

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
 Data File : VW020380.D
 Acq On : 07 Oct 2021 23:48
 Operator : SY/VA
 Sample : M4070-07
 Misc : 4.49g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7E0

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\SFAMWLM100621SMA.M

Title : SFAM01.0

Signal : TIC: VW020380.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	7	9	19	rVB2	15603	24589	0.18%	0.050%
2	2.349	65	73	81	rVB	66898	110262	0.81%	0.224%
3	2.879	153	160	169	rVB	26515	51698	0.38%	0.105%
4	4.013	335	346	357	rBV	81351	223885	1.64%	0.456%
5	4.129	357	365	378	rVV	24396	66921	0.49%	0.136%
6	4.915	483	494	508	rBV3	22296	71466	0.52%	0.145%
7	7.086	841	850	858	rVV	16905	47994	0.35%	0.098%
8	7.177	858	865	881	rVB	10208	30567	0.22%	0.062%
9	7.653	931	943	958	rBV	115912	284591	2.09%	0.579%
10	7.872	970	979	986	rBV2	15053	40991	0.30%	0.083%
11	8.159	1016	1026	1033	rBV3	9220	21352	0.16%	0.043%
12	8.281	1033	1046	1059	rBV2	222371	651011	4.78%	1.325%
13	8.427	1062	1070	1078	rBV6	6895	22686	0.17%	0.046%
14	8.573	1089	1094	1108	rVB4	8398	24232	0.18%	0.049%
15	8.842	1130	1138	1150	rBV	226701	453407	3.33%	0.923%
16	9.274	1199	1209	1215	rBV	164470	349063	2.56%	0.711%
17	9.335	1215	1219	1225	rVV	61585	123486	0.91%	0.251%
18	9.610	1254	1264	1271	rVB2	16888	42256	0.31%	0.086%
19	9.750	1280	1287	1300	rVB2	29053	59891	0.44%	0.122%
20	9.896	1304	1311	1315	rBV	19768	38000	0.28%	0.077%
21	9.957	1315	1321	1325	rBV2	52178	96502	0.71%	0.196%
22	10.037	1330	1334	1338	rVV	55797	85960	0.63%	0.175%
23	10.097	1338	1344	1357	rVB2	78839	219062	1.61%	0.446%
24	10.213	1357	1363	1366	rBV2	12431	25316	0.19%	0.052%
25	10.323	1373	1381	1386	rBV	598922	1124578	8.26%	2.289%
26	10.390	1390	1392	1398	rVB	113896	144178	1.06%	0.293%
27	10.445	1398	1401	1404	rBV2	10712	16770	0.12%	0.034%
28	10.506	1404	1411	1418	rVB5	171083	368324	2.70%	0.750%
29	10.585	1418	1424	1427	rBV2	41041	80489	0.59%	0.164%
30	10.664	1432	1437	1446	rVB	316164	568331	4.17%	1.157%
31	10.762	1446	1453	1463	rBV2	263794	524845	3.85%	1.068%
32	10.860	1463	1469	1475	rBV3	134236	251941	1.85%	0.513%
33	10.933	1475	1481	1487	rVB2	117127	226053	1.66%	0.460%
34	11.000	1487	1492	1494	rBV	17017	29597	0.22%	0.060%
35	11.036	1494	1498	1505	rVB2	45474	93265	0.68%	0.190%
36	11.109	1505	1510	1513	rBV2	113403	202145	1.48%	0.411%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Title : SFAM01.0

37	11.146	1513	1516	1518	rVV	182699	281963	2.07%	0.574%
38	11.177	1518	1521	1526	rVV	398948	640651	4.70%	1.304%
39	11.231	1526	1530	1535	rVB	292517	477290	3.50%	0.972%
40	11.286	1535	1539	1542	rVB	35456	43671	0.32%	0.089%

41	11.335	1542	1547	1551	rBV2	95702	153973	1.13%	0.313%
42	11.433	1551	1563	1571	rVB3	205012	656241	4.82%	1.336%
43	11.512	1571	1576	1581	rBV	120903	180207	1.32%	0.367%
44	11.555	1581	1583	1589	rVB5	13399	19357	0.14%	0.039%
45	11.634	1589	1596	1605	rBV	223373	405276	2.98%	0.825%

46	11.731	1605	1612	1621	rBV	1327529	2295589	16.85%	4.673%
47	11.835	1621	1629	1647	rVB	7485907	13619759	100.00%	27.725%
48	11.975	1647	1652	1658	rBV3	21024	41683	0.31%	0.085%
49	12.042	1658	1663	1671	rVB4	35271	77794	0.57%	0.158%
50	12.164	1671	1683	1691	rBV	3634419	6234528	45.78%	12.691%

51	12.250	1691	1697	1701	rVB2	59577	123820	0.91%	0.252%
52	12.359	1701	1715	1722	rBV3	147522	581919	4.27%	1.185%
53	12.469	1727	1733	1742	rBV3	232672	454340	3.34%	0.925%
54	12.542	1742	1745	1747	rBV2	20122	23173	0.17%	0.047%
55	12.567	1747	1749	1753	rVB2	56101	64131	0.47%	0.131%

56	12.615	1753	1757	1760	rBV4	22543	39678	0.29%	0.081%
57	12.652	1760	1763	1765	rBV	27895	30818	0.23%	0.063%
58	12.695	1765	1770	1779	rBV3	112337	253042	1.86%	0.515%
59	12.780	1779	1784	1792	rVB2	199007	443957	3.26%	0.904%
60	12.865	1792	1798	1802	rBV	607711	1010946	7.42%	2.058%

61	12.902	1802	1804	1805	rVV	141656	149676	1.10%	0.305%
62	12.938	1805	1810	1817	rVB2	1120607	2038023	14.96%	4.149%
63	13.036	1823	1826	1829	rBV5	13716	18365	0.13%	0.037%
64	13.103	1829	1837	1843	rBV	357060	710118	5.21%	1.446%
65	13.164	1843	1847	1855	rVB3	208676	358667	2.63%	0.730%

66	13.249	1855	1861	1866	rBV	1359159	2088363	15.33%	4.251%
67	13.341	1873	1876	1879	rBV3	35459	54517	0.40%	0.111%
68	13.377	1879	1882	1886	rVB3	70679	99526	0.73%	0.203%
69	13.438	1886	1892	1897	rBV3	223353	466278	3.42%	0.949%
70	13.487	1897	1900	1904	rVB3	93748	126098	0.93%	0.257%

71	13.554	1907	1911	1912	rBV3	143410	166616	1.22%	0.339%
72	13.585	1912	1916	1920	rVB	431212	634044	4.66%	1.291%
73	13.621	1920	1922	1929	rVB4	86910	115863	0.85%	0.236%
74	13.700	1929	1935	1939	rBV4	89442	213212	1.57%	0.434%
75	13.749	1939	1943	1946	rBV2	129724	179650	1.32%	0.366%

76	13.786	1946	1949	1957	rVB2	297468	428228	3.14%	0.872%
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 Title : SFAM01.0

77	13.871	1957	1963	1969	rBV2	870818	1356614	9.96%	2.762%
78	13.944	1972	1975	1979	rVB	77236	99233	0.73%	0.202%
79	14.011	1982	1986	1988	rBV	181189	265519	1.95%	0.541%
80	14.091	1995	1999	2004	rVB	216452	313346	2.30%	0.638%
81	14.200	2011	2017	2022	rBV2	266056	447855	3.29%	0.912%
82	14.255	2022	2026	2033	rVB5	82168	205837	1.51%	0.419%
83	14.341	2033	2040	2043	rBV3	155365	309586	2.27%	0.630%
84	14.383	2043	2047	2050	rVV2	192006	324559	2.38%	0.661%
85	14.420	2050	2053	2056	rVV2	167192	273005	2.00%	0.556%
86	14.456	2056	2059	2063	rVB	277794	356251	2.62%	0.725%
87	14.499	2063	2066	2069	rVB	125080	147750	1.08%	0.301%
88	14.542	2069	2073	2080	rVB3	184562	338767	2.49%	0.690%
89	14.639	2081	2089	2093	rVB3	71522	139182	1.02%	0.283%
90	14.688	2093	2097	2098	rBV2	39546	52895	0.39%	0.108%
91	14.719	2098	2102	2108	rVB2	295819	474011	3.48%	0.965%
92	14.792	2108	2114	2121	rBV3	358403	762932	5.60%	1.553%
93	14.956	2138	2141	2146	rBV2	21189	33569	0.25%	0.068%
94	15.066	2154	2159	2162	rBV2	47505	85536	0.63%	0.174%
95	15.170	2171	2176	2184	rVB2	54805	108769	0.80%	0.221%
96	15.316	2195	2200	2205	rBV2	40374	66003	0.48%	0.134%
97	15.548	2234	2238	2248	rVB3	49416	99522	0.73%	0.203%
98	15.651	2248	2255	2262	rVB3	8599	26759	0.20%	0.054%
99	15.725	2262	2267	2273	rBV10	9861	20264	0.15%	0.041%
100	16.170	2331	2340	2351	rVB10	5634	19552	0.14%	0.040%

Sum of corrected areas: 49124070

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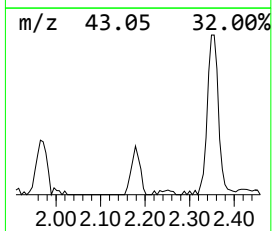
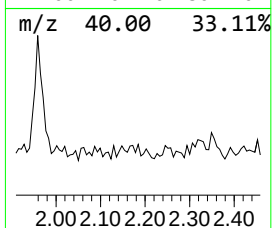
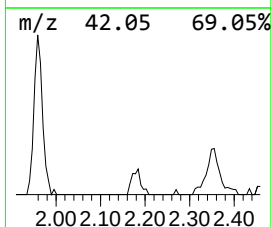
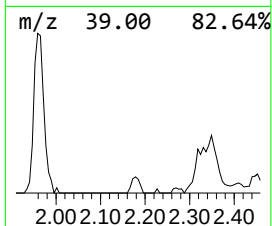
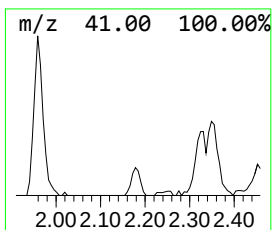
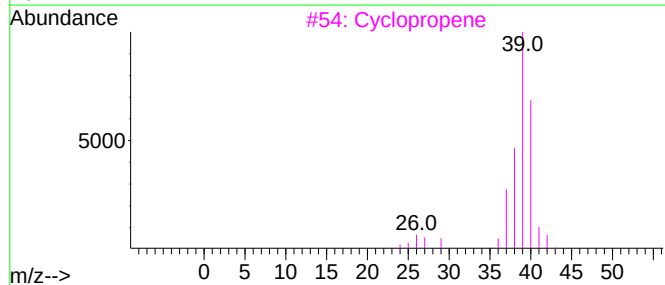
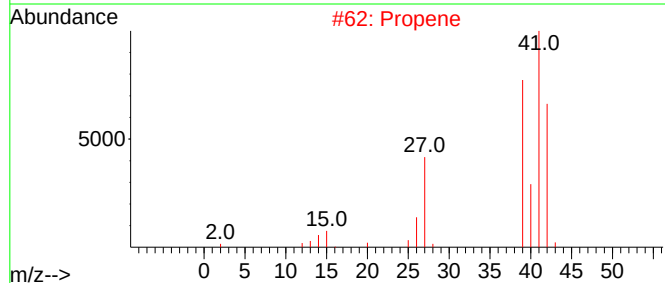
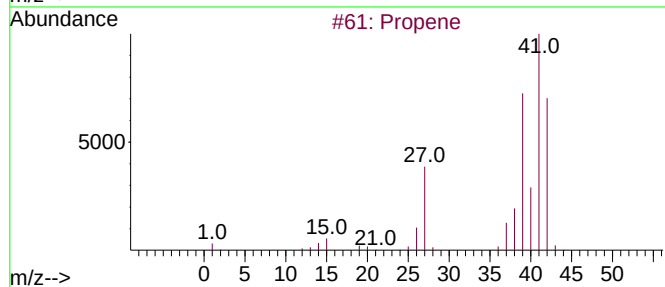
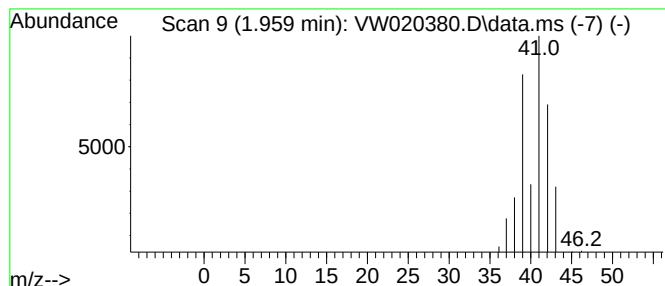
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.959	1.36 ug/L	24589	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Propene	42	C3H6	000115-07-1	45
3			Cyclopropene	40	C3H4	002781-85-3	10
4			Cyclopropane	42	C3H6	000075-19-4	4
5			Cyclopropane	42	C3H6	000075-19-4	4



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EW7E0

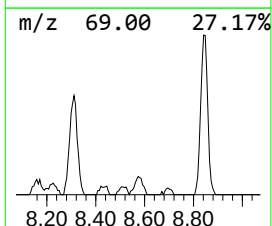
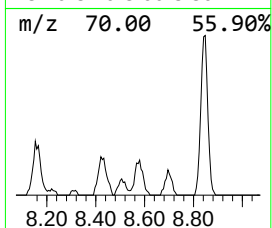
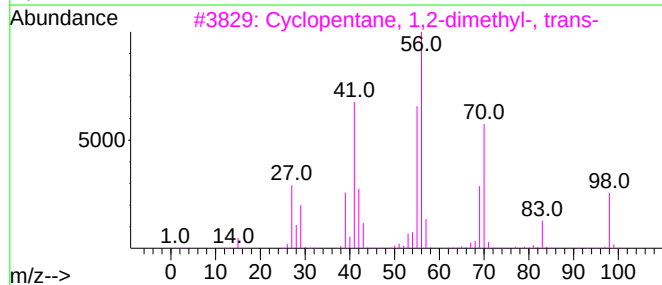
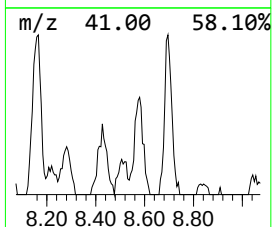
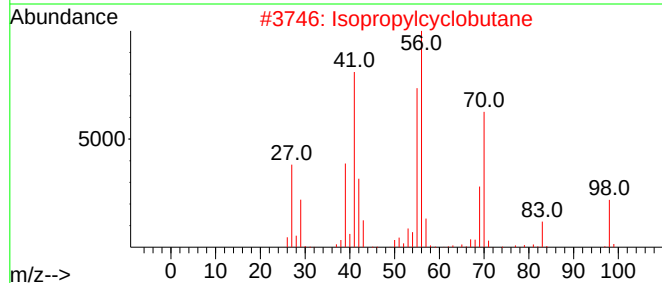
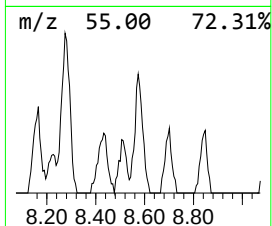
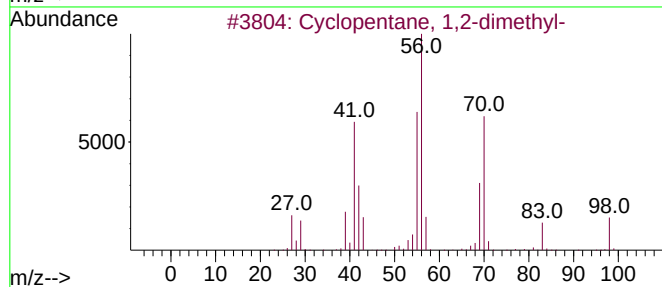
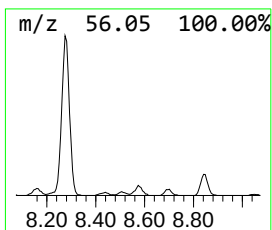
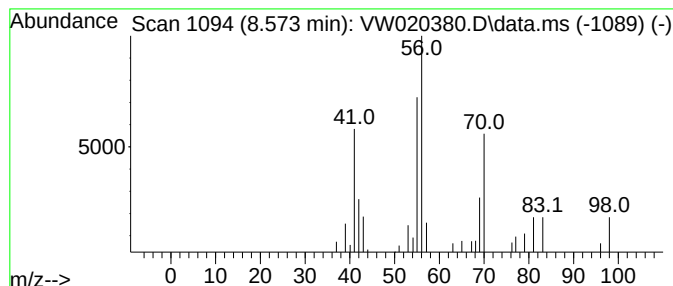
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic8.573 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	1.34 ug/L	24232	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	81
2			Isopropylcyclobutane	98	C7H14	000872-56-0	81
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	72
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
5			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64



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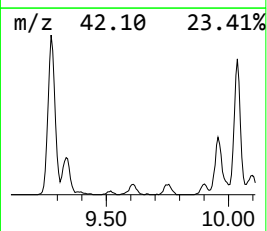
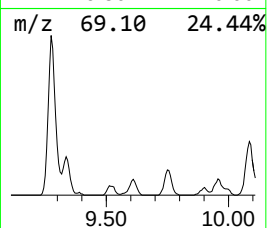
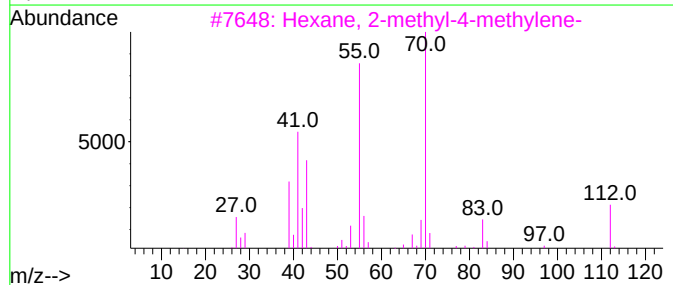
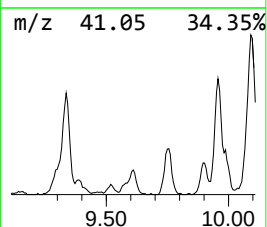
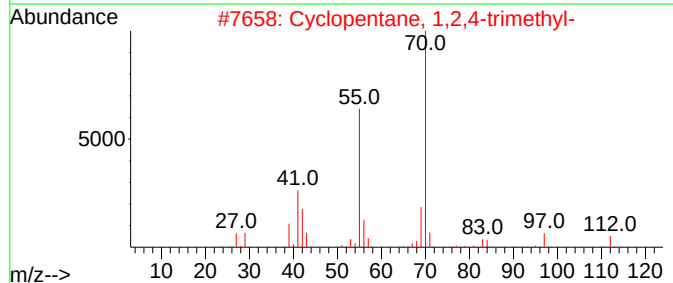
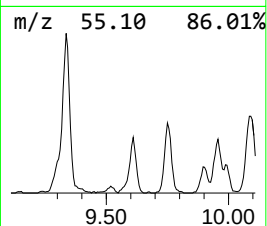
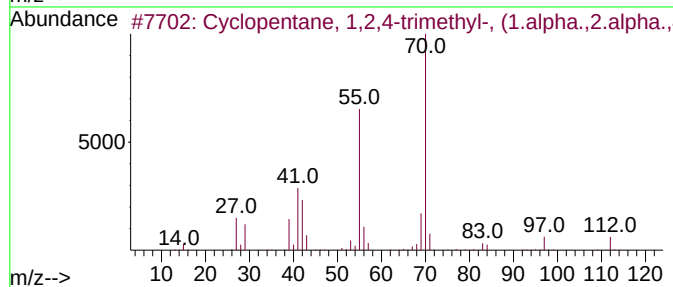
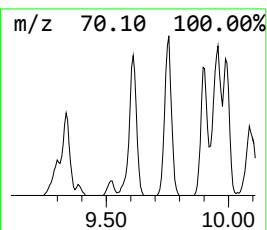
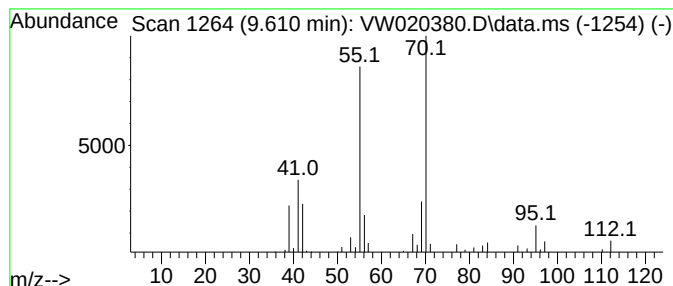
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic9.610 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	2.33 ug/L	42256	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	74
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72



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Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

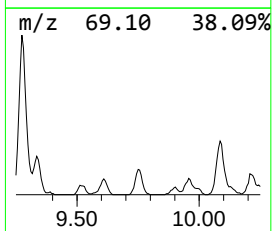
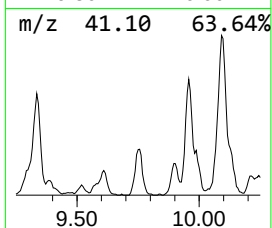
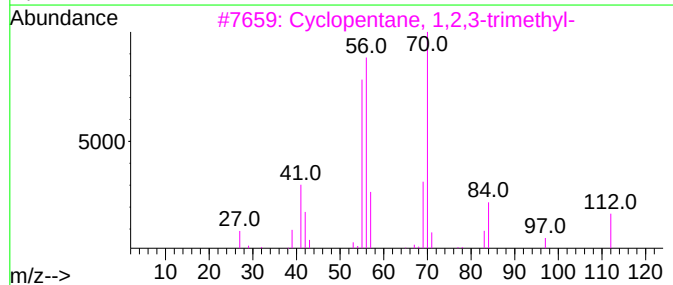
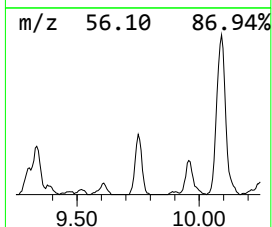
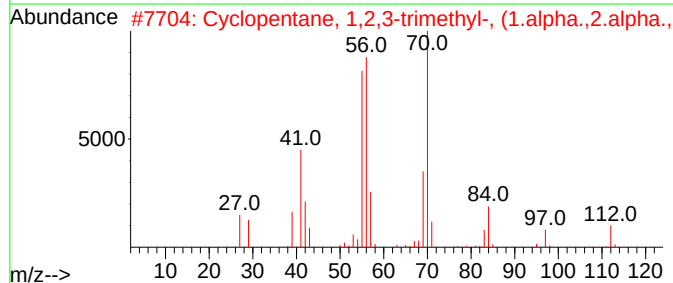
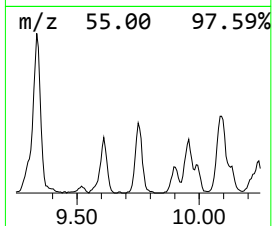
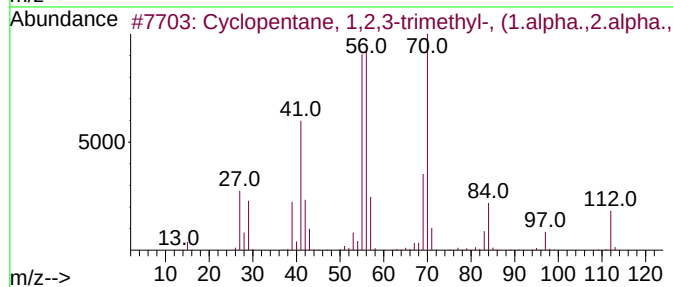
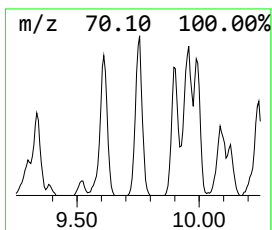
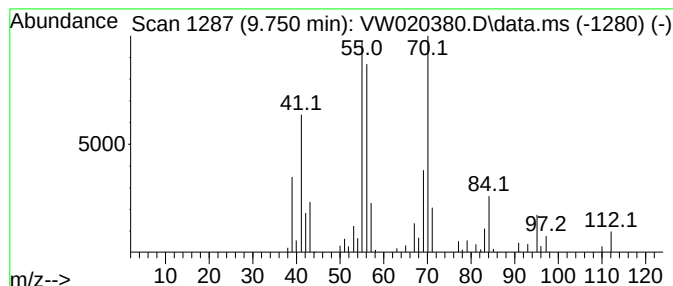
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic9.750 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	3.30 ug/L	59891	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	83
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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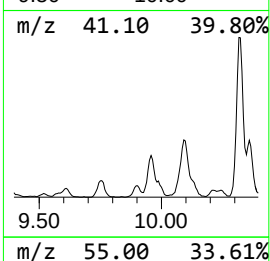
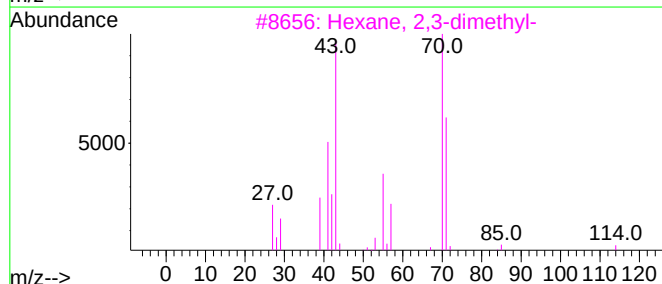
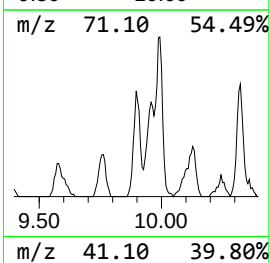
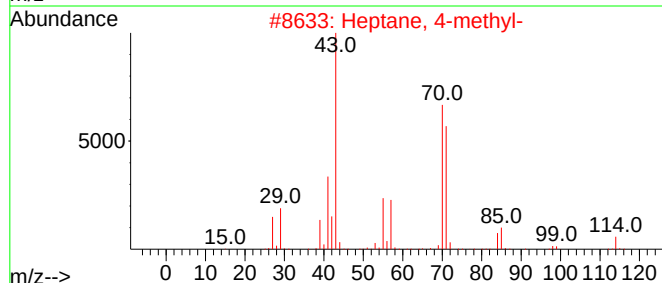
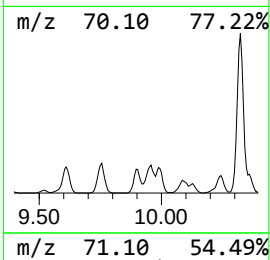
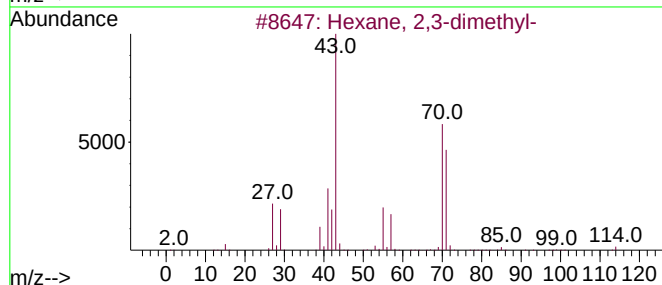
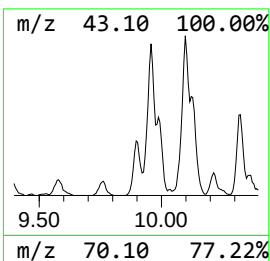
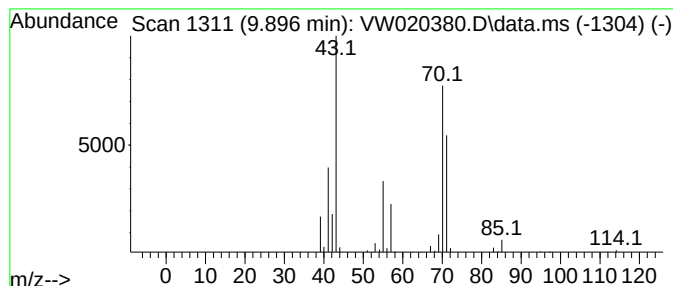
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	2.10 ug/L	38000	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	87
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

