5-methyl-	140	C10H20	015918-07-7	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
Data File : VW026877.D
Acq On : 25 Aug 2023 01:41
Operator : SY/MD
Sample : 04113-16
Misc : 8.13g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYJ2

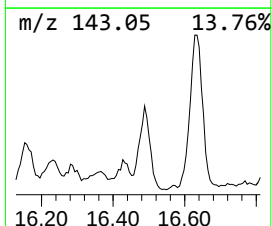
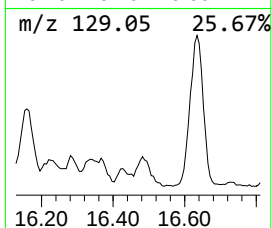
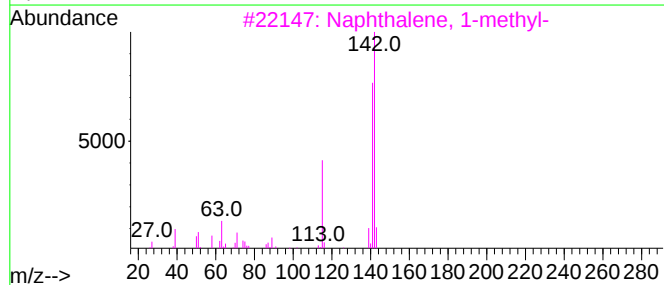
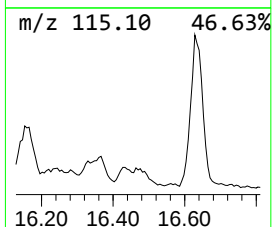
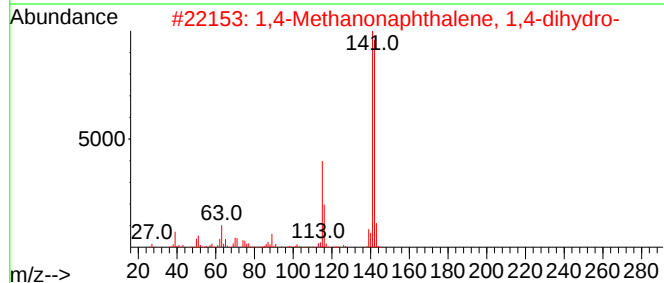
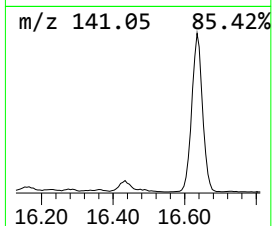
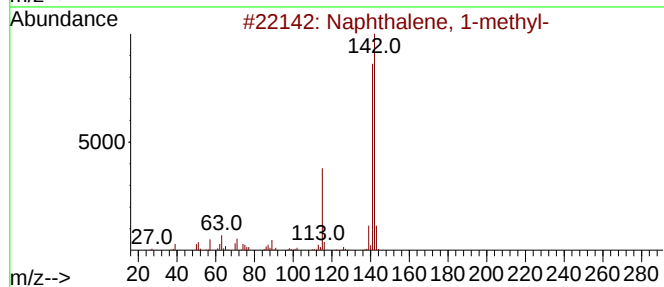
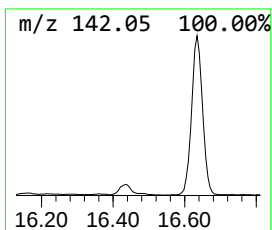
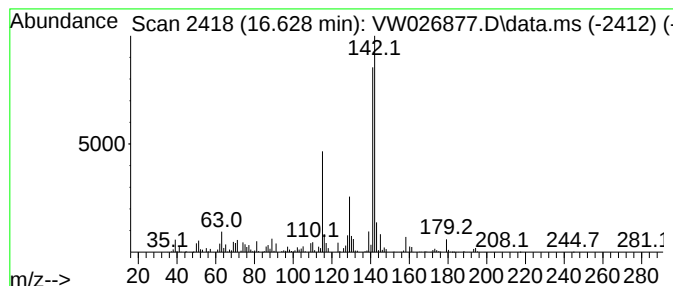
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Quant Title : SFAM01.0

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

Peak Number 68 1,4-Methanonaphthalene, 1,4... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.628	16.81 ug/L	3713770	1,4-Dichlorobenzene-d4	13.531