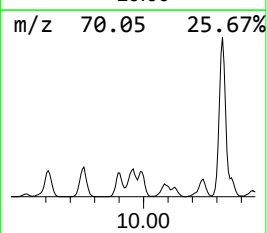
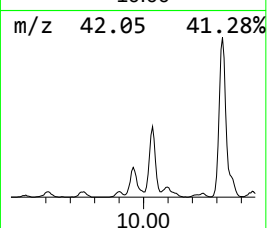
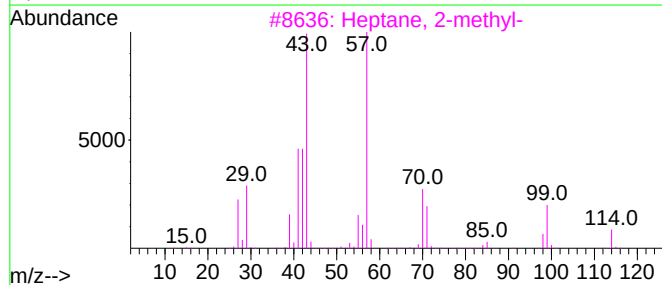
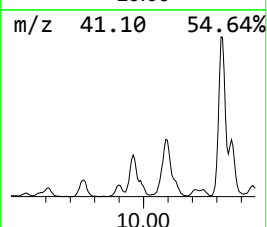
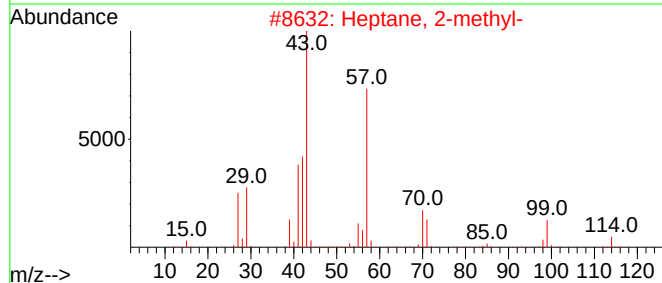
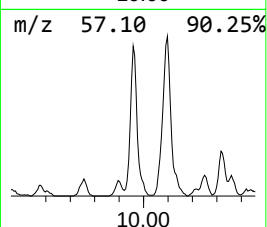
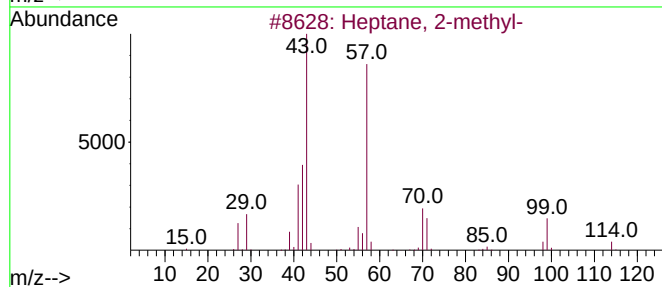
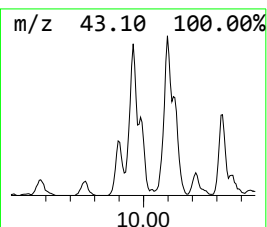
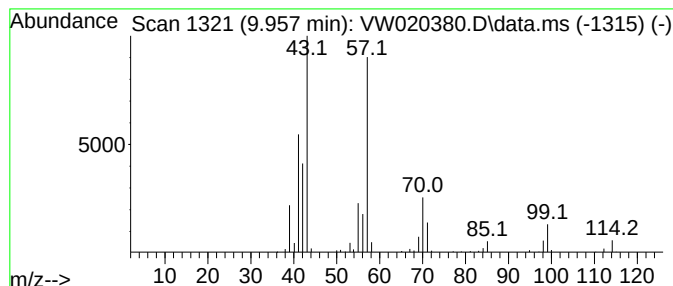
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	5.32 ug/L	96502	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	83
4			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
5			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

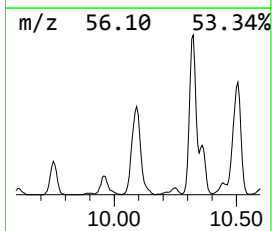
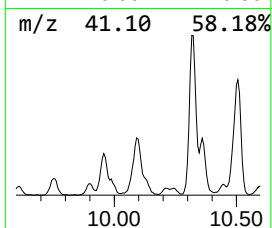
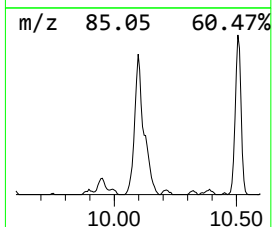
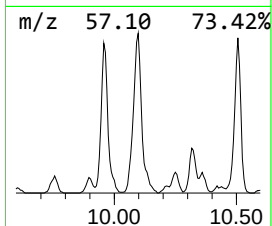
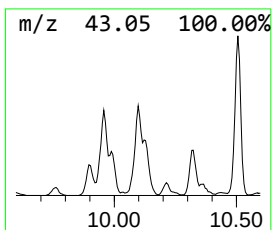
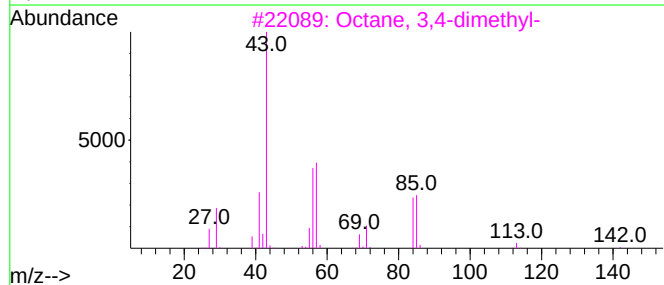
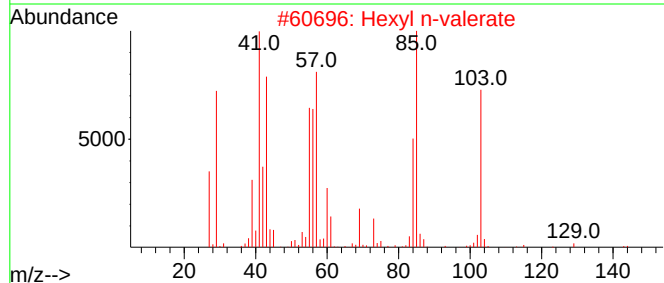
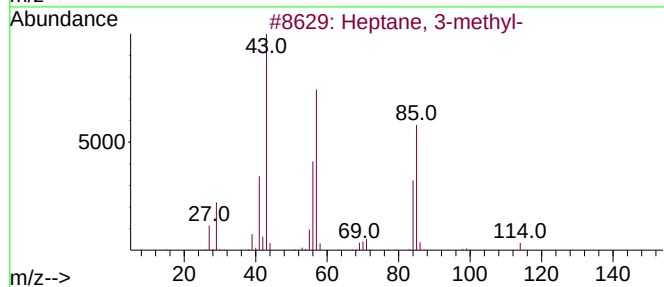
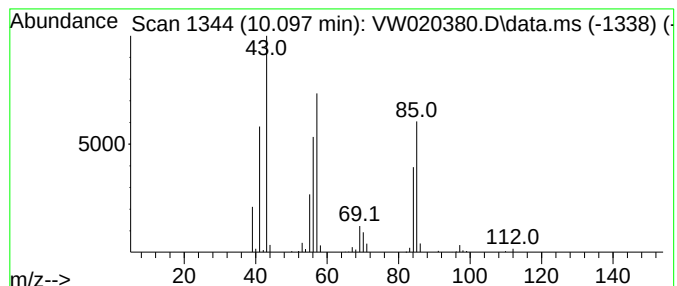
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.098	12.08 ug/L	219062	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2	Hexyl n-valerate	186	C11H22O2	001117-59-5	64
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	64
4	Nonane, 5-methyl-	142	C10H22	015869-85-9	64
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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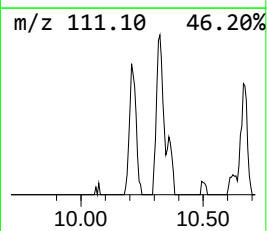
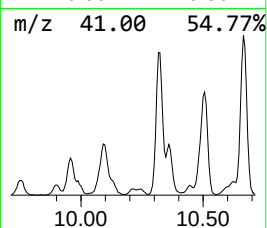
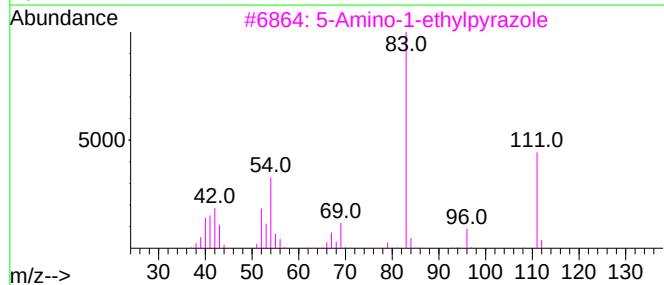
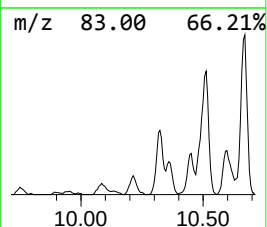
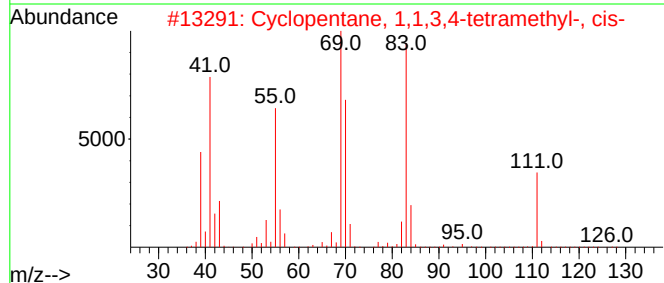
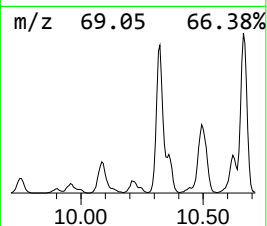
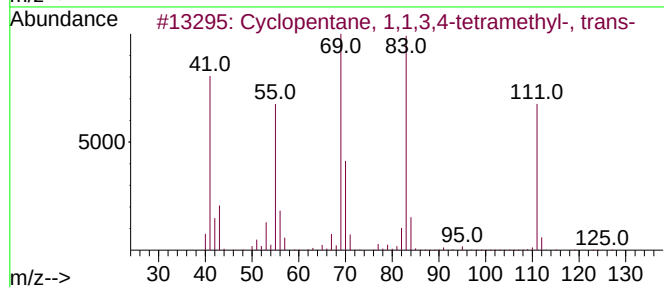
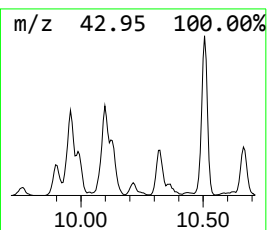
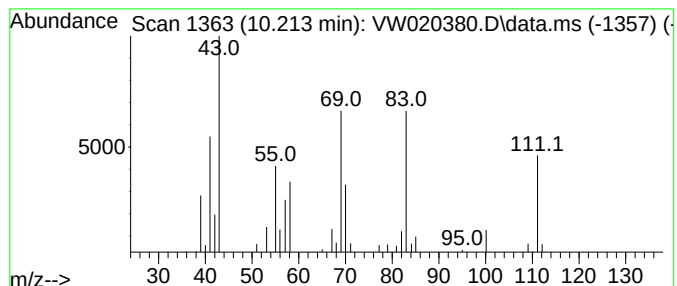
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic10.213 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.213	1.40 ug/L	25316	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	50
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	47
3			5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	43
4			3-Amino-2-cyclohexenone	111	C6H9NO	005220-49-5	38
5			Cyclopentaneacetic acid, ethenyl...	154	C9H14O2	045955-66-6	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

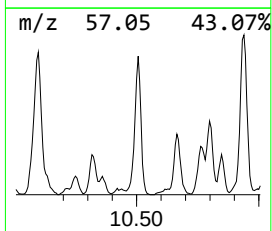
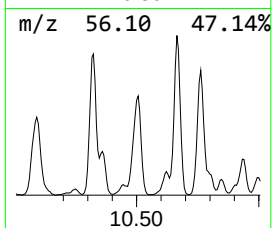
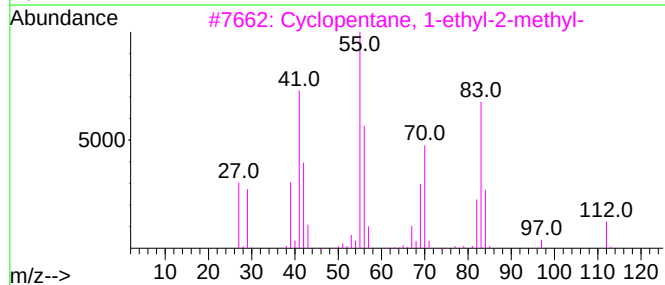
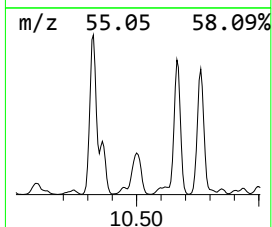
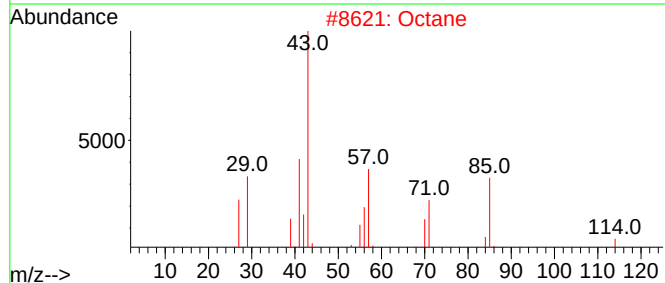
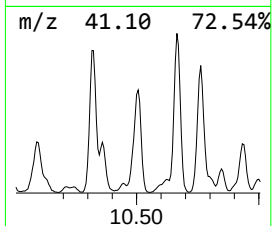
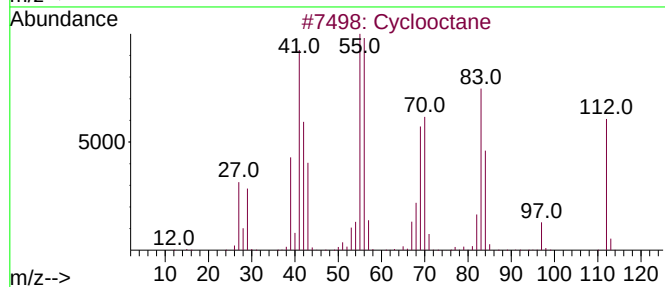
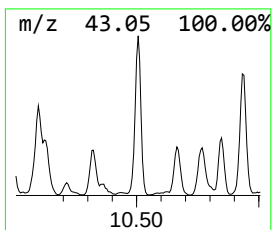
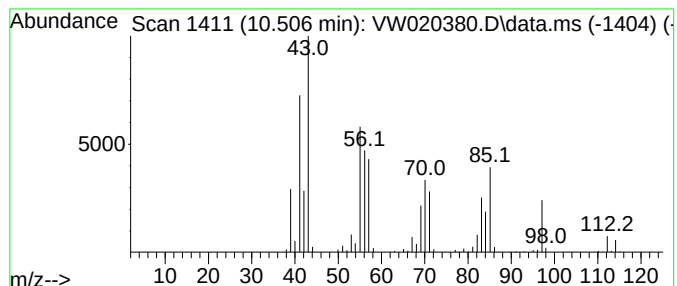
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic10.506 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.506	22.72 ug/L	368324	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclooctane		112	C8H16	000292-64-8	49
2	Octane		114	C8H18	000111-65-9	46
3	Cyclopentane, 1-ethyl-2-methyl-		112	C8H16	003726-46-3	43
4	1,2-Cyclohexanedione		112	C6H8O2	000765-87-7	43
5	Octane		114	C8H18	000111-65-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

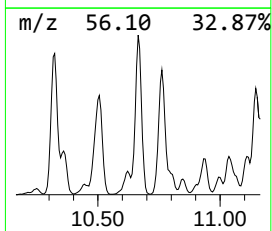
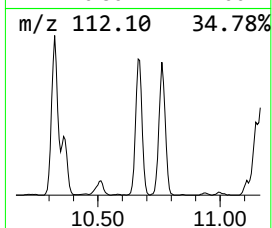
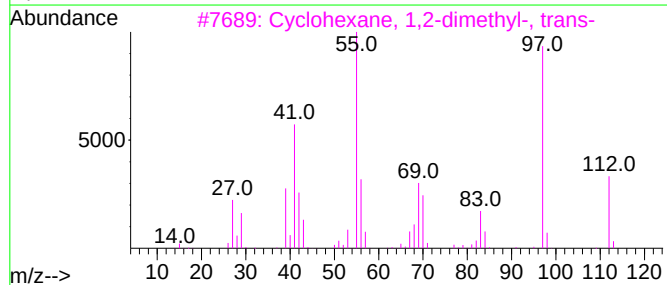
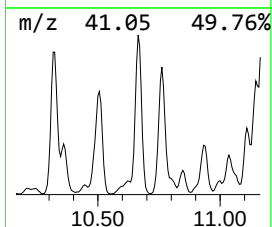
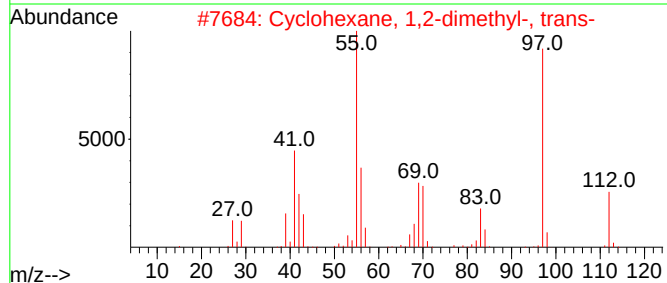
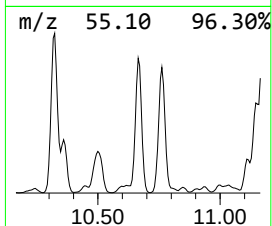
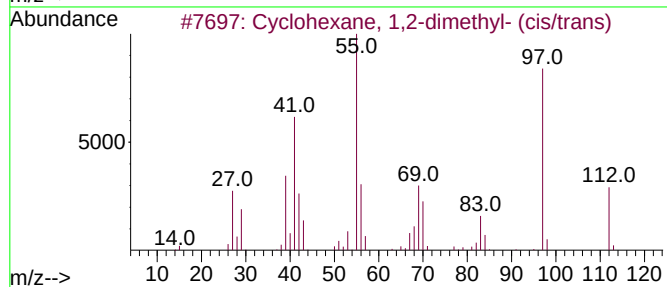
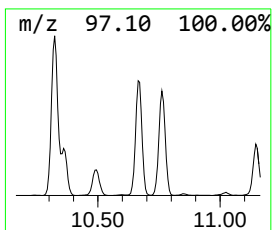
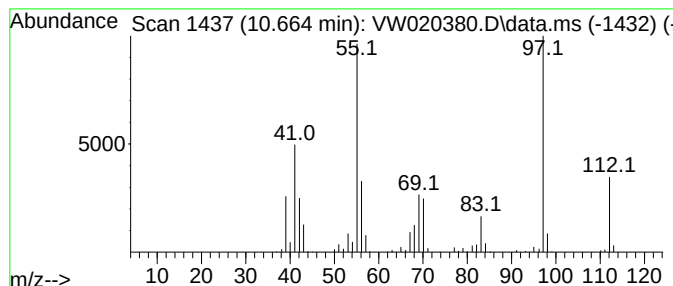
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic10.664 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	35.06 ug/L	568331	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

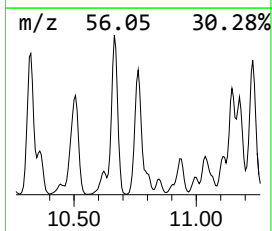
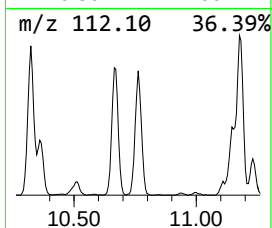
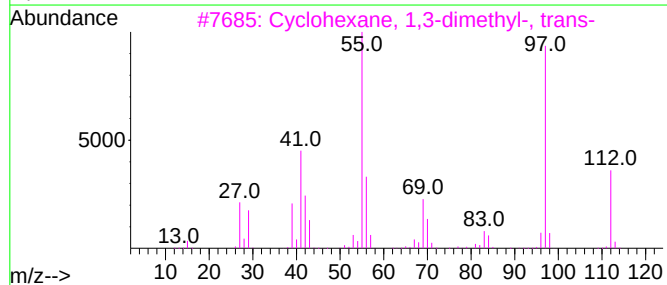
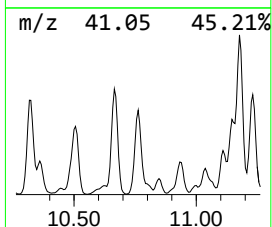
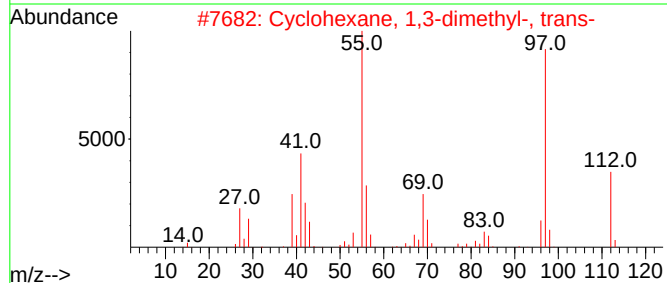
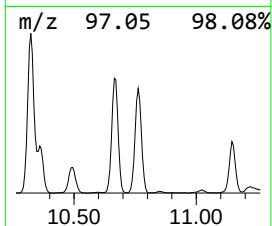
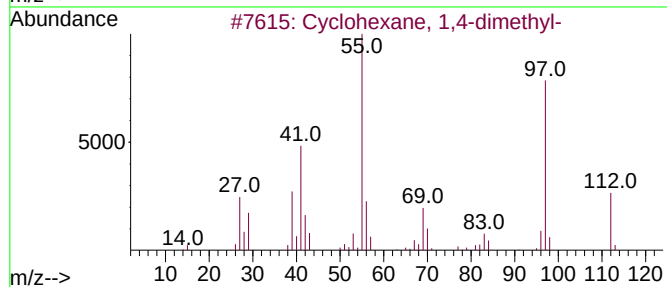
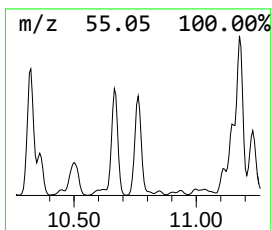
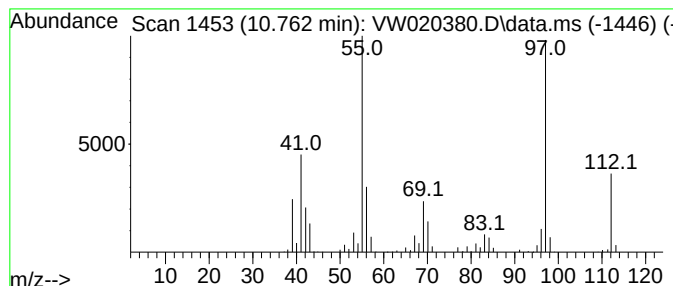
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic10.762 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	32.38 ug/L	524845	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	97
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

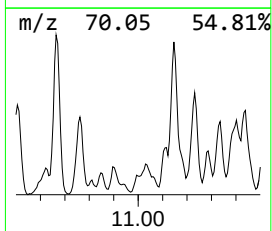
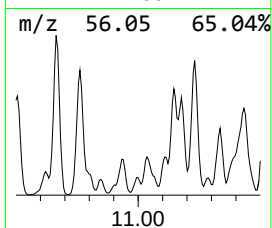
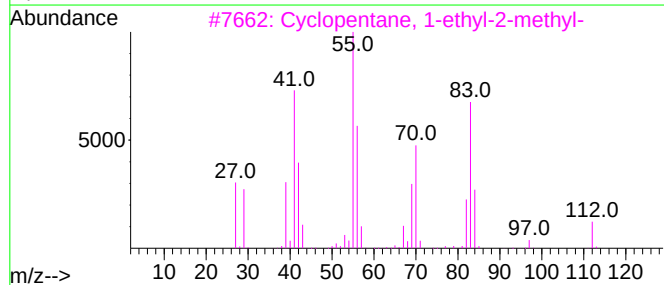
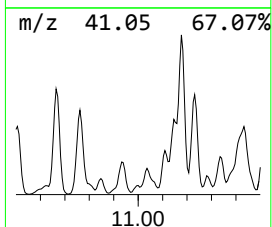
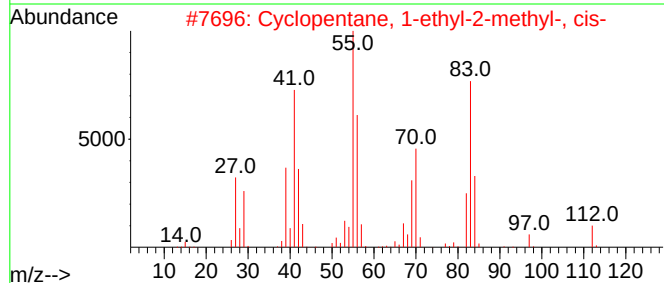
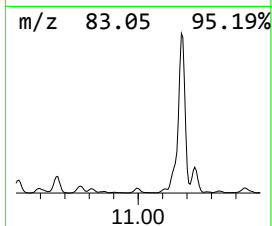
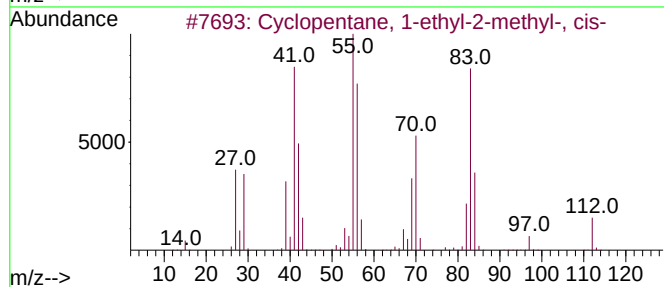
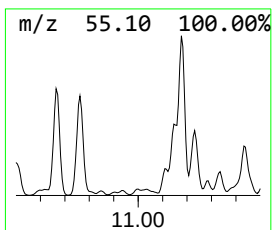
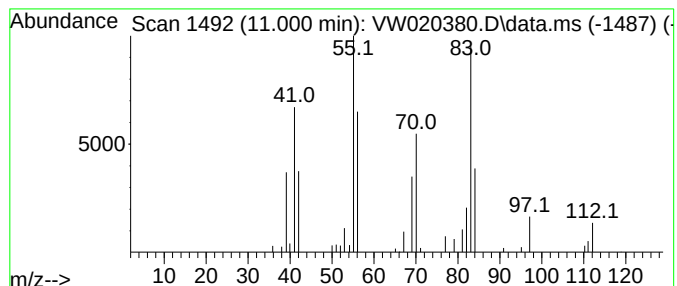
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic11.000 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.000	1.83 ug/L	29597	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	95
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	94
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	003726-46-3	90
4			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	90
5			2-Heptenal, (Z)-	112	C7H12O	057266-86-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

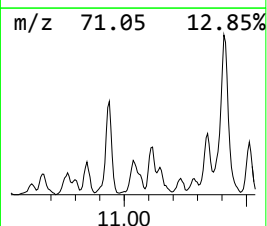
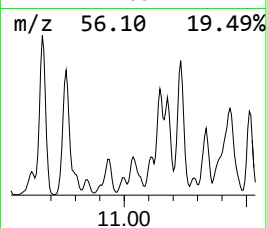
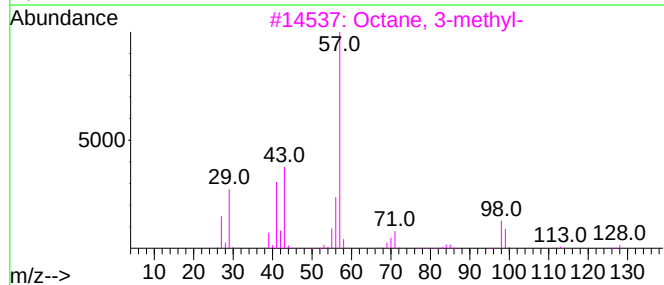
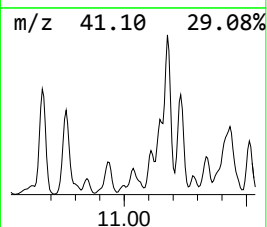
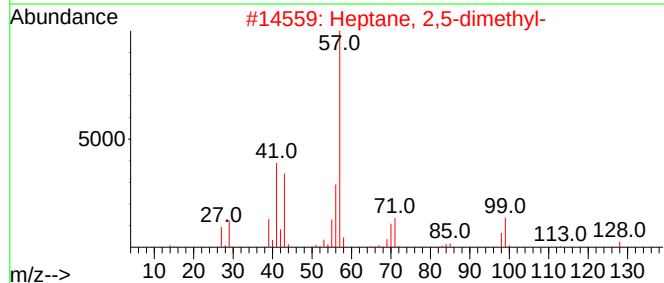
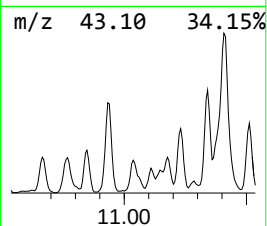
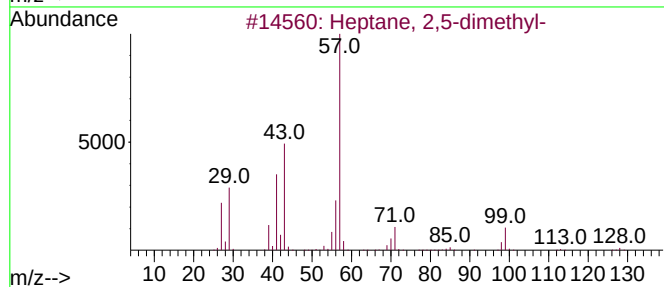
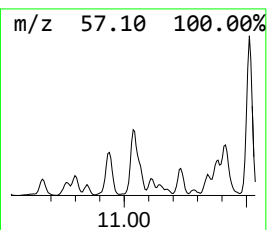
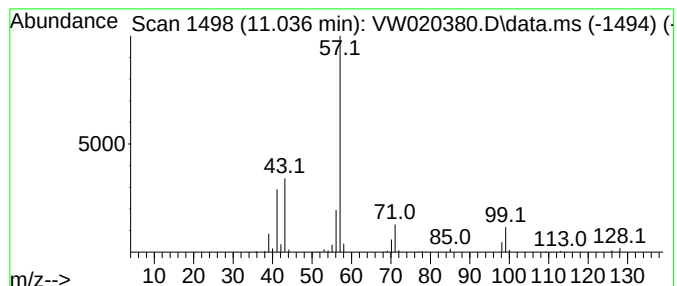
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.036	5.75 ug/L	93265	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	86
3	Octane, 3-methyl-		128	C9H20	002216-33-3	86
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	83
5	Octane, 3-methyl-		128	C9H20	002216-33-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

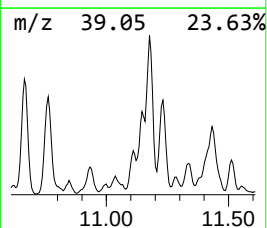
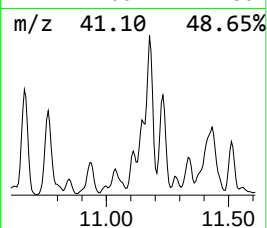
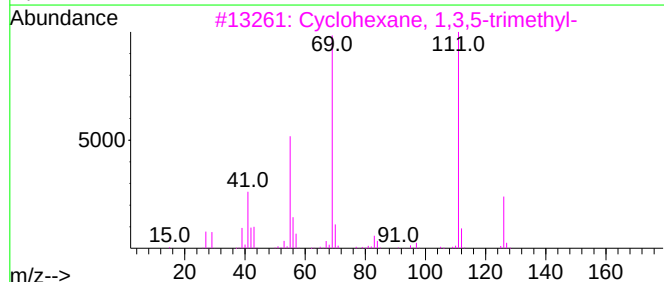
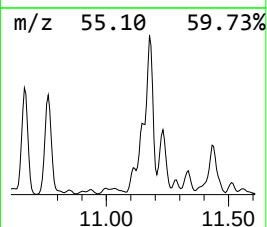
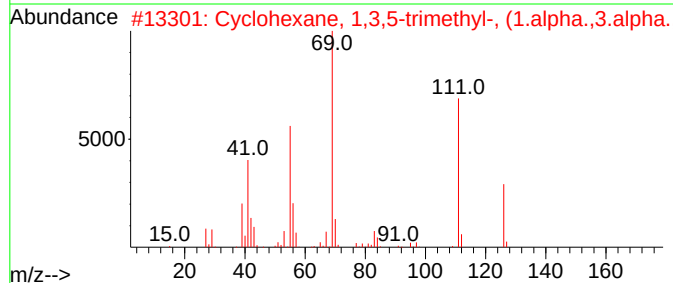
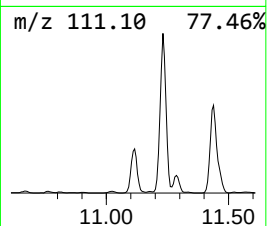
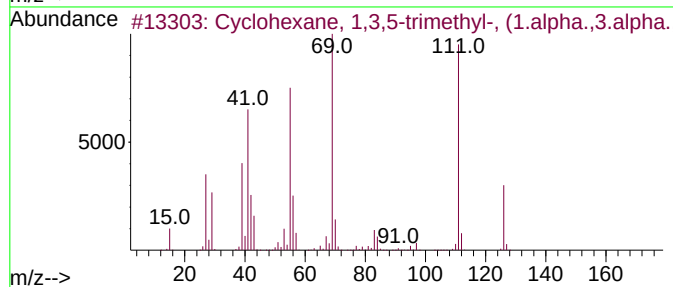
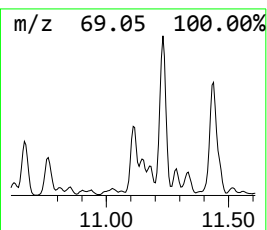
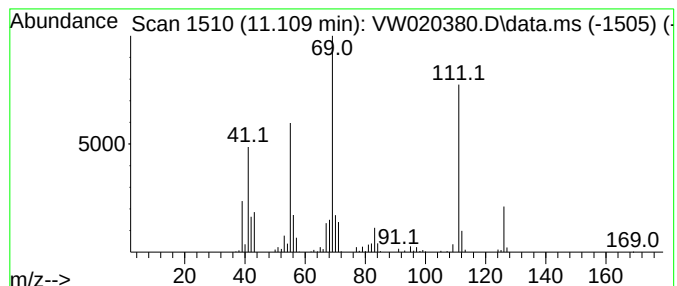
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.110 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	12.47 ug/L	202145	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

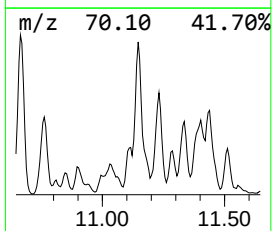
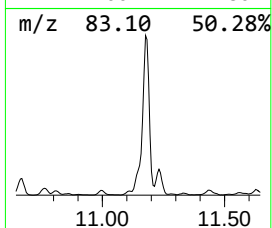
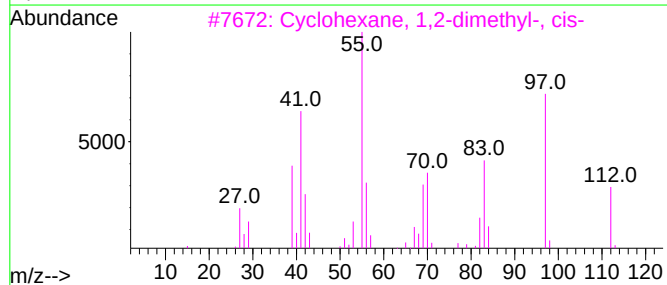
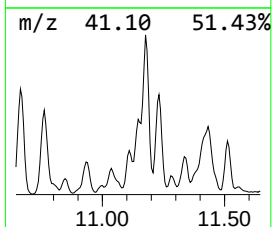
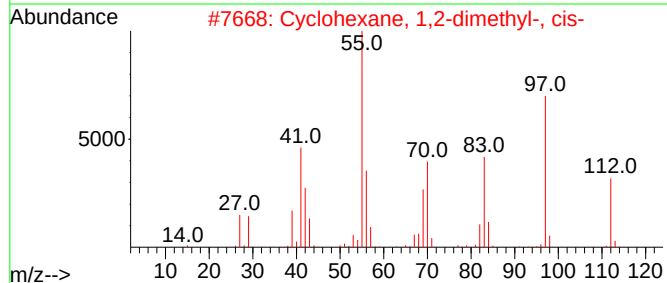
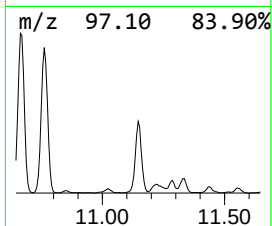
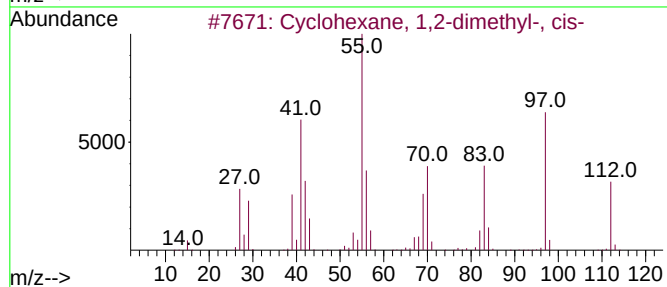
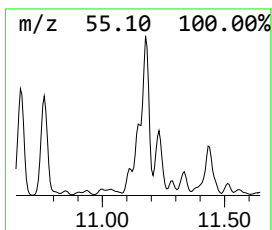
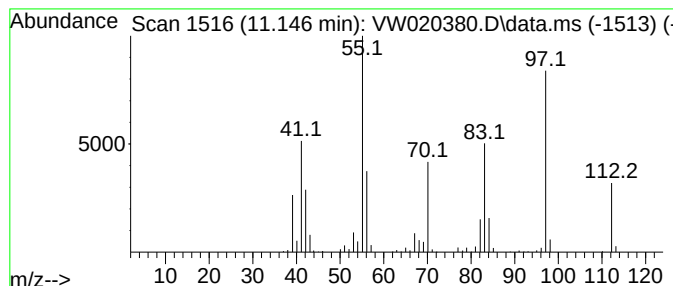
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.146 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	17.39 ug/L	281963	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
4		Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	90
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

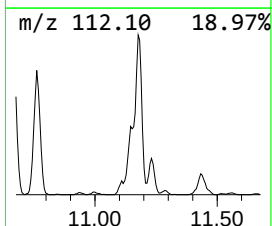
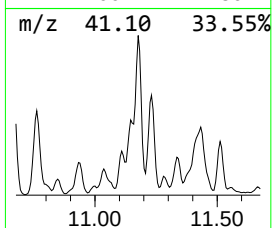
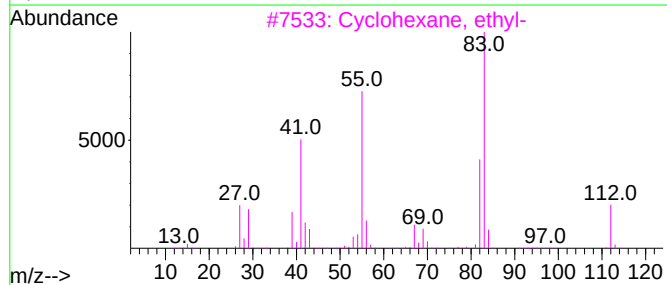
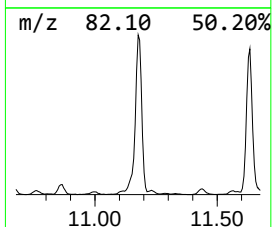
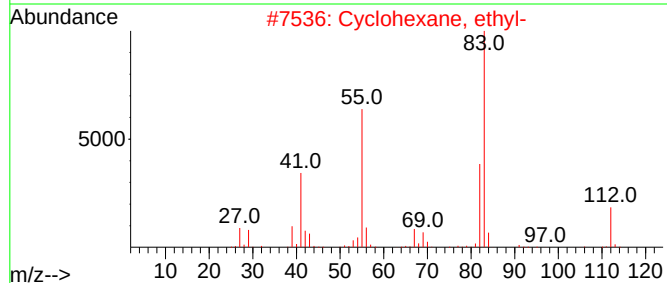
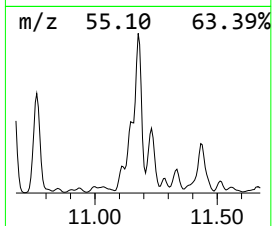
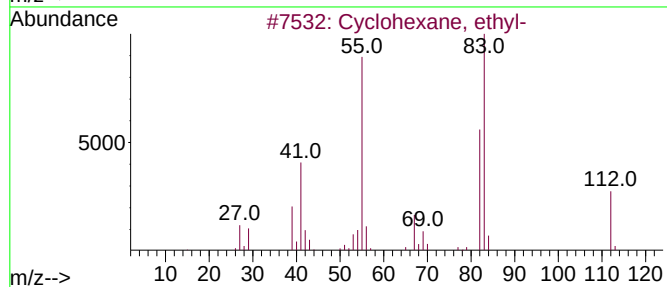
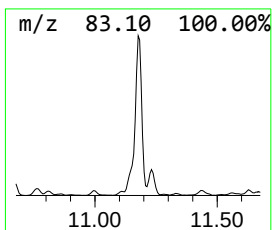
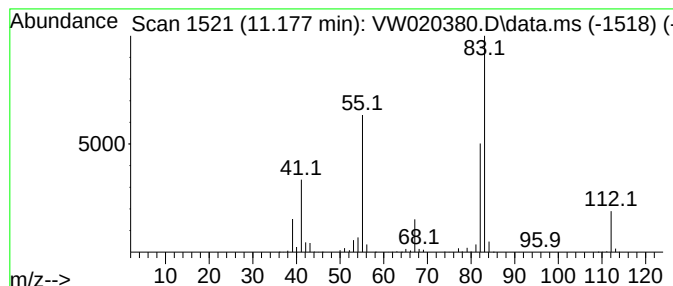
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic11.177 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	39.52 ug/L	640651	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

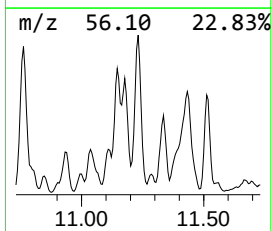
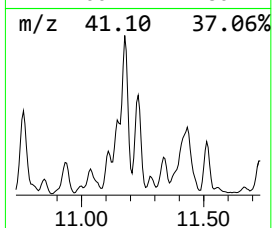
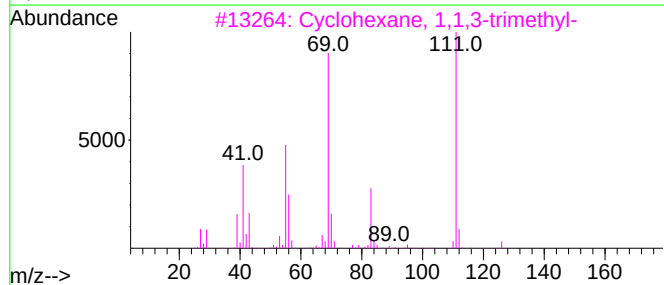
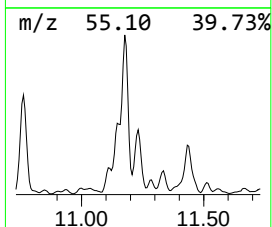
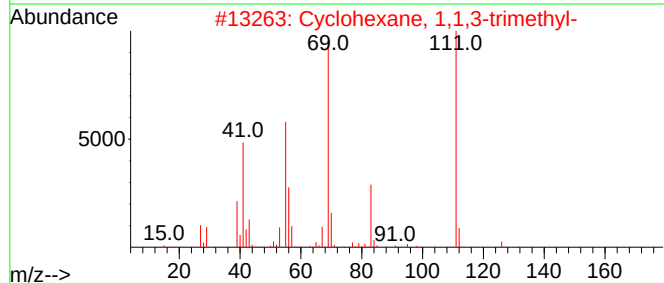
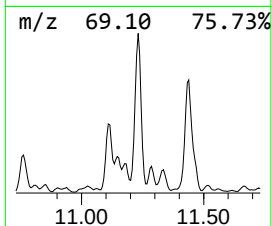
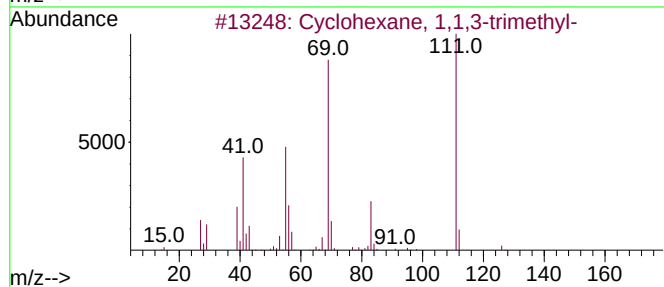
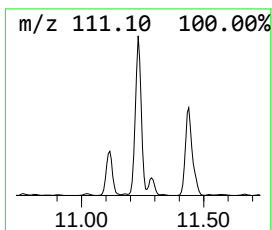
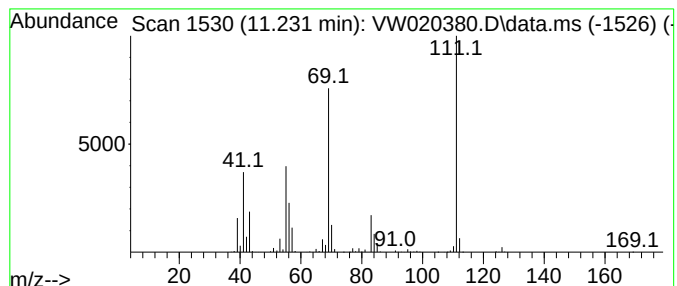
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.231 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	29.44 ug/L	477290	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
4			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

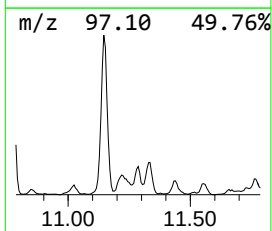
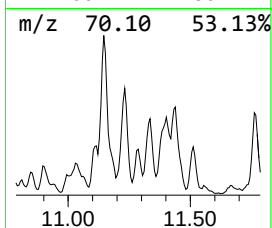
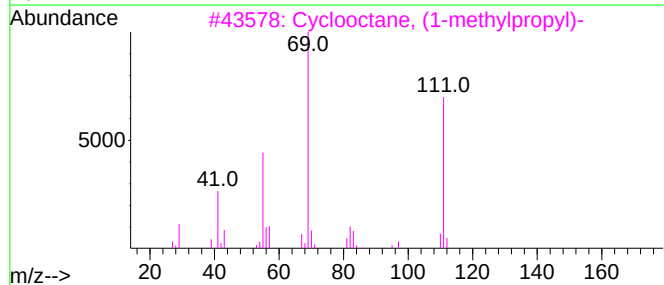
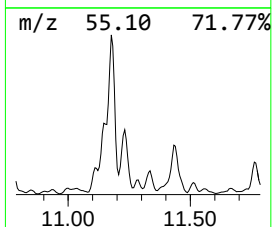
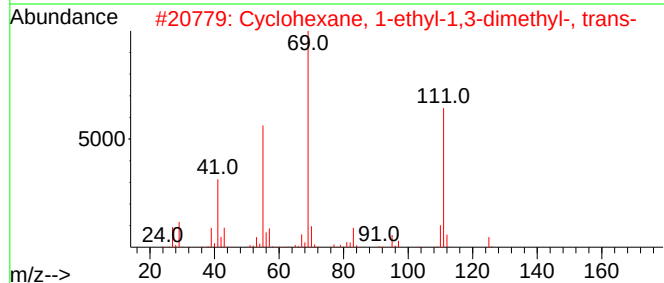
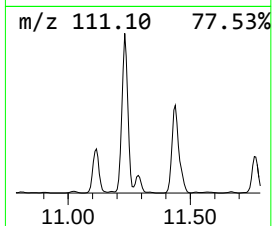
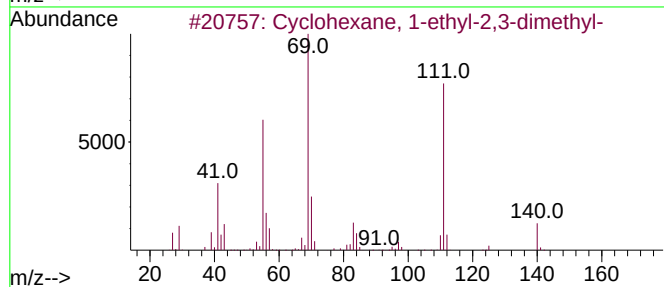
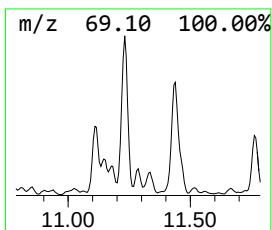
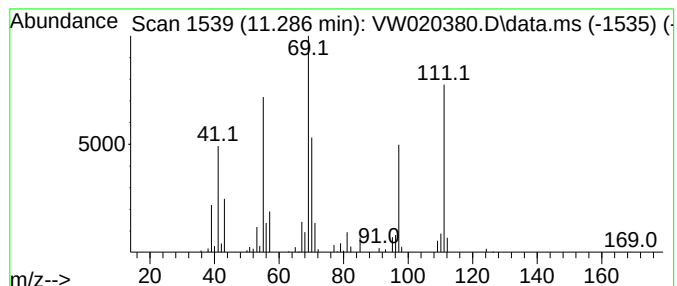
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.286 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.69 ug/L	43671	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	53
2		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	50
3		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	50
5		Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	053907-60-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