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
 Data File : VW026877.D
 Acq On : 25 Aug 2023 01:41
 Operator : SY/MD
 Sample : 04113-16
 Misc : 8.13g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZJ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.935	1.3	ug/L	59477	1	8.843	1159260	25.0
(DEL) Alkane: C...	6.984	1.4	ug/L	65415	1	8.843	1159260	25.0
(DEL) Alkane: S...	8.032	1.9	ug/L	88722	1	8.843	1159260	25.0
(DEL) Alkane: S...	8.154	2.8	ug/L	129320	1	8.843	1159260	25.0
(DEL) Alkane: C...	8.429	1.8	ug/L	83396	1	8.843	1159260	25.0
(DEL) Alkane: S...	8.490	4.6	ug/L	213811	1	8.843	1159260	25.0
(DEL) Alkane: C...	8.575	2.7	ug/L	126428	1	8.843	1159260	25.0
(DEL) Alkane: S...	8.697	3.3	ug/L	151917	1	8.843	1159260	25.0
(DEL) Alkane: C...	9.514	1.3	ug/L	58083	1	8.843	1159260	25.0
(DEL) Alkane: C...	9.611	4.1	ug/L	191221	1	8.843	1159260	25.0
(DEL) Alkane: C...	9.752	7.1	ug/L	328662	1	8.843	1159260	25.0
(DEL) Alkane: S...	9.898	3.6	ug/L	166222	1	8.843	1159260	25.0
(DEL) Alkane: S...	9.953	7.3	ug/L	338174	1	8.843	1159260	25.0
(DEL) Alkane: S...	10.093	12.5	ug/L	580102	1	8.843	1159260	25.0
unknown-01	10.215	1.3	ug/L	60254	1	8.843	1159260	25.0
(DEL) Alkane: S...	10.245	2.3	ug/L	97220	2	11.629	1061240	25.0
(DEL) Alkane: C...	10.447	1.8	ug/L	75015	2	11.629	1061240	25.0
(DEL) Alkane: C...	10.501	19.1	ug/L	812699	2	11.629	1061240	25.0
(DEL) Alkane: C...	10.666	23.2	ug/L	985095	2	11.629	1061240	25.0
(DEL) Alkane: C...	10.764	19.5	ug/L	827717	2	11.629	1061240	25.0
(DEL) Alkane: S...	10.843	6.9	ug/L	293212	2	11.629	1061240	25.0
(DEL) Alkane: S...	11.032	22.6	ug/L	961562	2	11.629	1061240	25.0
(DEL) Alkane: C...	11.111	12.6	ug/L	534790	2	11.629	1061240	25.0
(DEL) Alkane: C...	11.172	21.6	ug/L	919013	2	11.629	1061240	25.0
(DEL) Alkane: C...	11.233	75.5	ug/L	3202900	2	11.629	1061240	25.0
(DEL) Alkane: C...	11.288	13.1	ug/L	553894	2	11.629	1061240	25.0
(DEL) Alkane: S...	11.337	23.8	ug/L	1009770	2	11.629	1061240	25.0
(DEL) Alkane: C...	11.434	99.6	ug/L	4229210	2	11.629	1061240	25.0
(DEL) Alkane: S...	11.507	28.3	ug/L	1200610	2	11.629	1061240	25.0
(DEL) Alkane: S...	11.977	32.6	ug/L	1386000	2	11.629	1061240	25.0
(DEL) Alkane: S...	12.056	41.2	ug/L	1747330	2	11.629	1061240	25.0
(DEL) Alkane: S...	12.251	199.9	ug/L	8483890	2	11.629	1061240	25.0
1H-Indene, octa...	12.336	377.9	ug/L	16041800	2	11.629	1061240	25.0
(DEL) Alkane: C...	12.452	104.6	ug/L	4441400	2	11.629	1061240	25.0
1-Pentanol, 2-e...	12.501	21.0	ug/L	893291	2	11.629	1061240	25.0
(DEL) Alkane: C...	12.617	9.9	ug/L	2184930	3	13.531	5524330	25.0
(DEL) Alkane: S...	12.745	12.5	ug/L	2763530	3	13.531	5524330	25.0
(DEL) Alkane: C...	12.781	75.0	ug/L	16576300	3	13.531	5524330	25.0
Furfuryl glycid...	12.861	45.4	ug/L	10034300	3	13.531	5524330	25.0
(DEL) Alkane: S...	13.074	35.5	ug/L	7840370	3	13.531	5524330	25.0
Sulfurous acid,...	13.123	17.7	ug/L	3901560	3	13.531	5524330	25.0
(DEL) Alkane: S...	13.166	67.8	ug/L	14972100	3	13.531	5524330	25.0
(DEL) Alkane: S...	13.342	24.0	ug/L	5305310	3	13.531	5524330	25.0
Dihydromyrcenol...	13.440	59.1	ug/L	13071500	3	13.531	5524330	25.0
(2,4-Dimethylcy...	13.623	20.2	ug/L	4469940	3	13.531	5524330	25.0
(DEL) Alkane: C...	13.696	61.9	ug/L	13684700	3	13.531	5524330	25.0
unknown-02	13.739	19.4	ug/L	4284670	3	13.531	5524330	25.0
(DEL) Alkane: S...	13.928	15.9	ug/L	3501510	3	13.531	5524330	25.0
unknown-03	13.976	32.5	ug/L	7183090	3	13.531	5524330	25.0
(DEL) Alkane: S...	14.190	39.6	ug/L	8747570	3	13.531	5524330	25.0
8-Oxabicyclo[5...	14.263	55.9	ug/L	12346800	3	13.531	5524330	25.0
Cyclohexene, 1-...	14.318	32.4	ug/L	7168180	3	13.531	5524330	25.0

Naphthalene, de...	14.385	179.6	ug/L	39686000	3	13.531	5524330	25.0
1-Methyldecahyd...	14.550	178.3	ug/L	39394000	3	13.531	5524330	25.0
unknown-04	14.598	44.9	ug/L	9912850	3	13.531	5524330	25.0
7-Oxabicyclo[4...	14.738	28.9	ug/L	6395440	3	13.531	5524330	25.0
unknown-05	14.799	72.1	ug/L	15936700	3	13.531	5524330	25.0
unknown-06	14.848	147.7	ug/L	32630300	3	13.531	5524330	25.0
trans, cis-3-Et...	14.970	44.3	ug/L	9787660	3	13.531	5524330	25.0
unknown-07	15.001	29.1	ug/L	6419690	3	13.531	5524330	25.0
Benzene, (1-met...	15.165	45.0	ug/L	9936730	3	13.531	5524330	25.0
(DEL) Alkane: S...	15.318	56.0	ug/L	12380300	3	13.531	5524330	25.0
unknown-08	15.397	66.6	ug/L	14708100	3	13.531	5524330	25.0
unknown-09	15.726	42.0	ug/L	9288120	3	13.531	5524330	25.0
1,4-Methanonaph...	16.628	16.8	ug/L	3713770	3	13.531	5524330	25.0

Instrument :

MSVOA_W

ClientSampleId :

EZYJ2