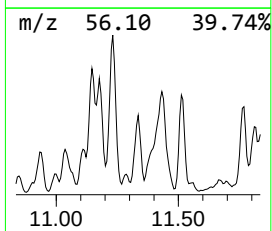
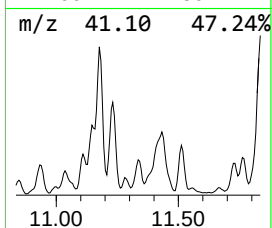
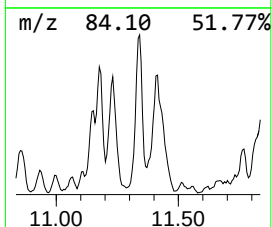
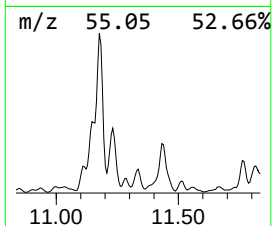
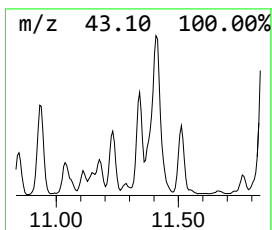
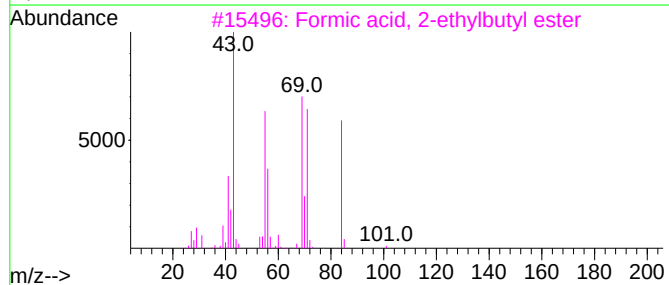
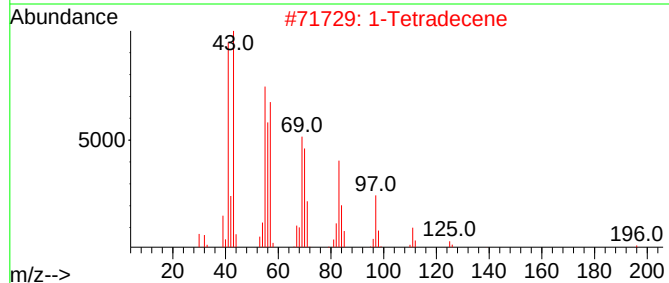
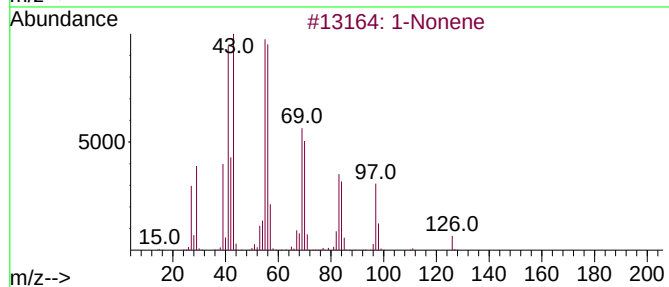
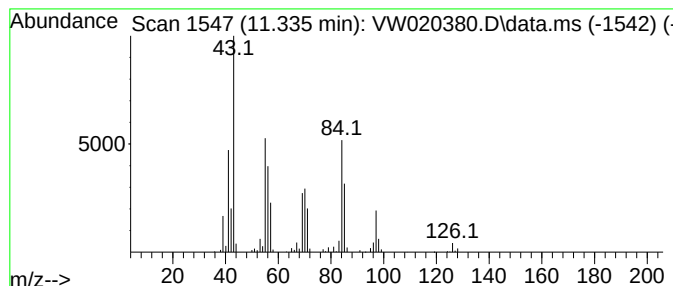
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MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.335	9.50 ug/L	153973	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonene	126	C9H18	000124-11-8	60
2	1-Tetradecene	196	C14H28	001120-36-1	59
3	Formic acid, 2-ethylbutyl ester	130	C7H14O2	1000367-92-2	50
4	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	46
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

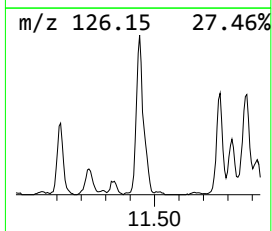
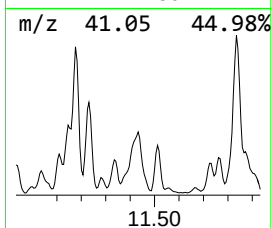
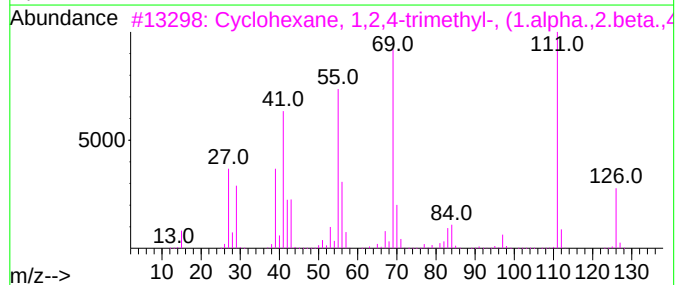
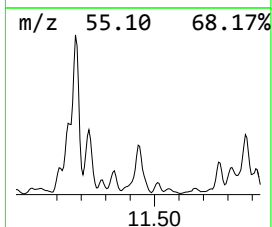
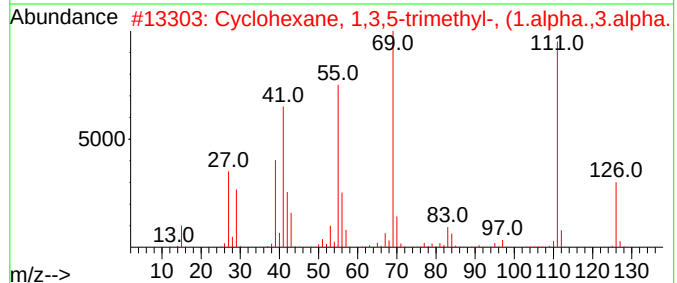
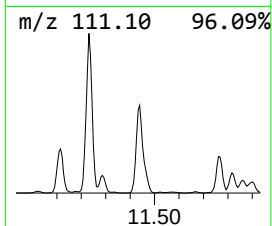
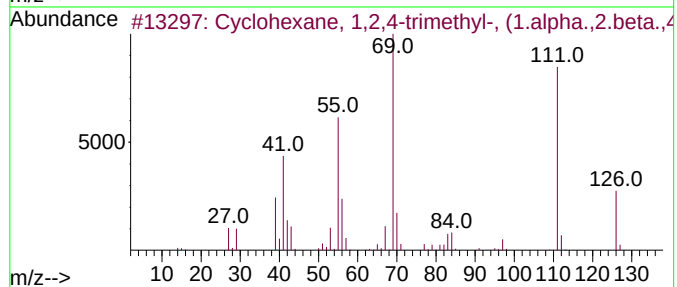
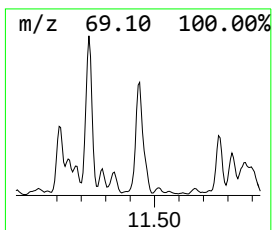
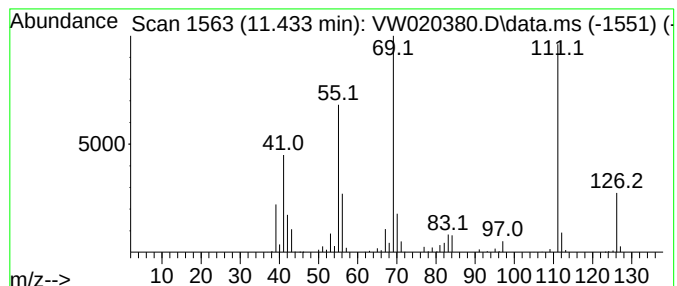
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.433 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	40.48 ug/L	656241	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	92
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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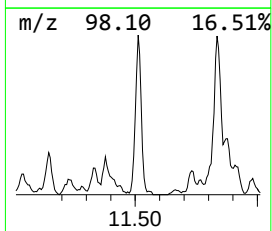
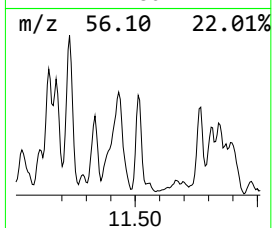
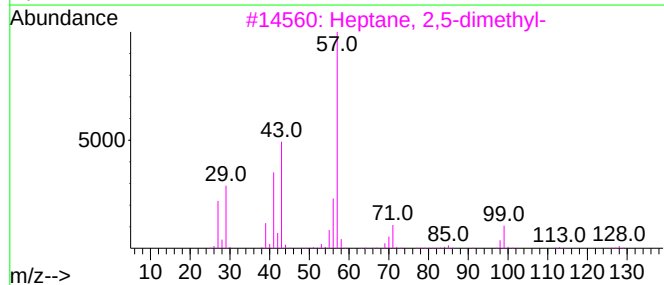
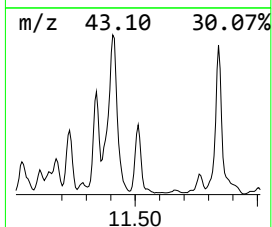
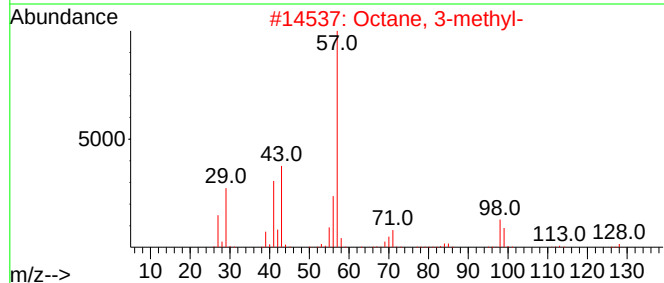
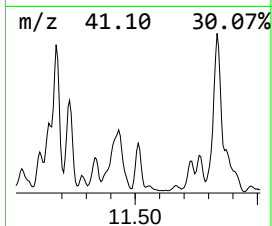
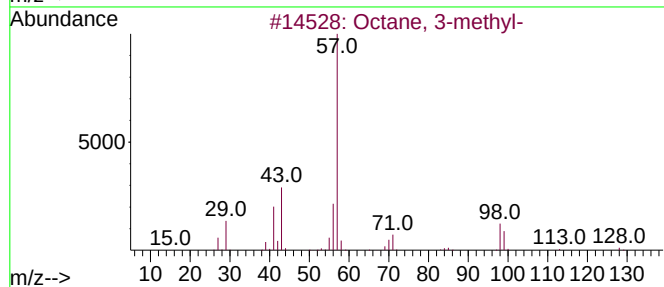
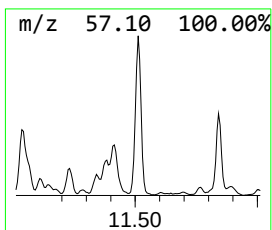
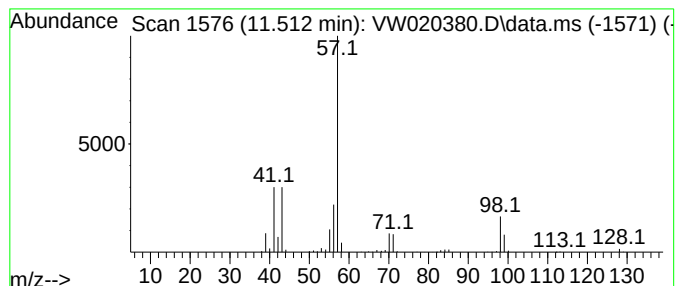
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	11.12 ug/L	180207	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

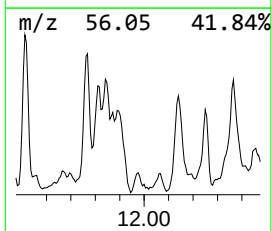
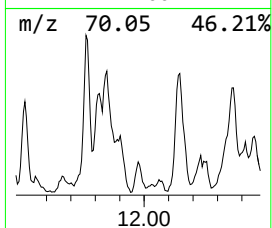
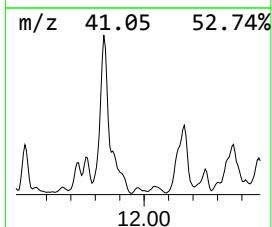
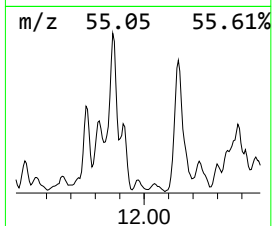
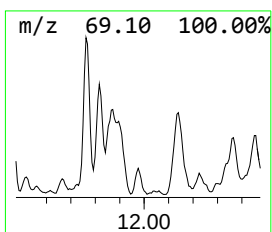
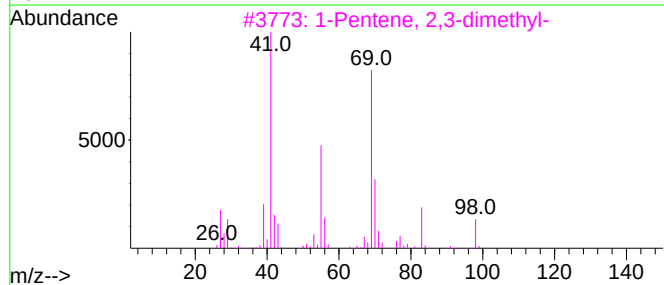
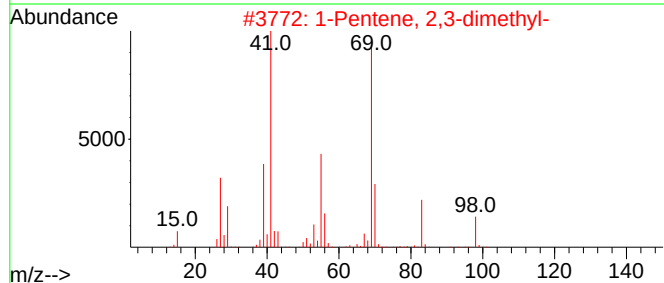
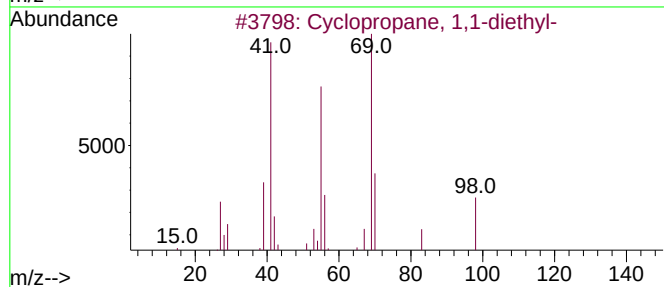
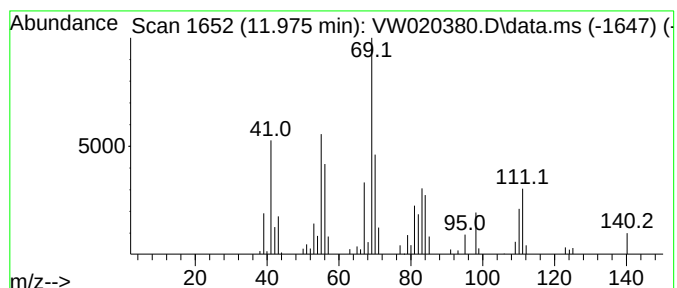
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.975 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	2.57 ug/L	41683	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	53
2		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	49
3		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	49
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
5		3-Methyl-2-hexene	98	C7H14	017618-77-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

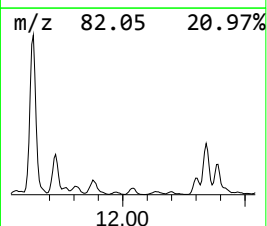
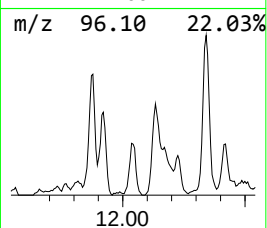
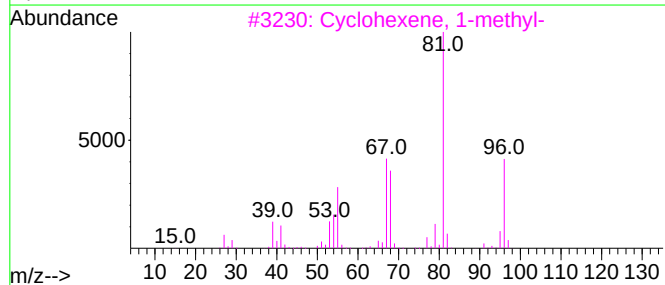
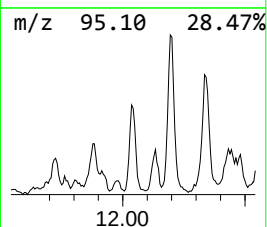
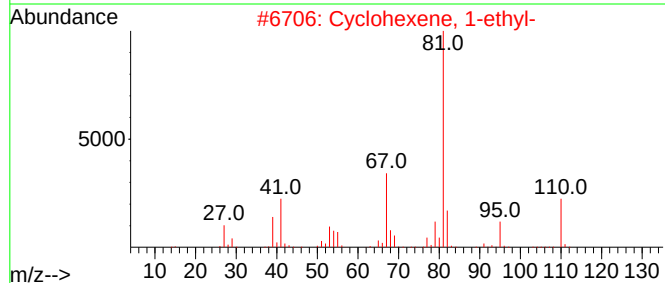
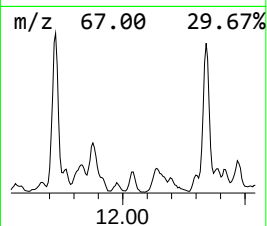
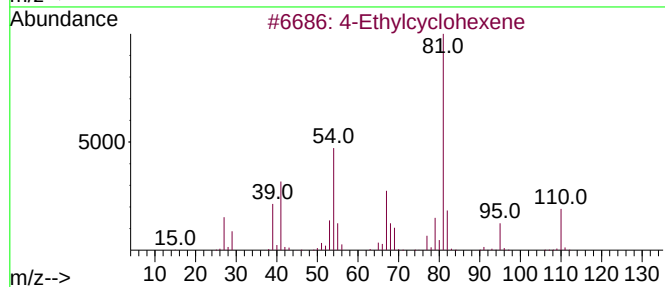
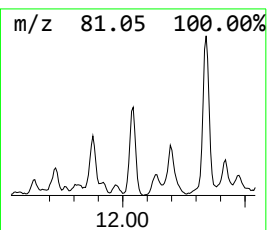
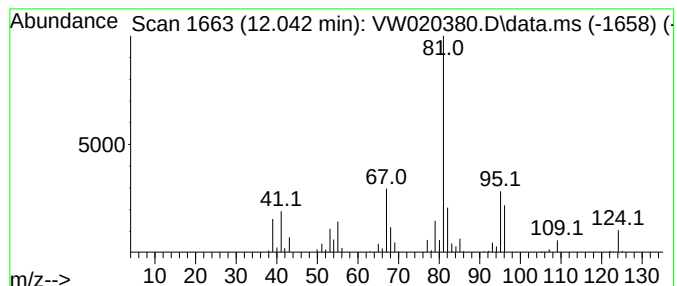
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Quant Title : SFAM01.0

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

Peak Number 25 4-Ethylcyclohexene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	4.80 ug/L	77794	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Ethylcyclohexene	110	C8H14	003742-42-5	59
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
4		Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	53
5		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

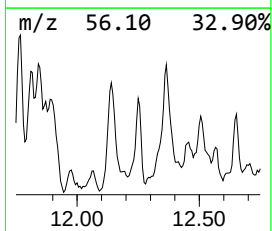
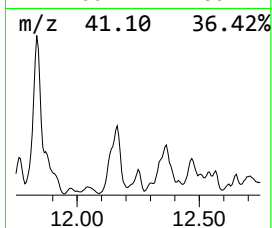
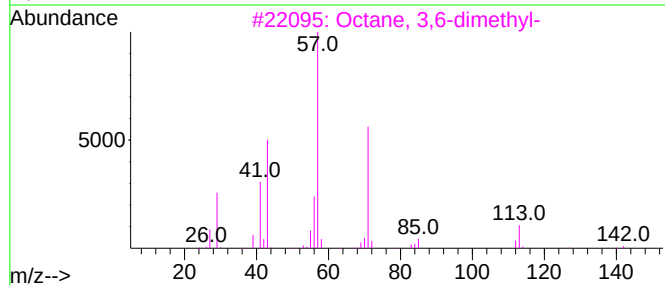
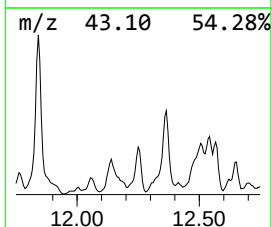
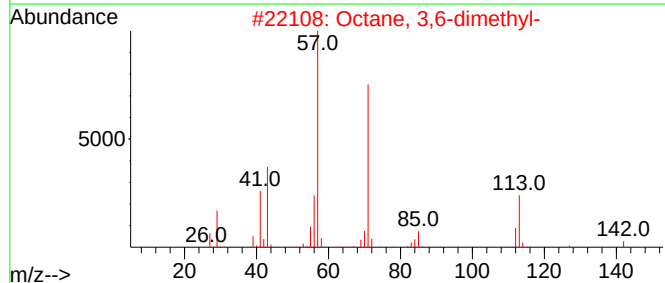
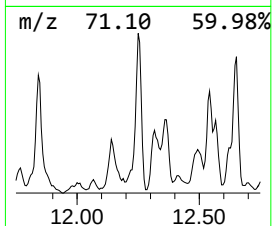
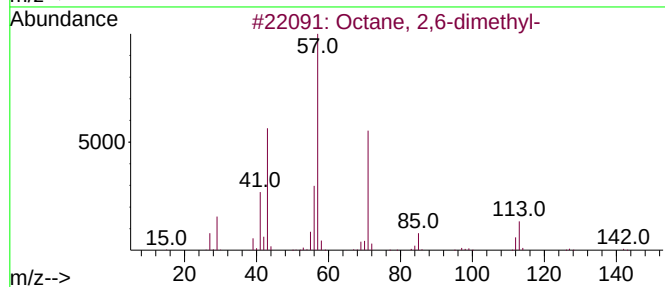
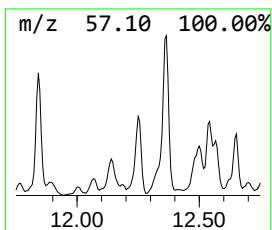
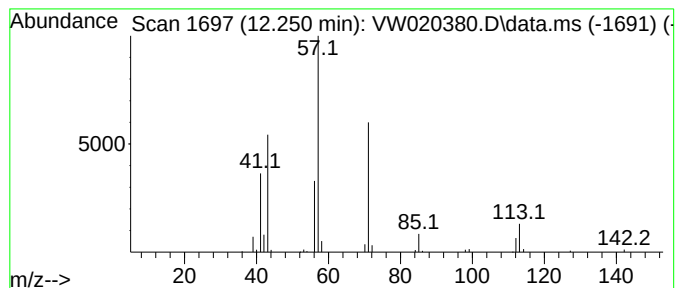
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.249	7.64 ug/L	123820	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

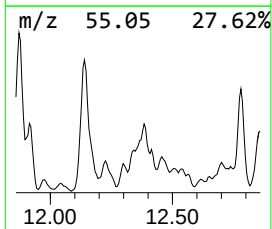
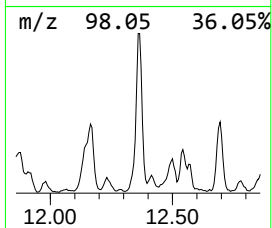
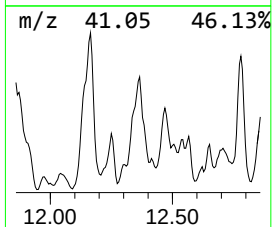
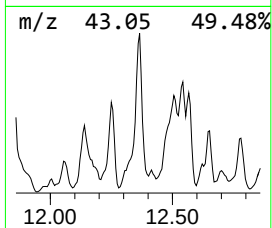
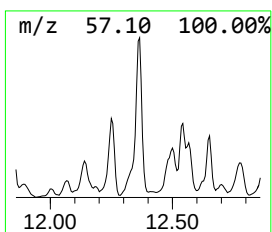
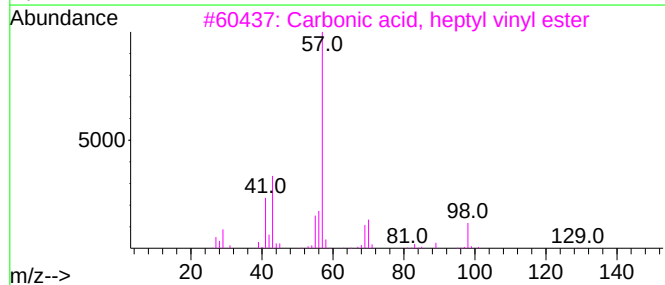
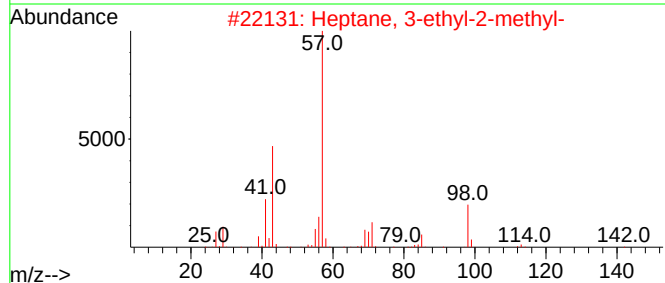
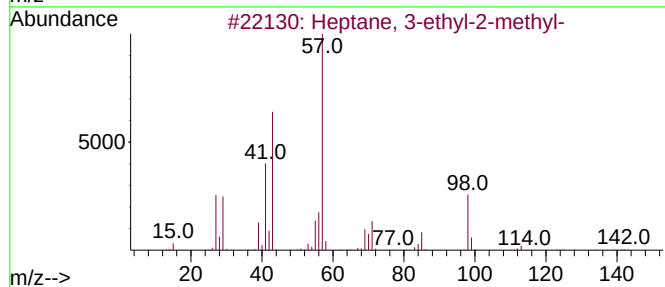
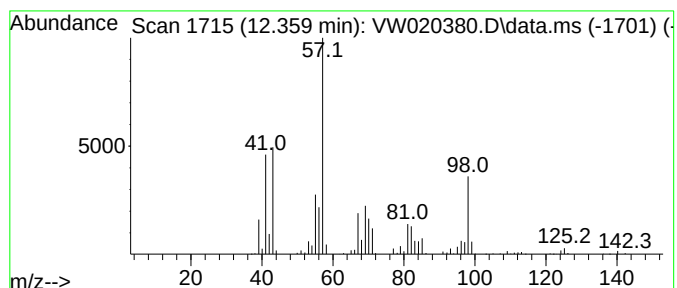
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.359	35.90 ug/L	581919	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	43
4	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	43
5	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

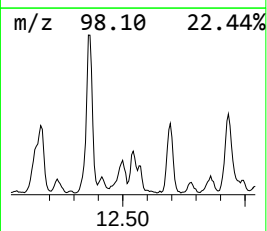
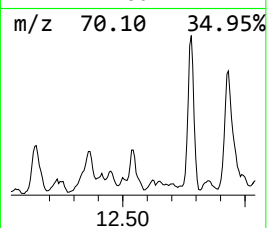
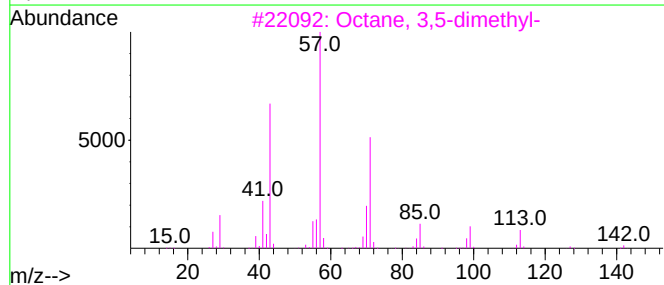
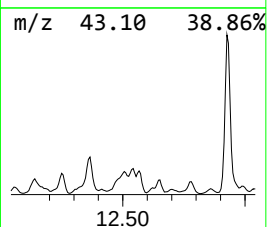
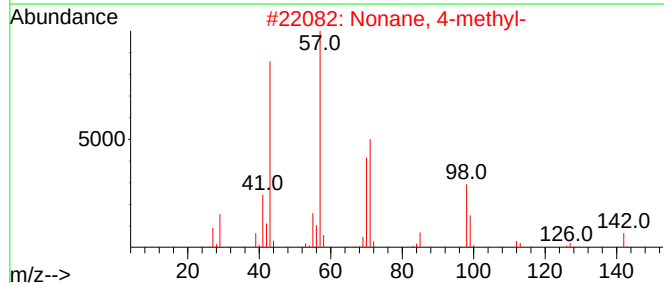
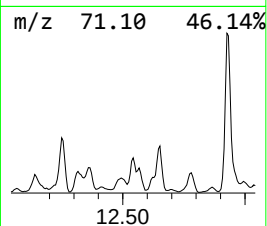
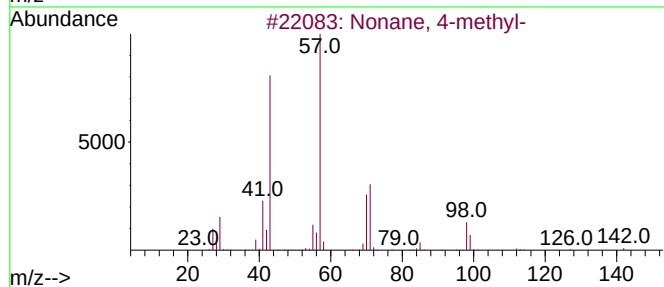
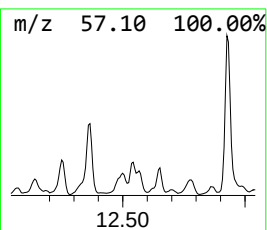
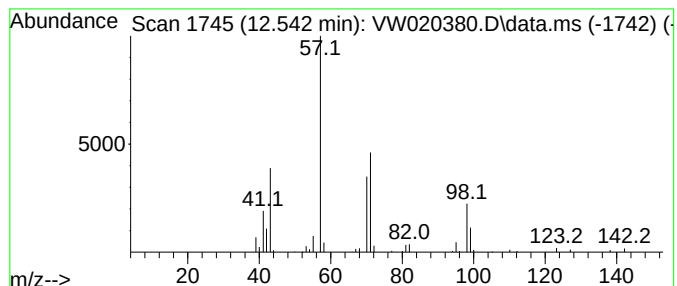
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.542	1.43 ug/L	23173	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-		142	C10H22	017301-94-9	72
2	Nonane, 4-methyl-		142	C10H22	017301-94-9	56
3	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	50
4	Heptane, 2,3,4-trimethyl-		142	C10H22	052896-95-4	50
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

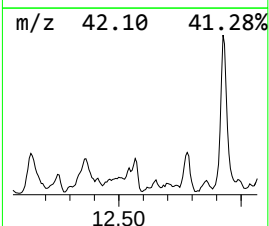
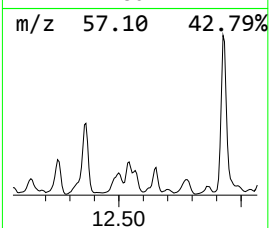
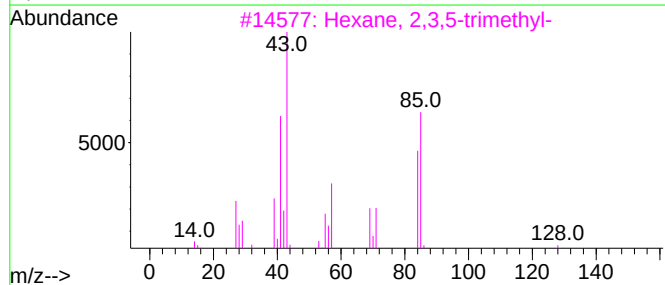
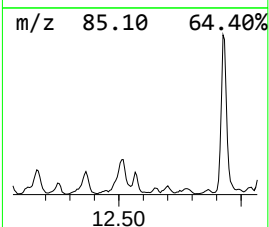
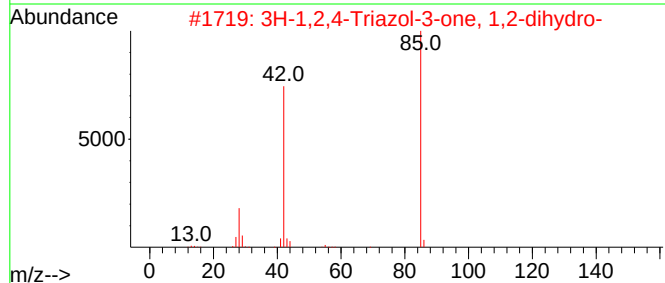
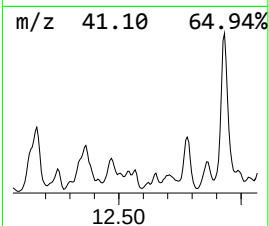
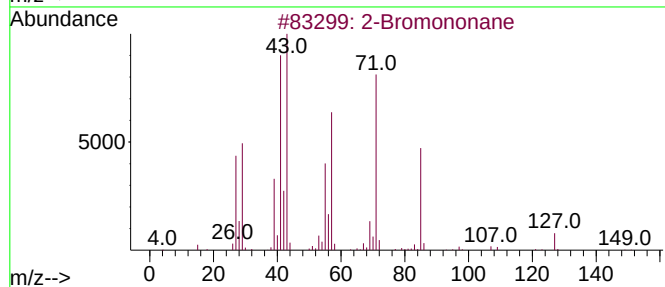
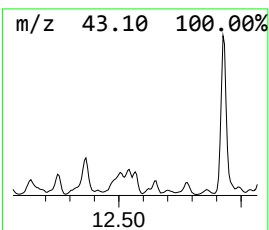
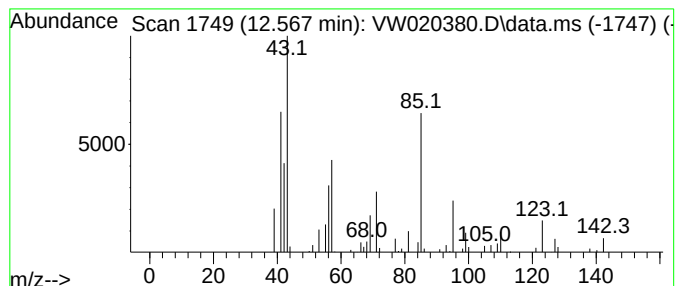
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Quant Title : SFAM01.0

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

Peak Number 29 unknown-01 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.567	3.96 ug/L	64131	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Bromononane	206	C9H19Br	002216-35-5	37
2		3H-1,2,4-Triazol-3-one, 1,2-dihy...	85	C2H3N3O	000930-33-6	35
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	32
4		Cyclohexanol, 1,3-dimethyl-, cis-	128	C8H16O	015466-94-1	25
5		Hexyl octyl ether	214	C14H30O	017071-54-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

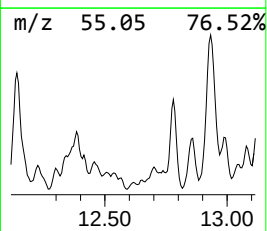
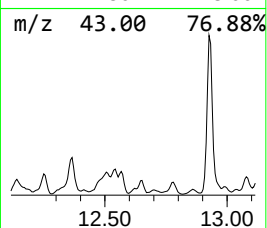
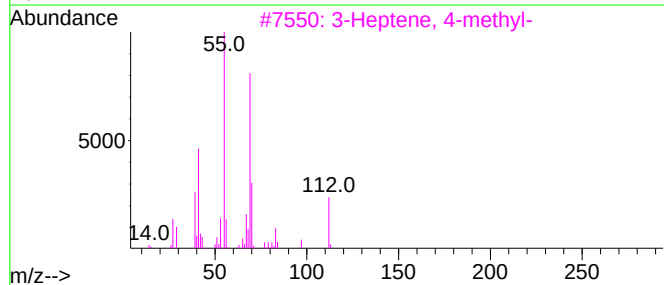
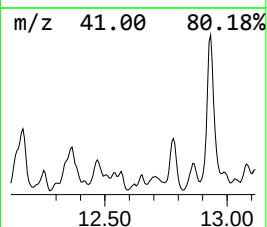
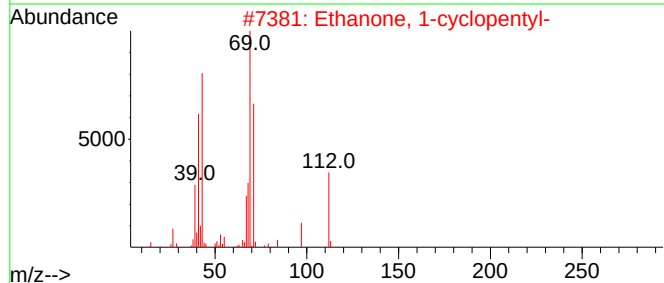
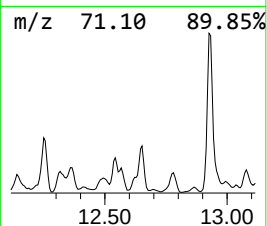
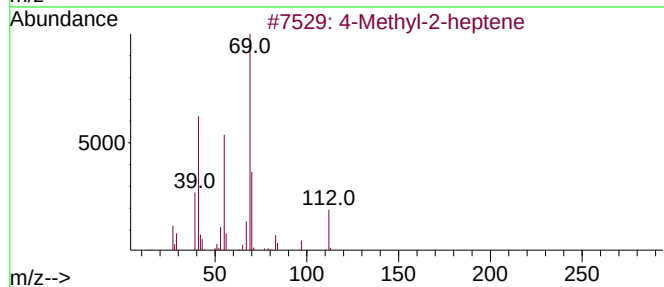
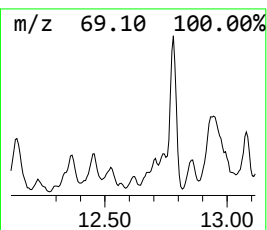
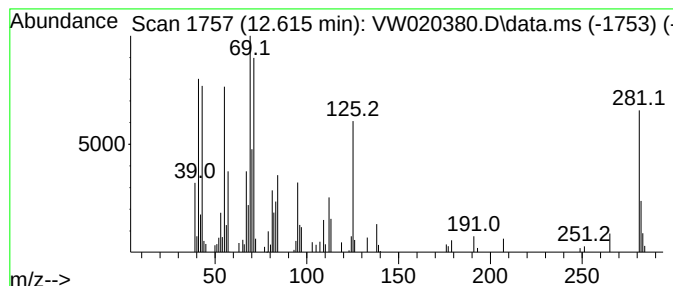
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.615	5.95 ug/L	39678	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Methyl-2-heptene		112	C8H16	003404-56-6	30
2	Ethanone, 1-cyclopentyl-		112	C7H12O	006004-60-0	30
3	3-Heptene, 4-methyl-		112	C8H16	004485-16-9	27
4	4-Methyl-3-heptanol, chlorodiflu...		242	C10H17ClF2O2	1000447-27-4	27
5	1-Hexene, 3,3-dimethyl-		112	C8H16	003404-77-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

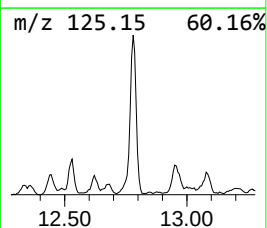
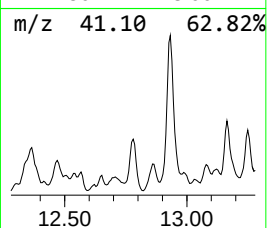
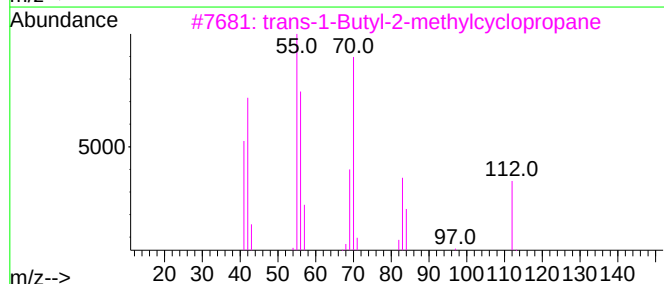
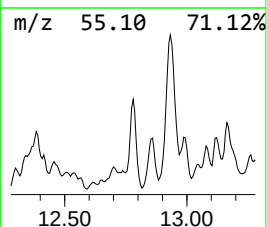
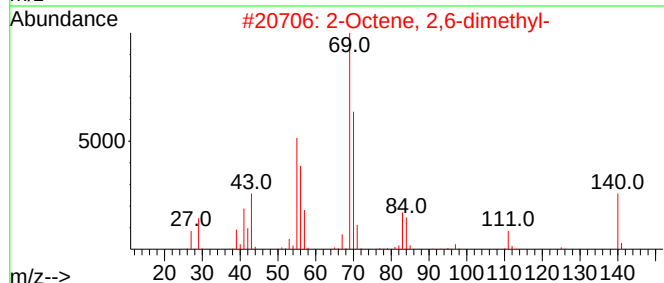
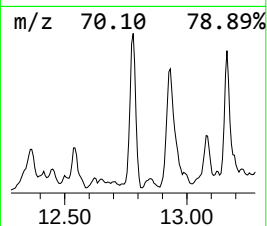
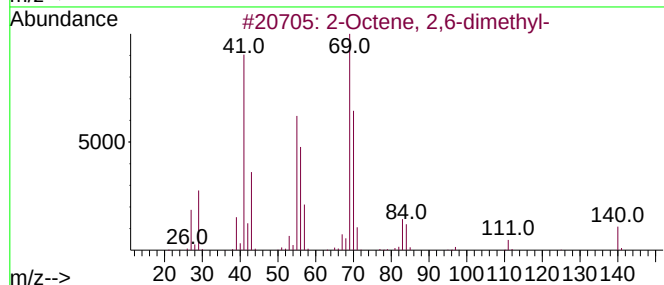
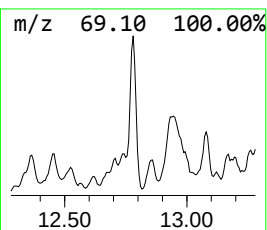
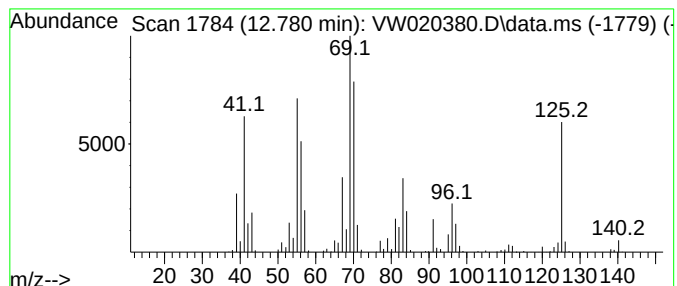
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	66.61 ug/L	443957	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
4			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	46
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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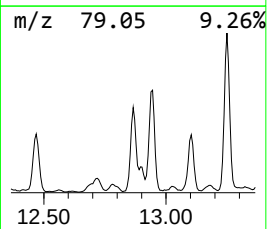
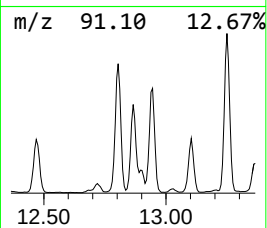
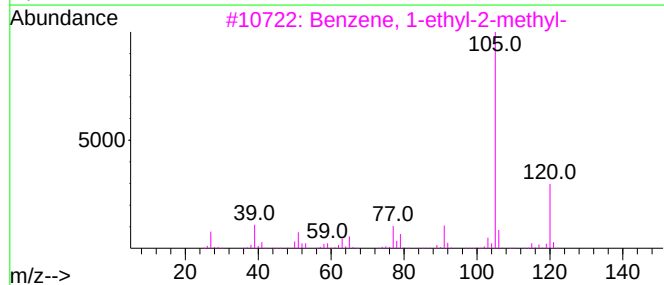
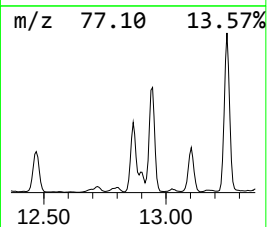
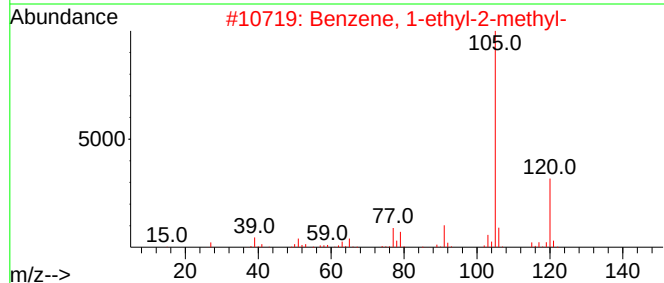
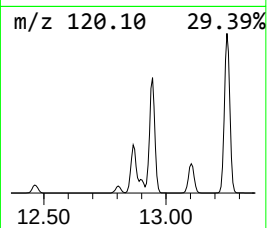
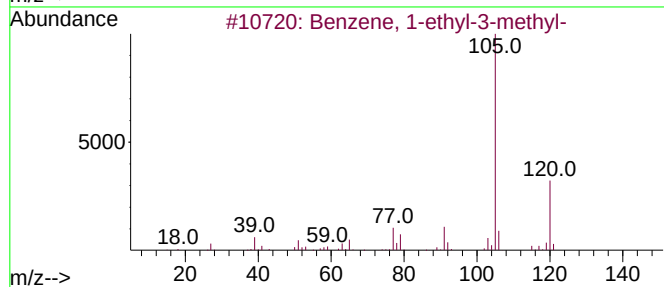
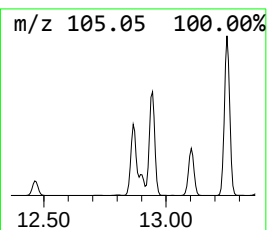
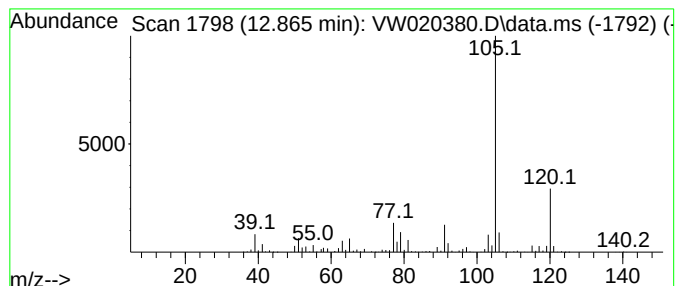
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	151.69 ug/L	1010950	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

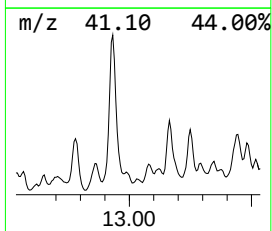
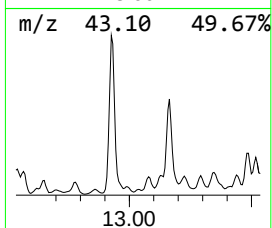
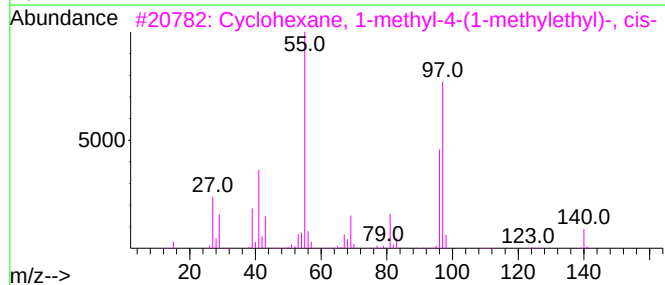
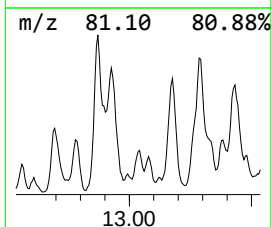
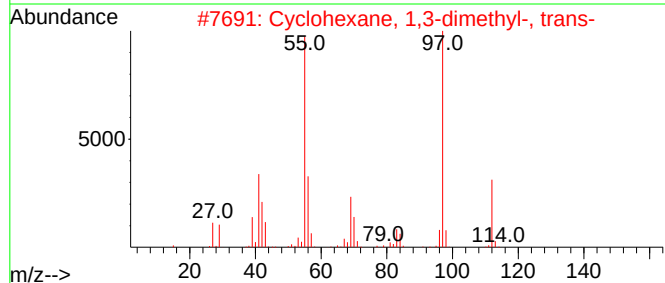
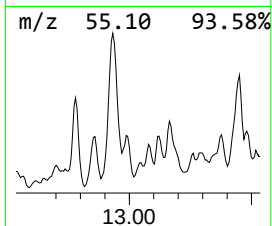
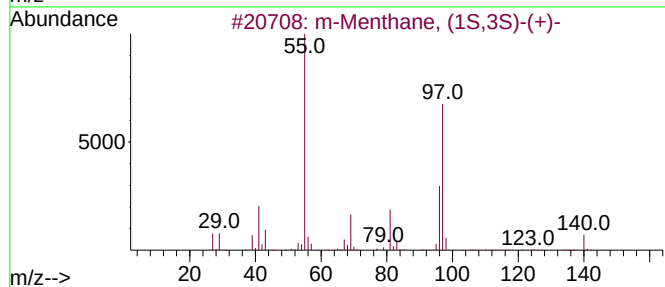
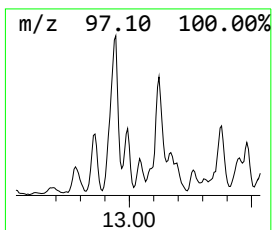
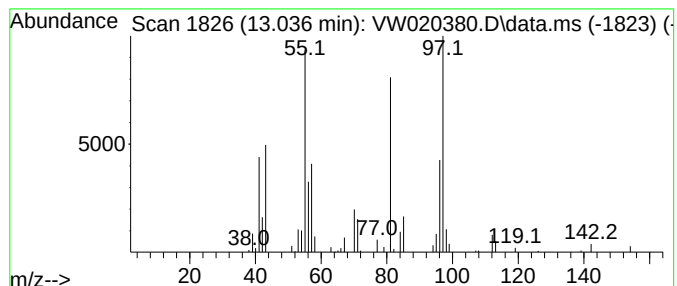
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.036	2.76 ug/L	18365	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	43
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

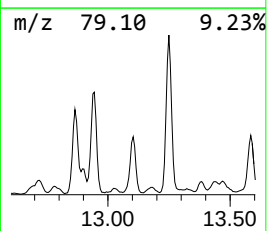
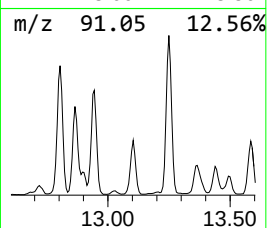
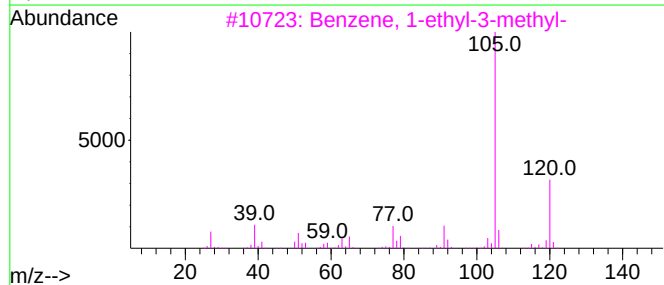
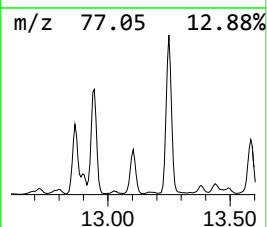
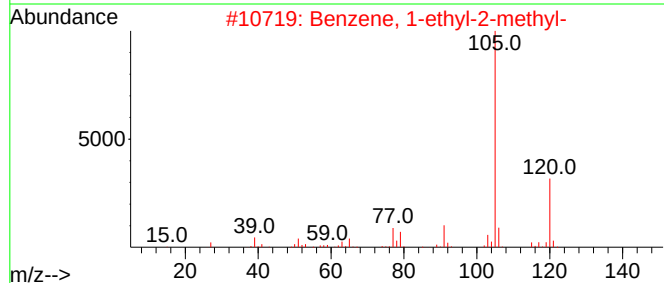
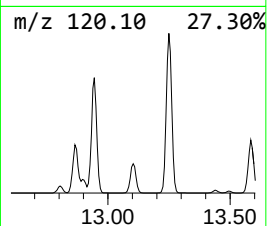
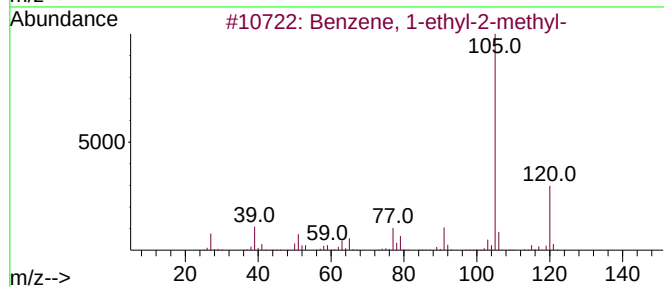
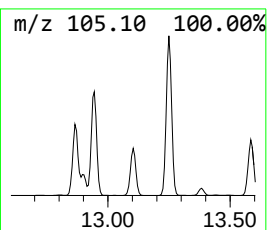
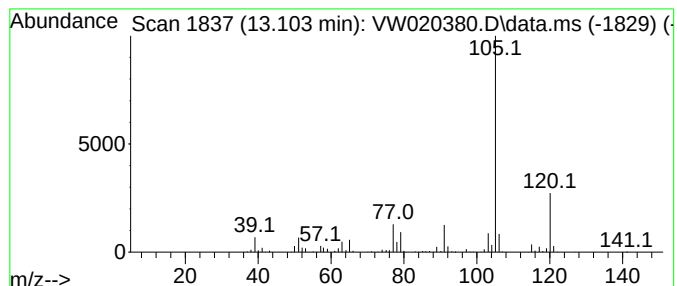
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	106.55 ug/L	710118	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

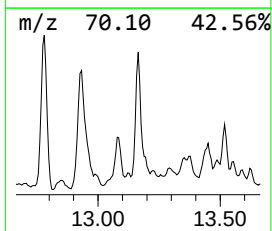
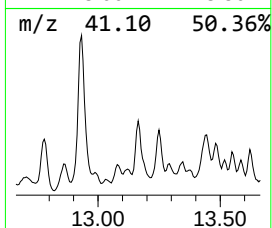
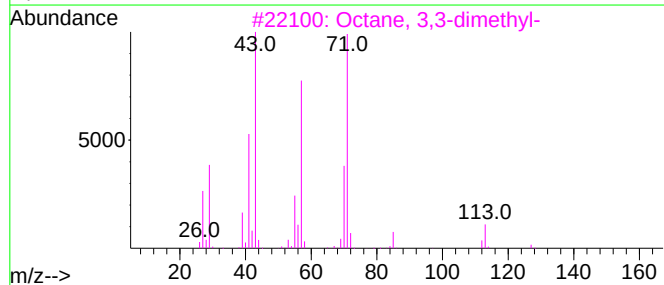
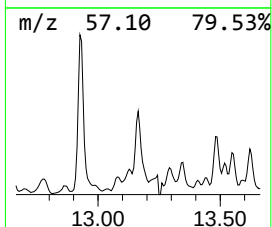
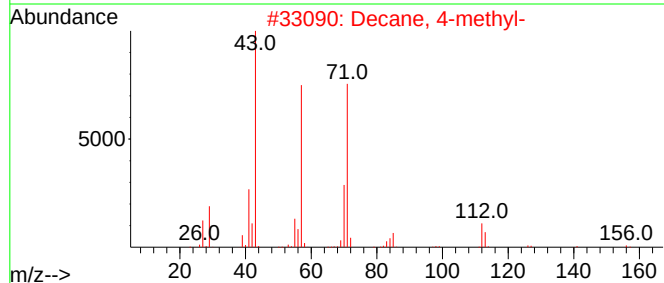
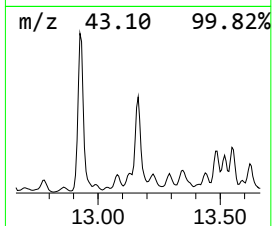
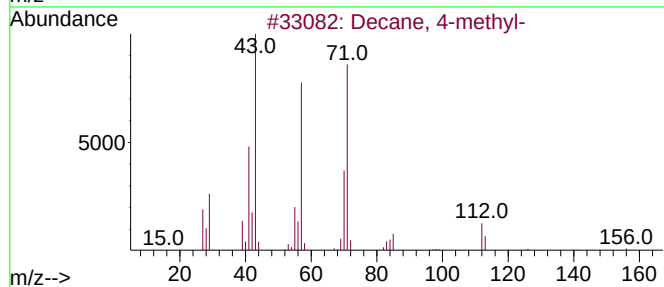
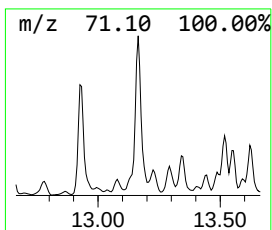
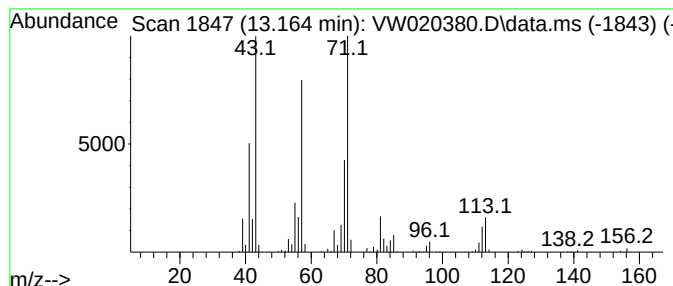
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.164	53.82 ug/L	358667	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	90
2	Decane, 4-methyl-		156	C11H24	002847-72-5	90
3	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	78
4	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	78
5	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

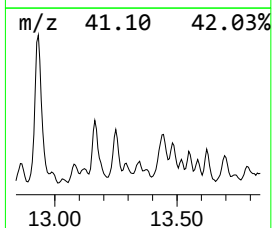
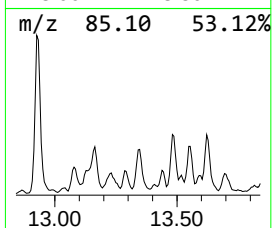
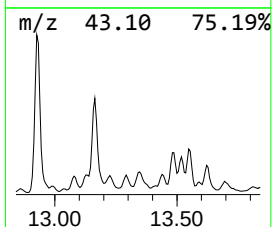
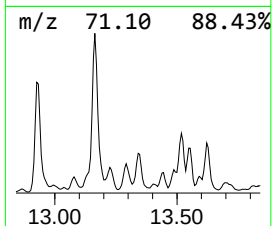
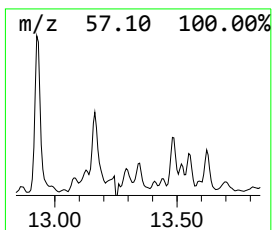
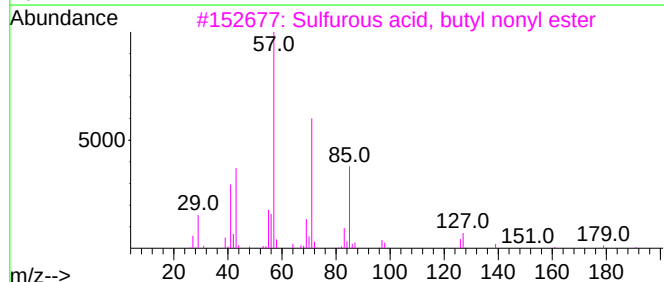
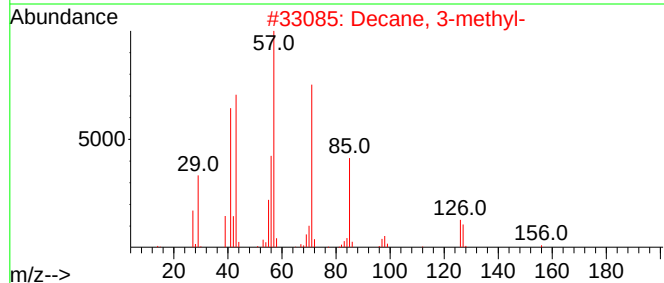
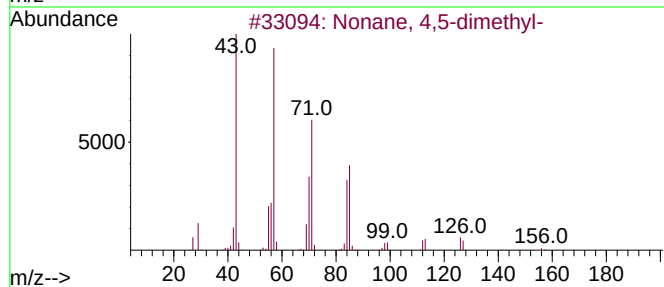
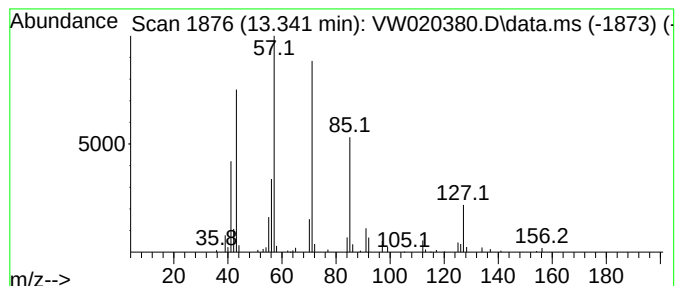
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.341	8.18 ug/L	54517	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	80
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
4	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

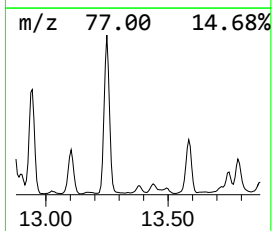
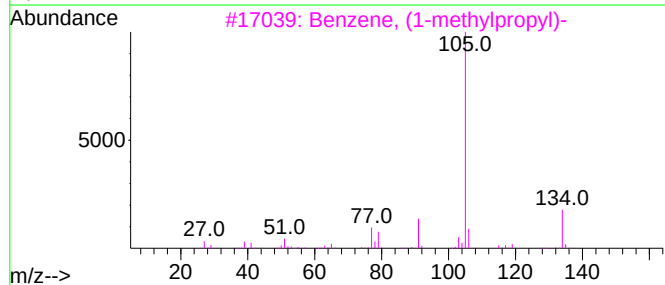
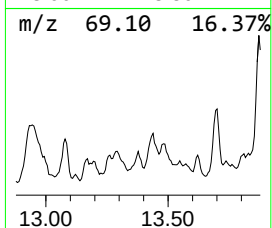
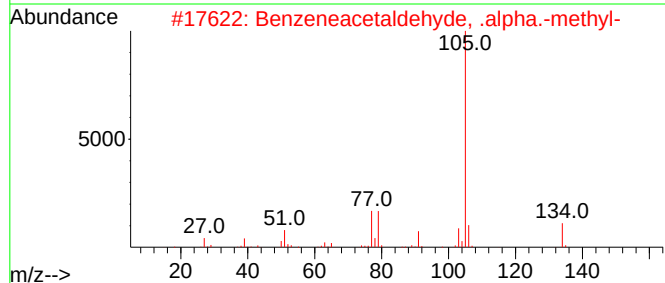
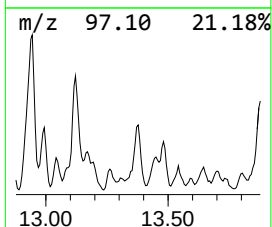
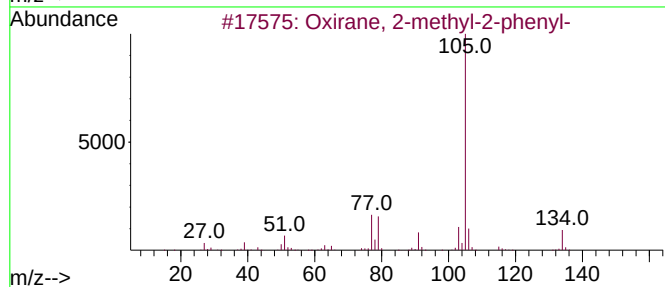
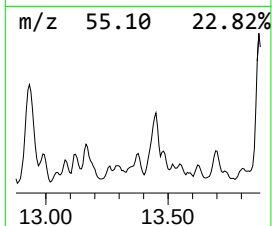
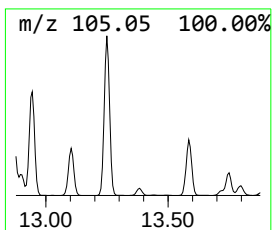
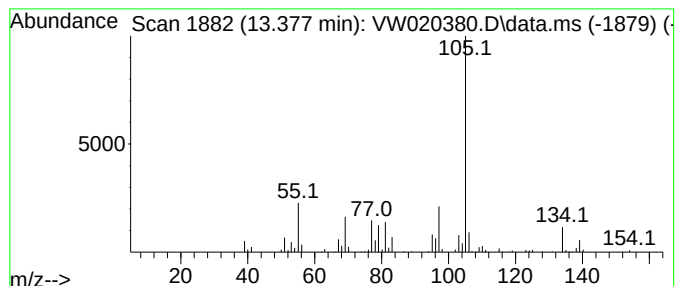
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Quant Title : SFAM01.0

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

Peak Number 37 Oxirane, 2-methyl-2-phenyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	14.93 ug/L	99526	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	50
2			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
4			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

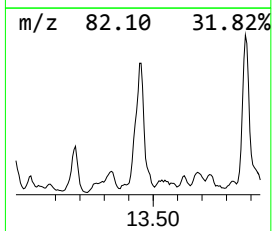
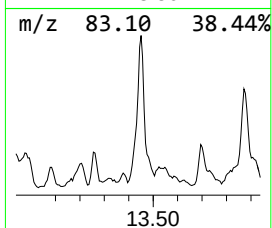
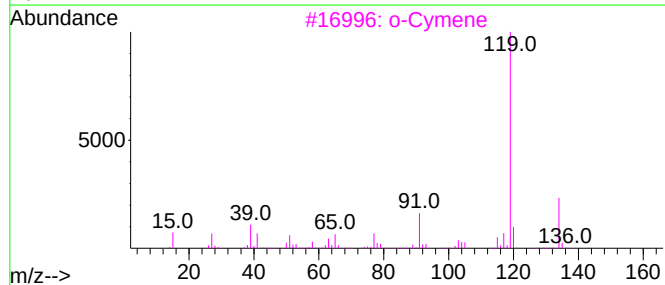
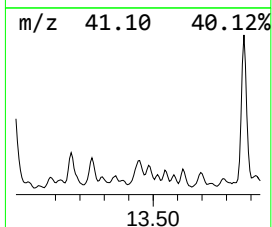
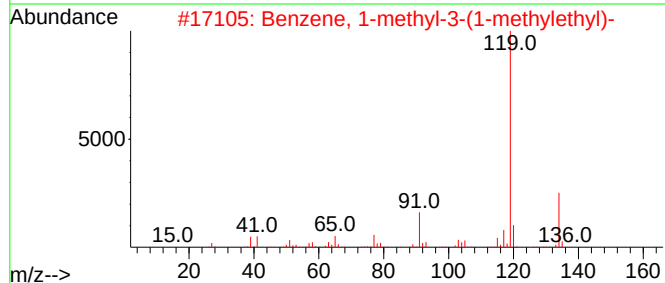
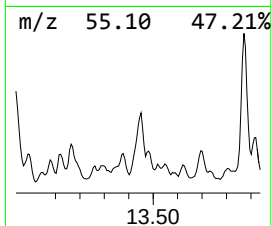
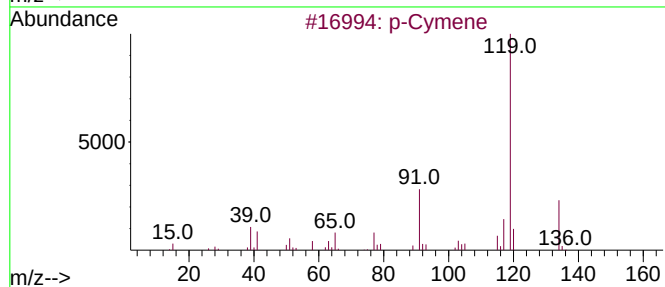
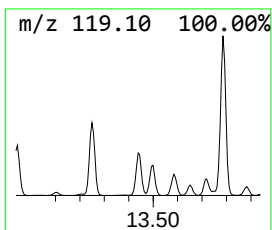
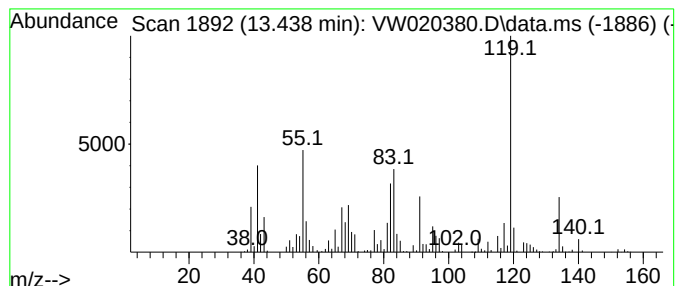
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Quant Title : SFAM01.0

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

Peak Number 38 p-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	69.96 ug/L	466278	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		p-Cymene	134	C10H14	000099-87-6	91
2		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	90
3		o-Cymene	134	C10H14	000527-84-4	87
4		p-Cymene	134	C10H14	000099-87-6	87
5		o-Cymene	134	C10H14	000527-84-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

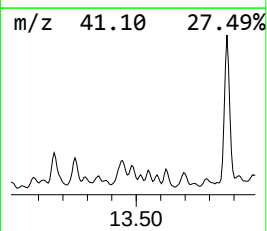
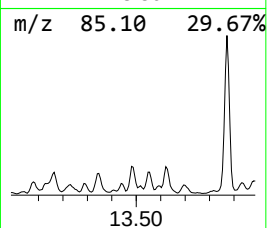
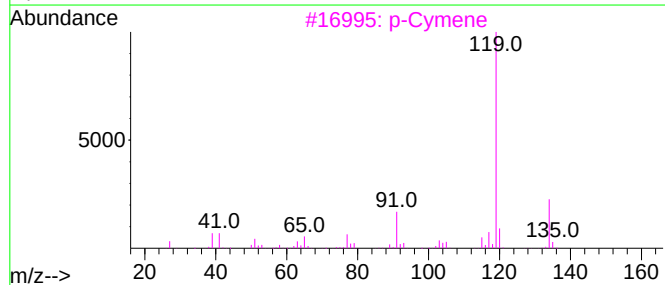
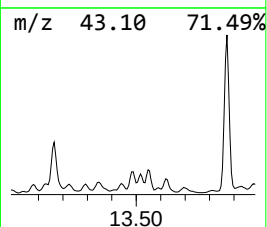
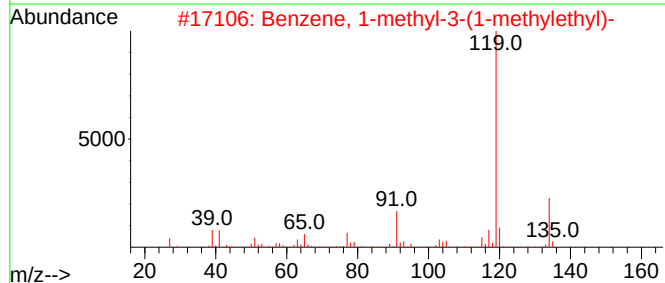
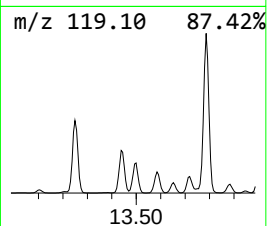
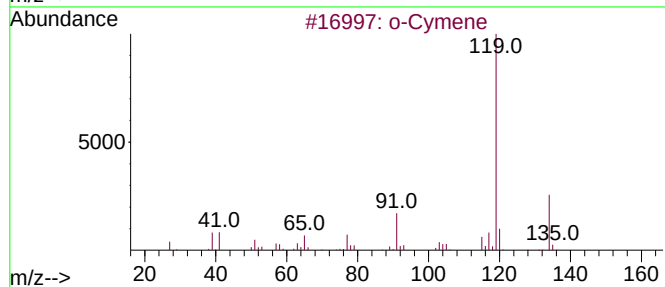
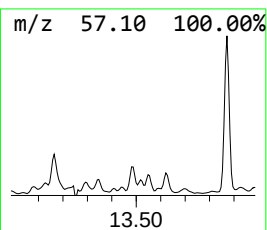
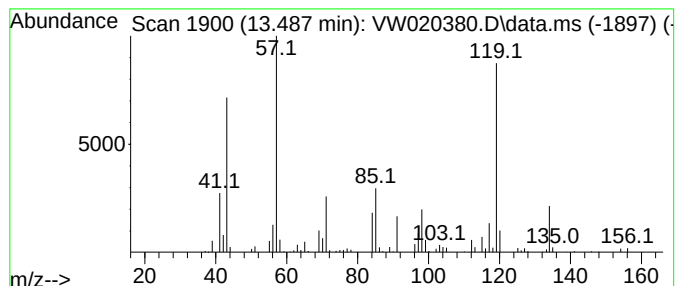
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Quant Title : SFAM01.0

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

Peak Number 39 o-Cymene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	18.92 ug/L	126098	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	87
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	87
3			p-Cymene	134	C10H14	000099-87-6	87
4			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	55
5			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

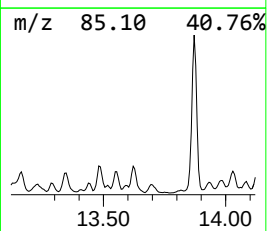
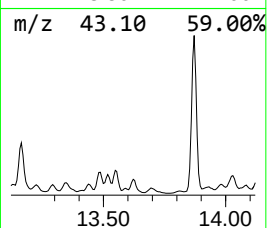
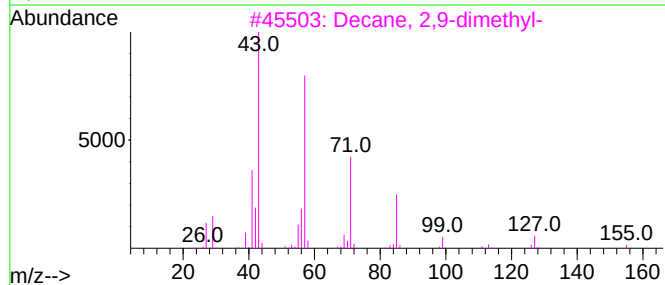
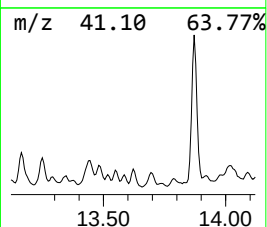
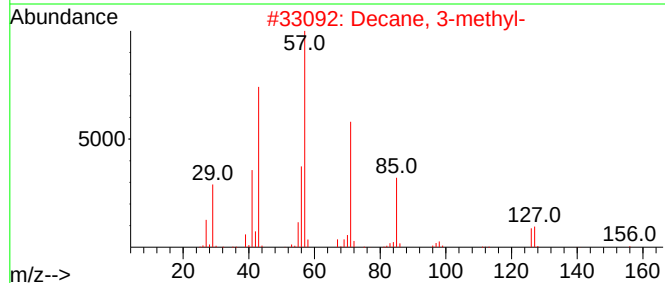
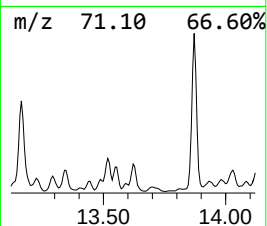
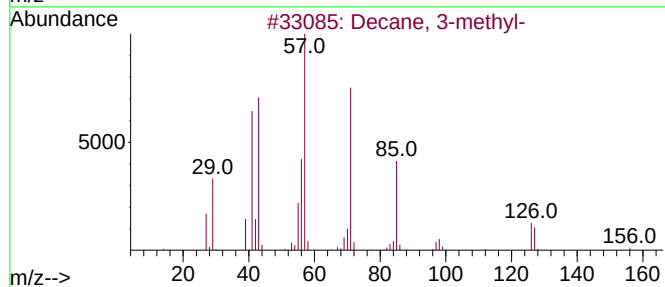
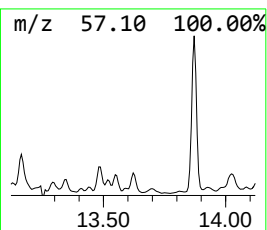
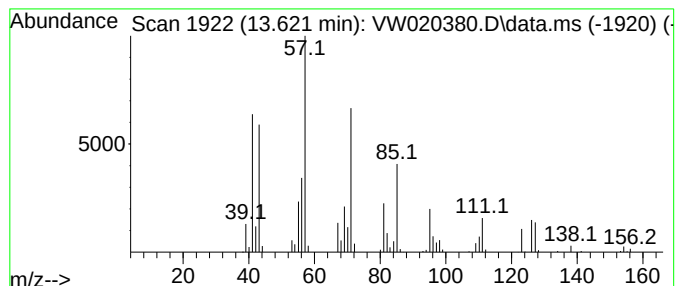
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	17.38 ug/L	115863	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 3-methyl-	156	C11H24	013151-34-3	95
2		Decane, 3-methyl-	156	C11H24	013151-34-3	59
3		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	53
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

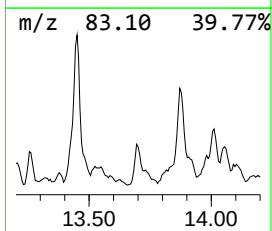
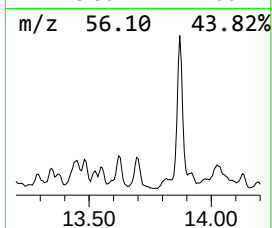
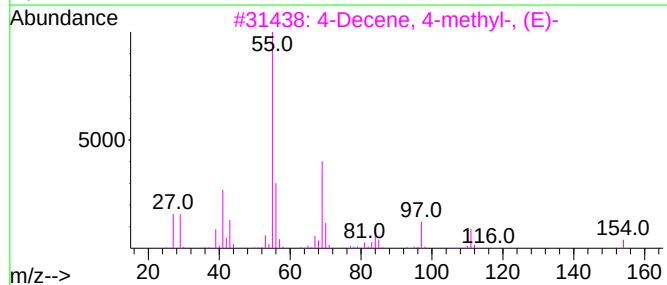
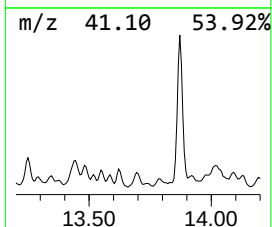
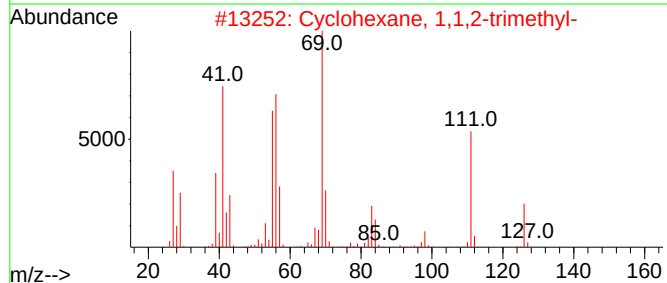
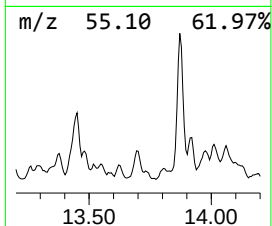
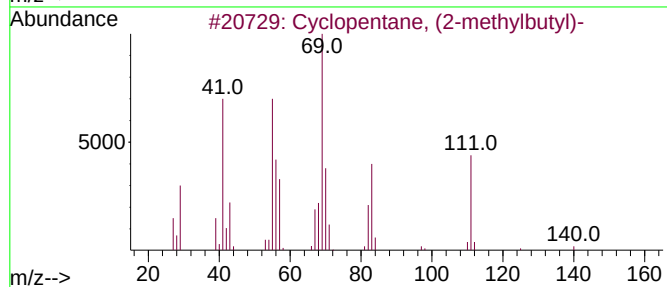
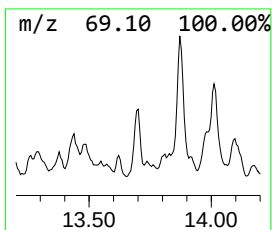
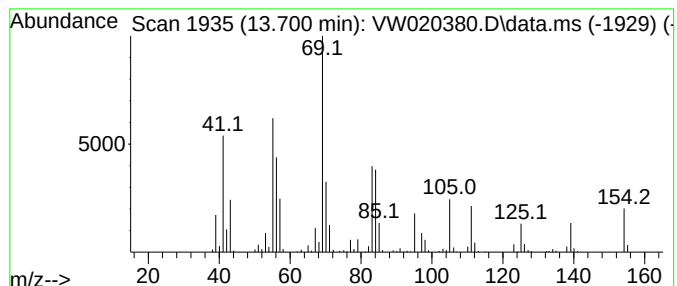
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Cyclic13.701 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.701	31.99 ug/L	213212	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43
3		4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	43
4		Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38
5		2-Pentene, 3-methyl-	84	C6H12	000922-61-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

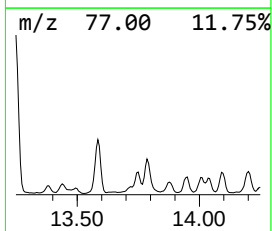
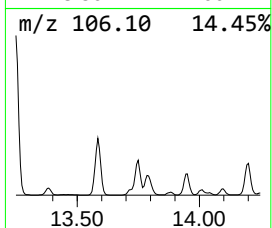
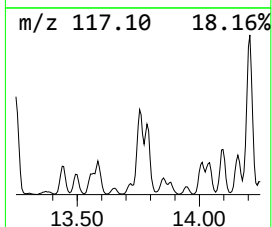
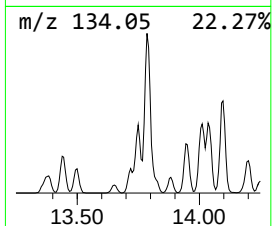
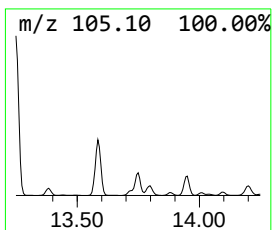
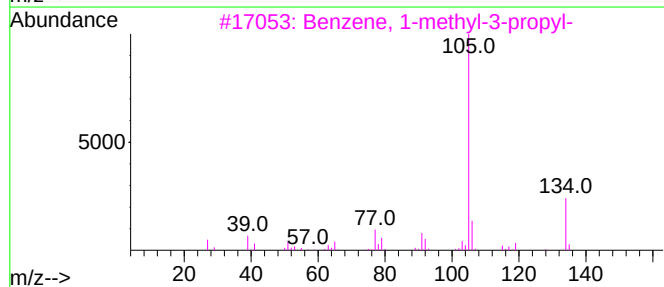
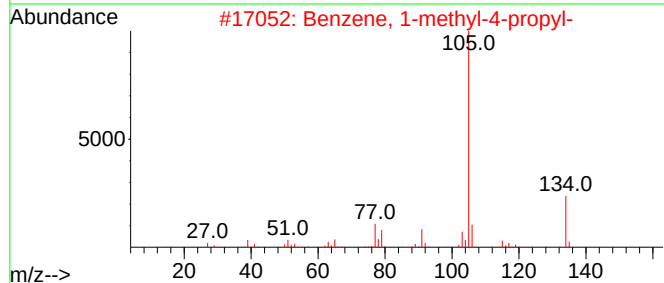
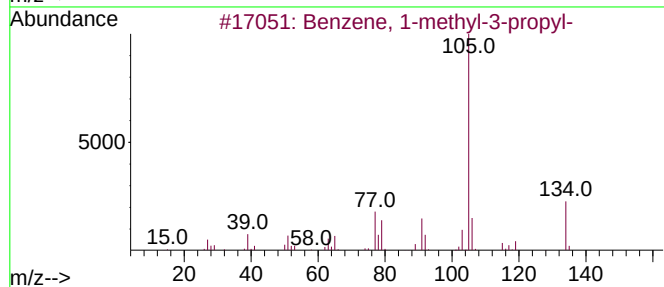
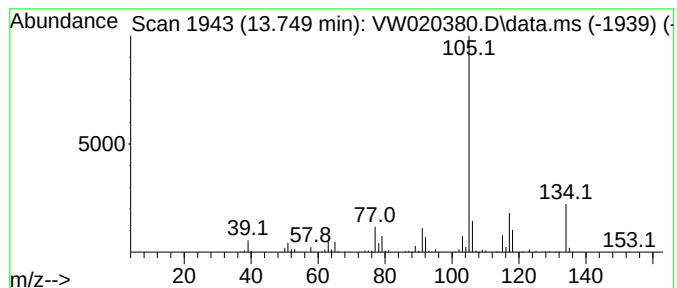
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, 1-methyl-3-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	26.96 ug/L	179650	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	81
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	81
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	74
5			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

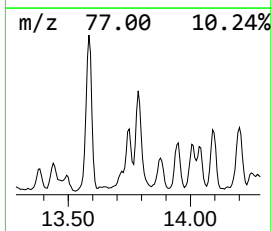
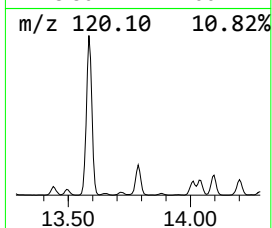
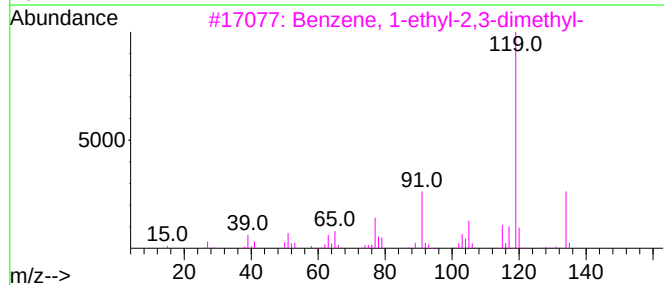
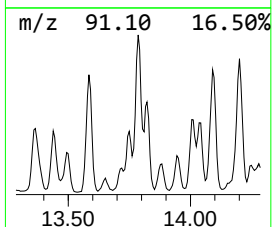
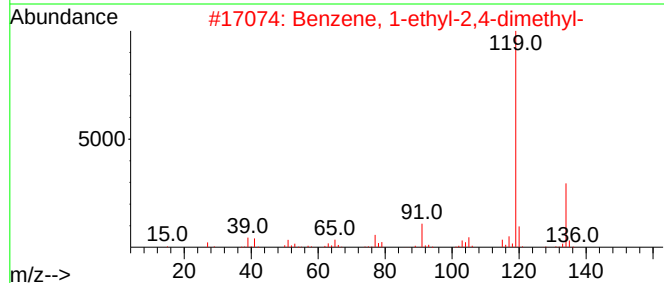
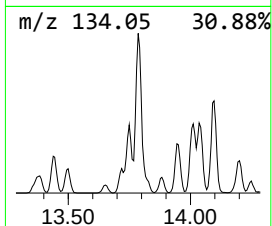
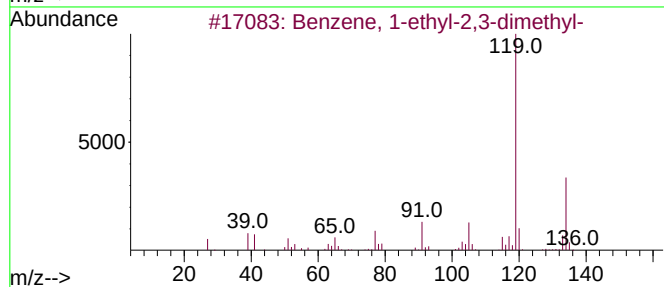
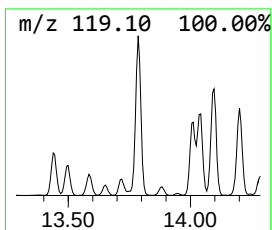
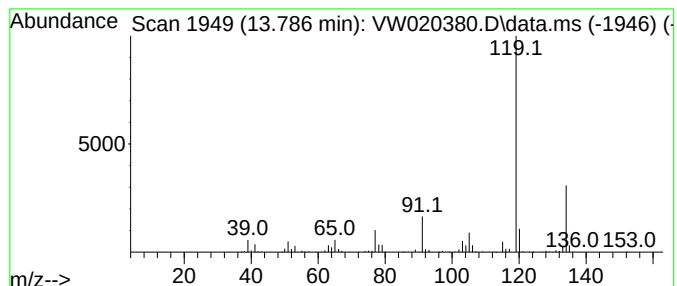
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	64.25 ug/L	428228	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

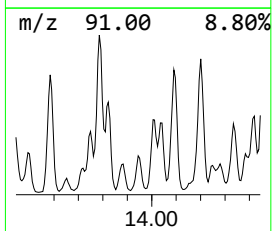
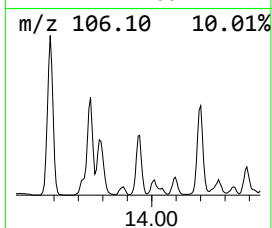
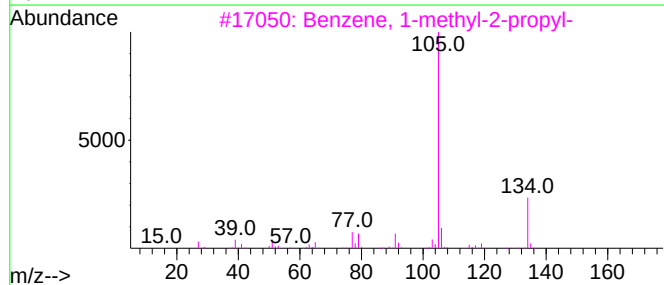
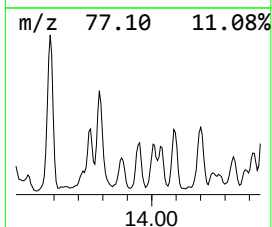
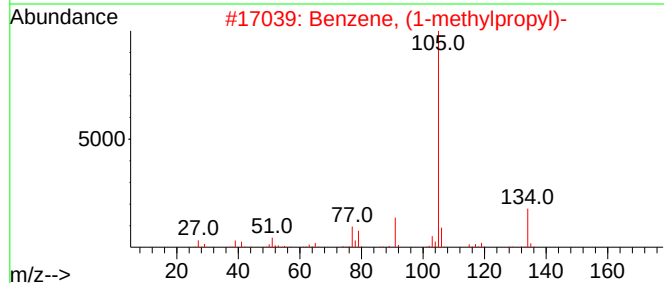
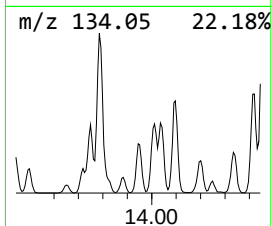
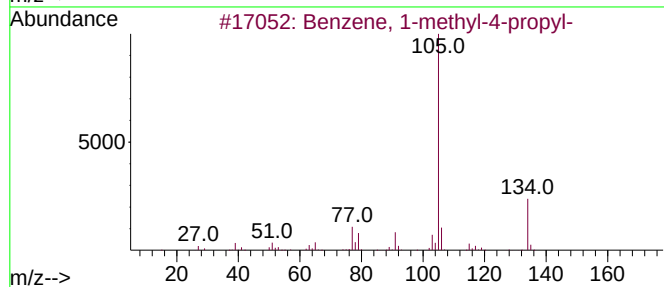
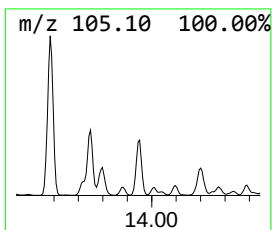
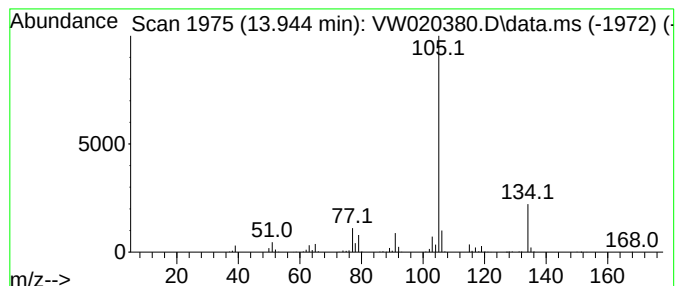
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, 1-methyl-4-propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	14.89 ug/L	99233	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

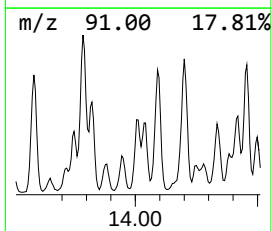
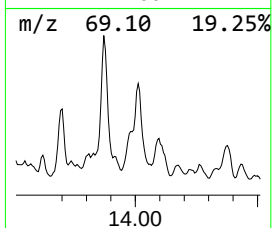
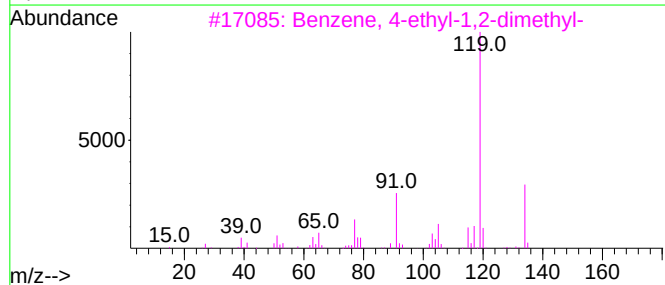
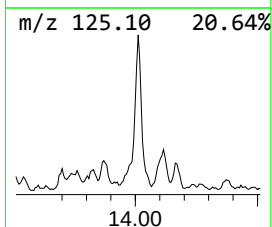
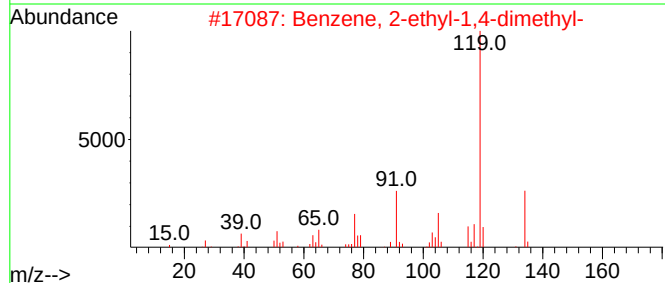
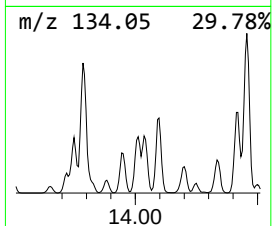
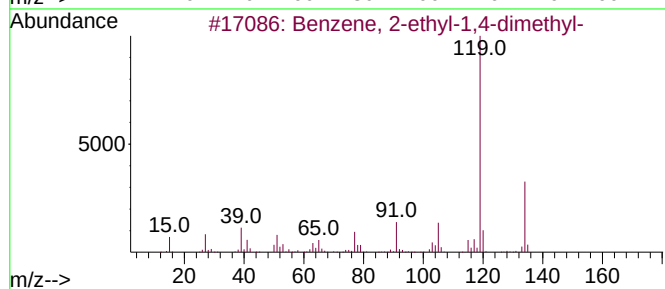
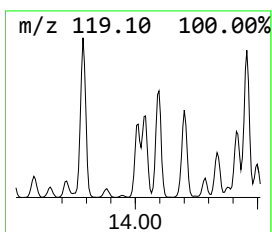
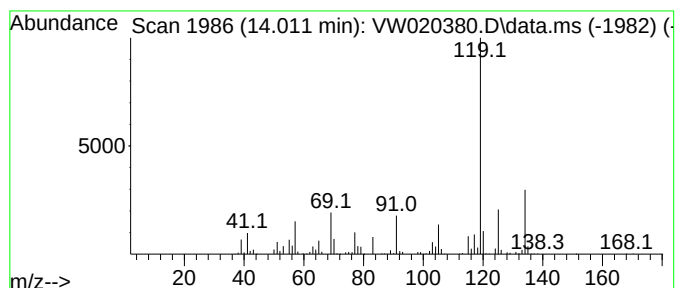
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Quant Title : SFAM01.0

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

Peak Number 45 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	39.84 ug/L	265519	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

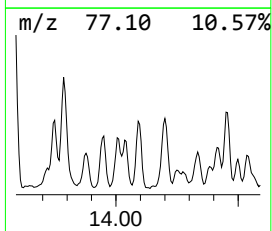
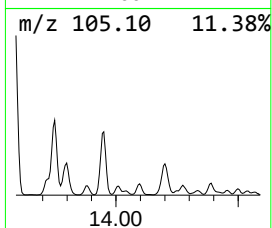
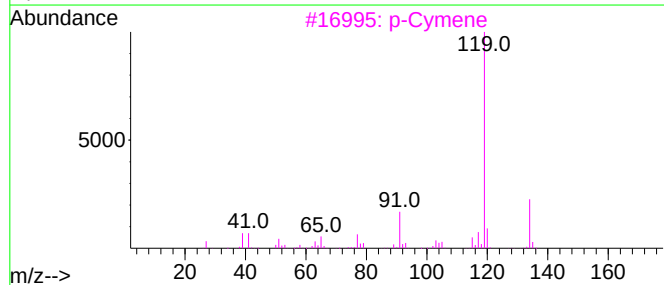
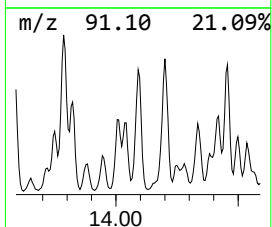
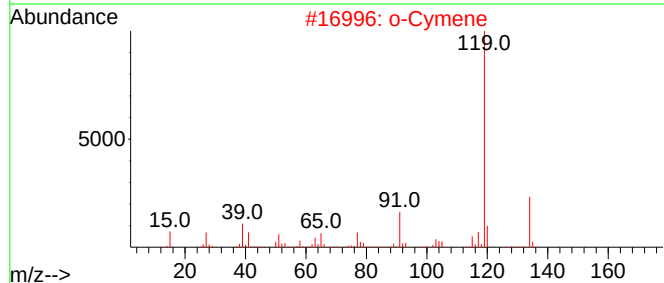
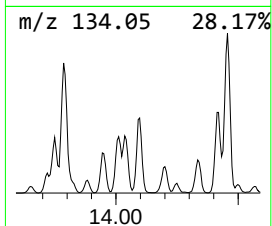
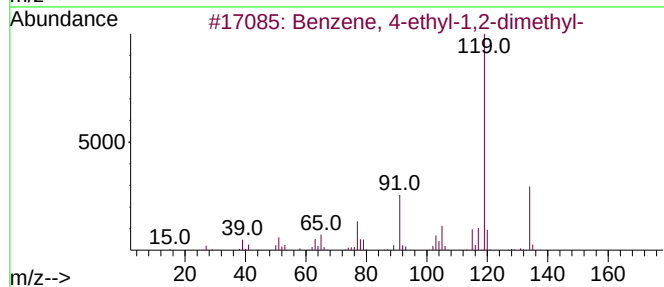
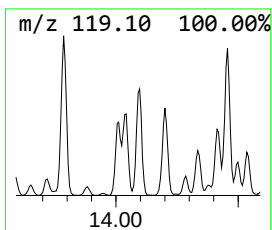
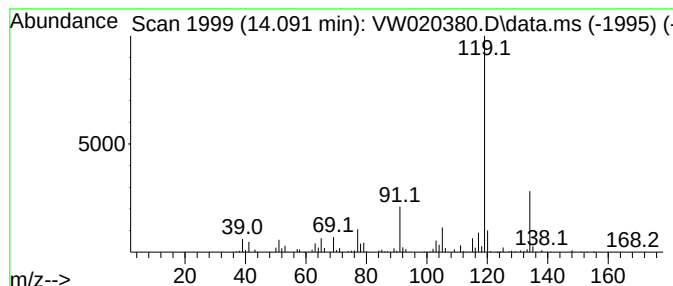
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Quant Title : SFAM01.0

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

Peak Number 46 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	47.02 ug/L	313346	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2			o-Cymene	134	C10H14	000527-84-4	95
3			p-Cymene	134	C10H14	000099-87-6	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

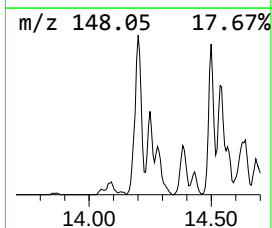
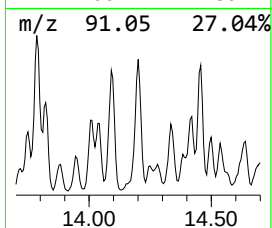
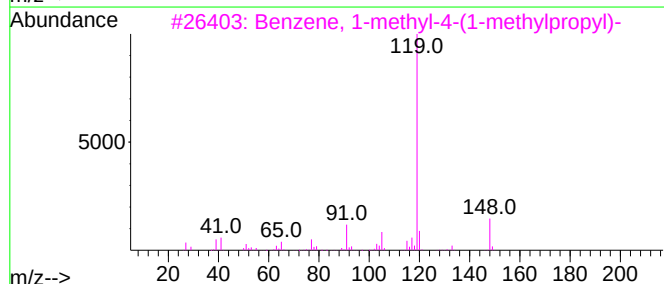
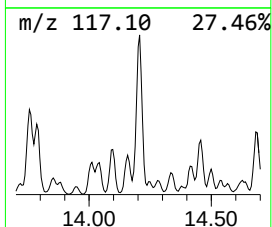
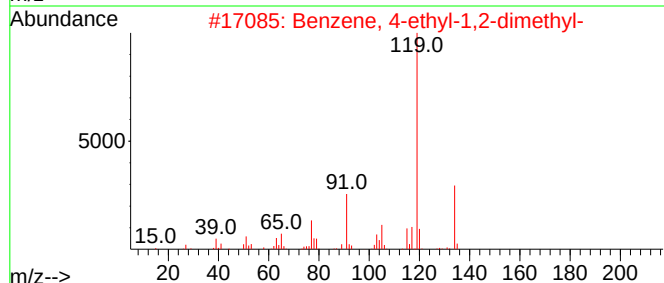
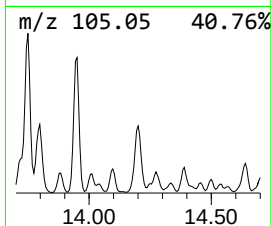
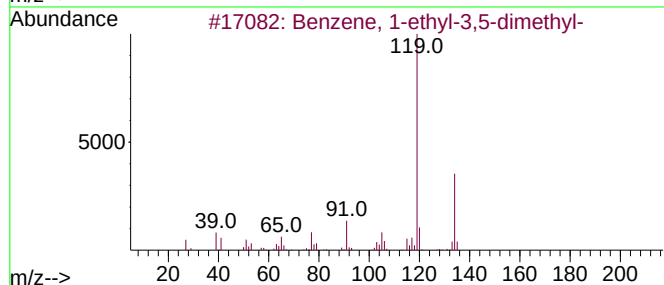
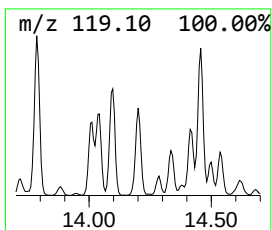
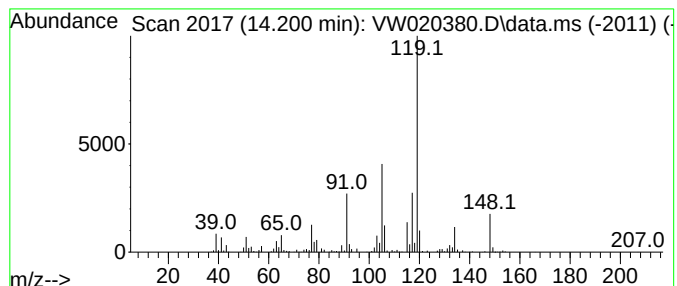
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Quant Title : SFAM01.0

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

Peak Number 47 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	67.20 ug/L	447855	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

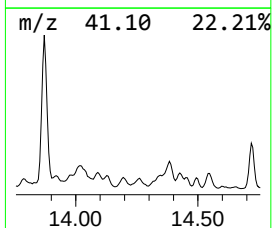
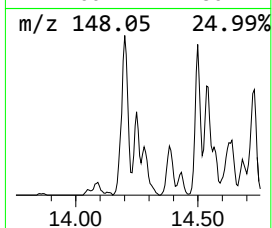
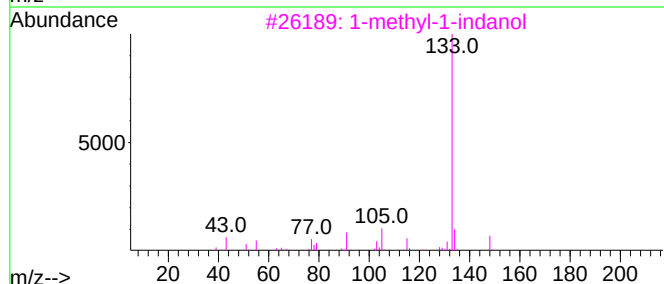
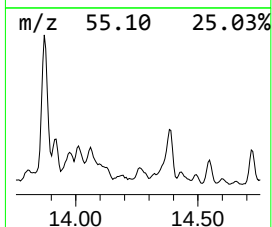
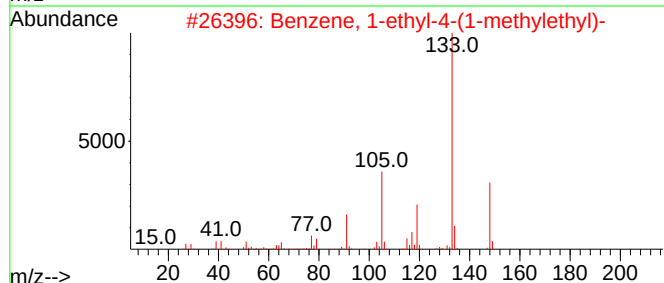
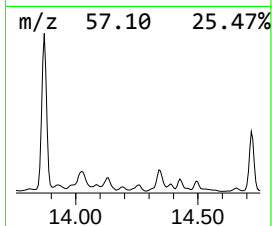
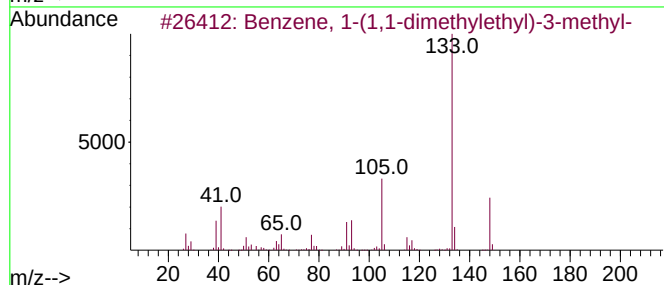
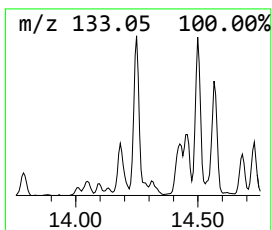
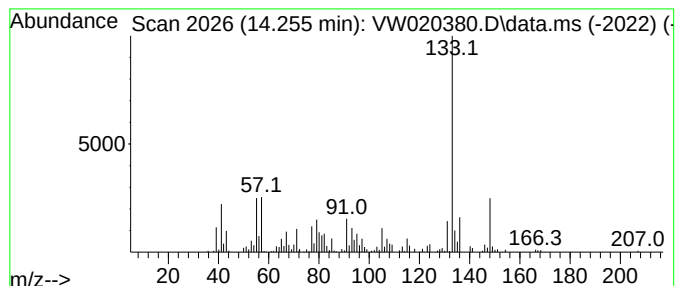
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 Benzene, 1-(1,1-dimethyleth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.255	30.88 ug/L	205837	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...		148	C11H16	001075-38-3	64
2	Benzene, 1-ethyl-4-(1-methylethyl)-		148	C11H16	004218-48-8	62
3	1-methyl-1-indanol		148	C10H12O	064666-42-8	62
4	Benzene, 1,3-dimethyl-5-(1-methy...		148	C11H16	004706-90-5	62
5	Benzene, 1-(1,1-dimethylethyl)-3...		148	C11H16	001075-38-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

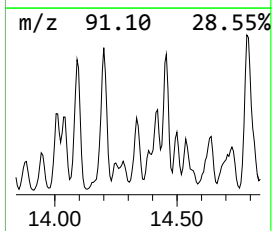
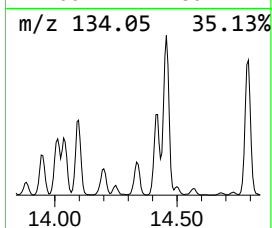
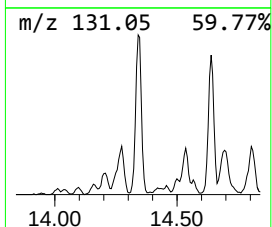
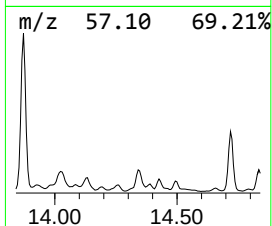
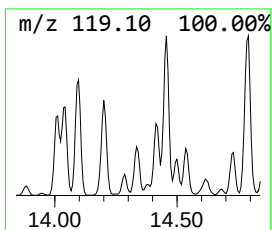
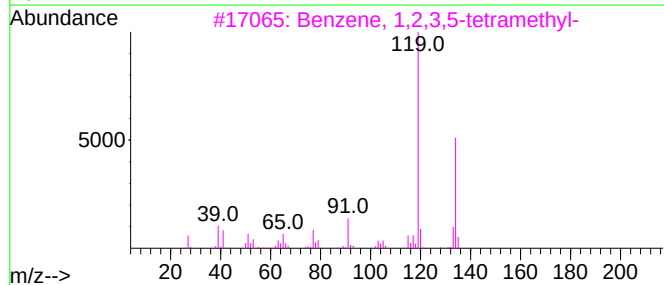
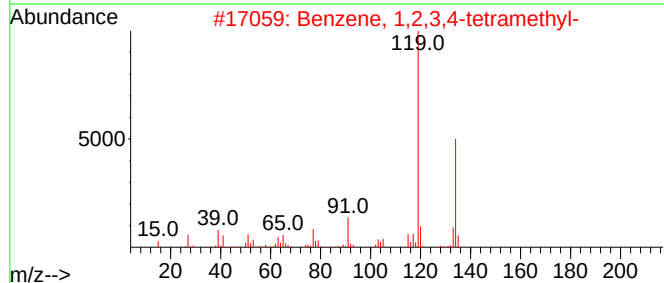
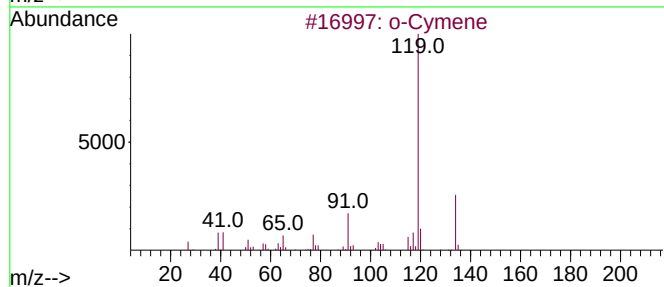
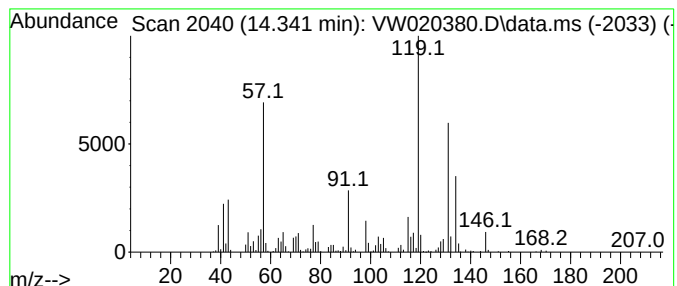
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.341	46.45 ug/L	309586	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	60
2	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	60
3	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	60
4	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	60
5	p-Cymene		134	C10H14	000099-87-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

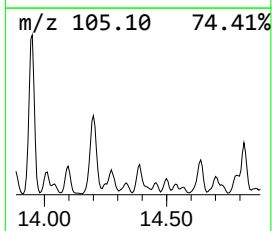
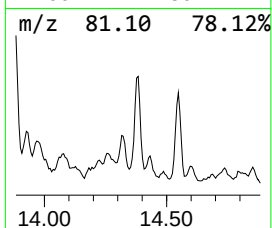
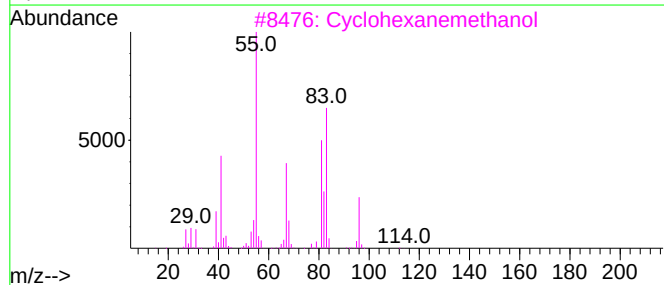
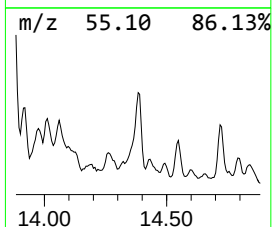
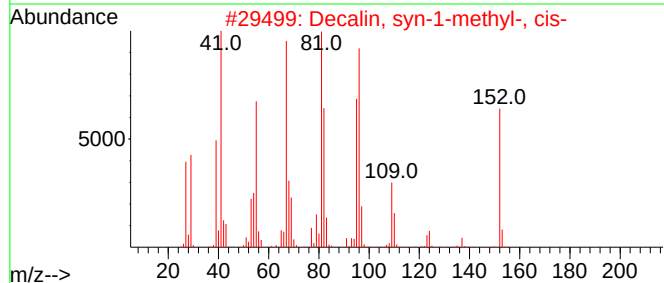
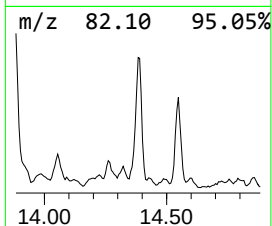
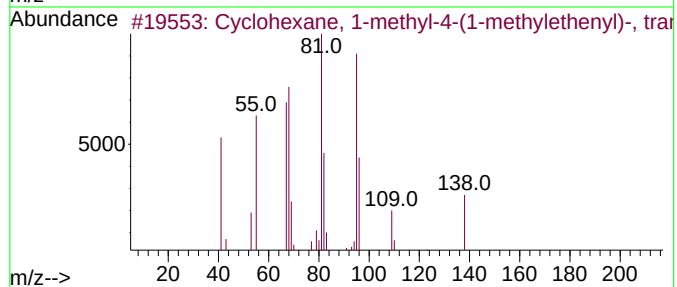
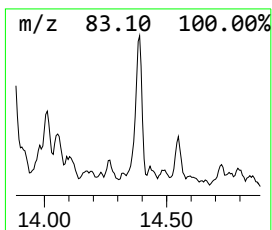
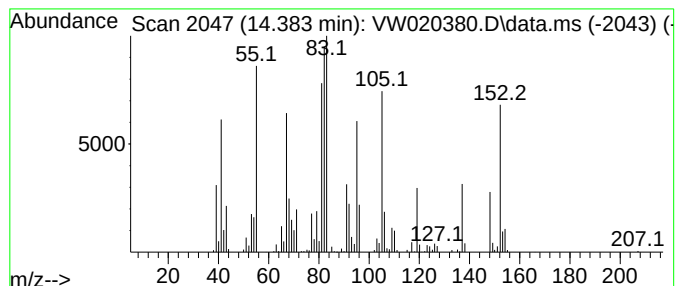
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Quant Title : SFAM01.0

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

Peak Number 50 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	48.70 ug/L	324559	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	38
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	38
3			Cyclohexanemethanol	114	C7H14O	000100-49-2	38
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	38
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

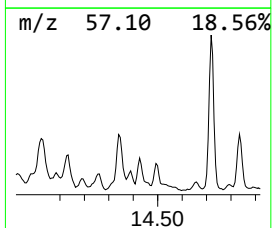
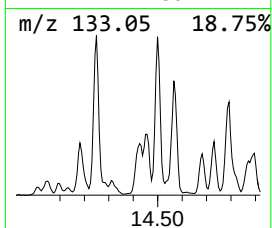
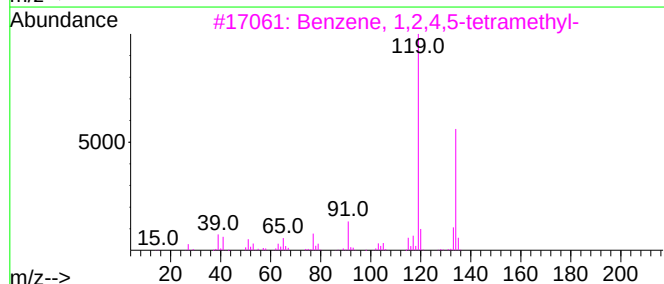
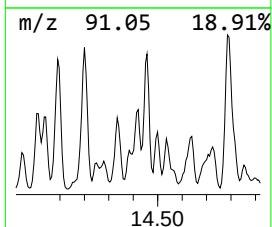
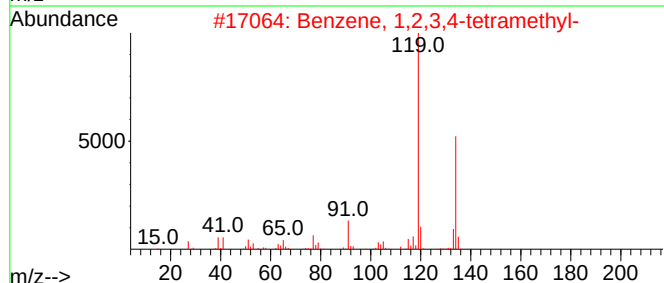
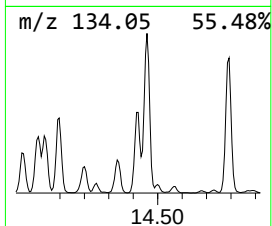
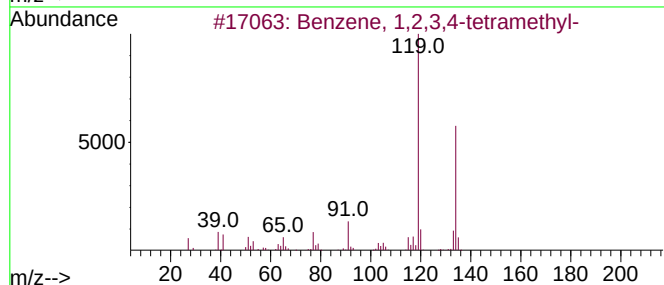
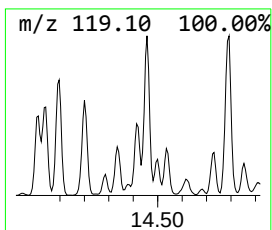
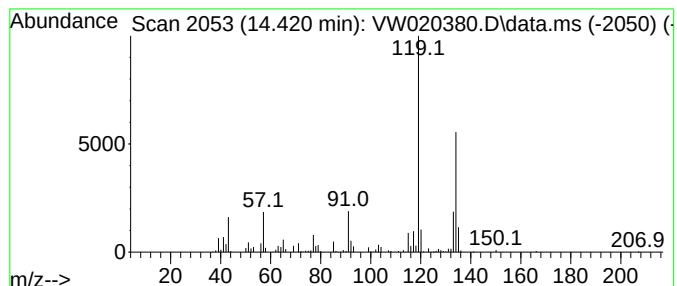
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Quant Title : SFAM01.0

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

Peak Number 51 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	40.96 ug/L	273005	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

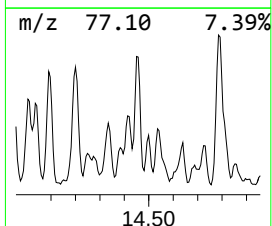
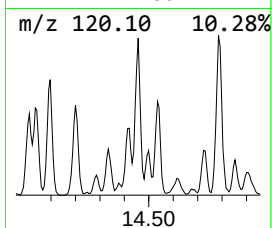
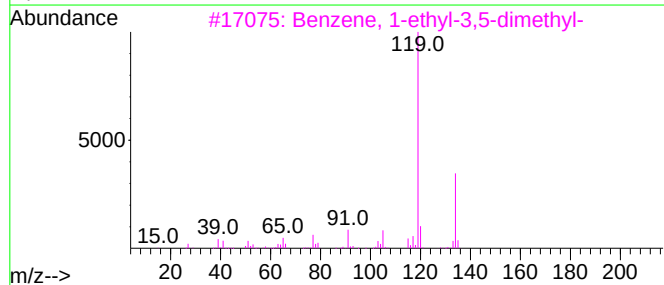
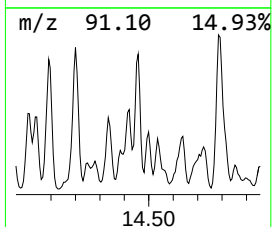
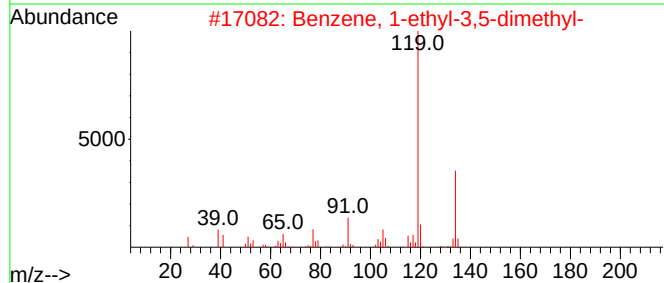
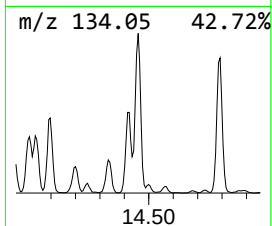
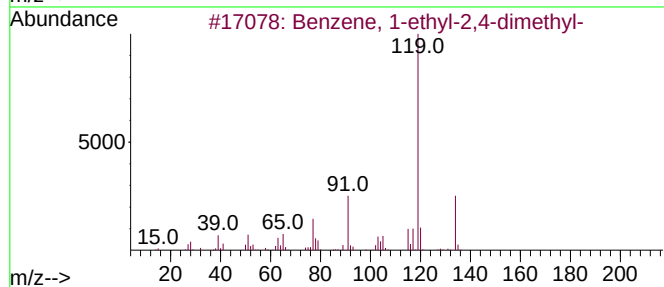
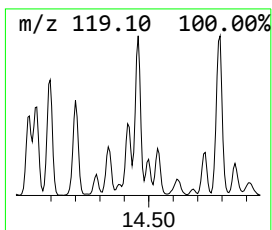
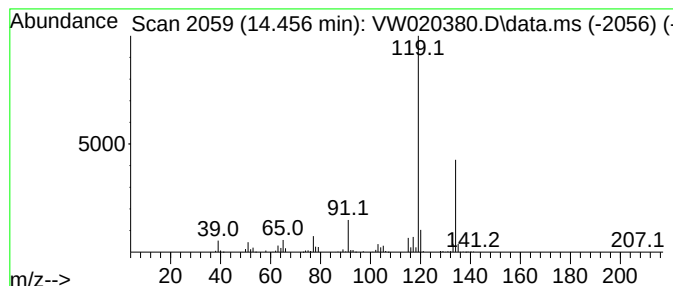
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Quant Title : SFAM01.0

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

Peak Number 52 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	53.45 ug/L	356251	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

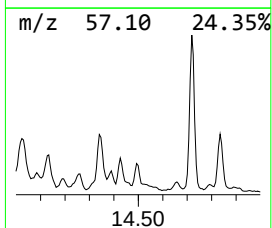
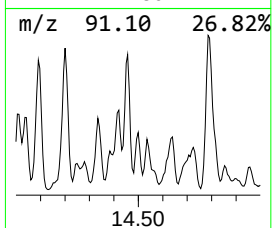
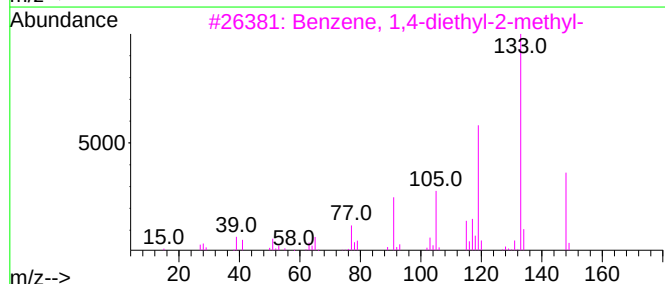
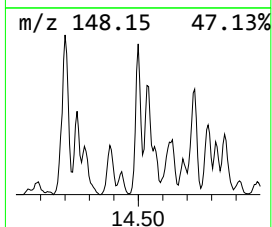
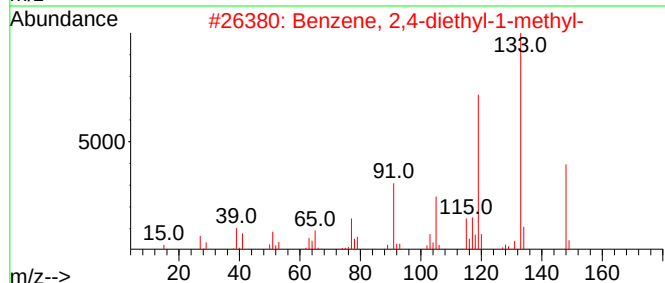
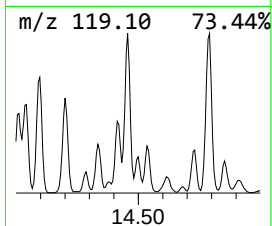
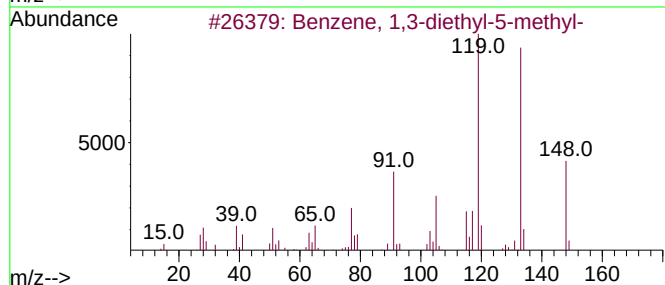
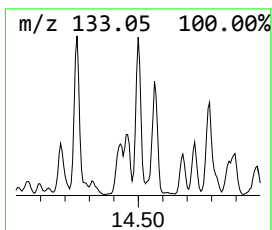
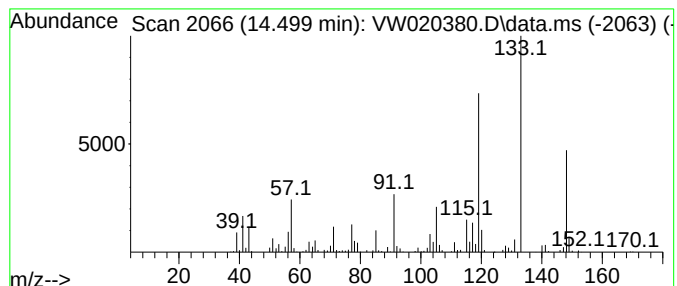
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Quant Title : SFAM01.0

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

Peak Number 53 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	22.17 ug/L	147750	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
3			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	76
5			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

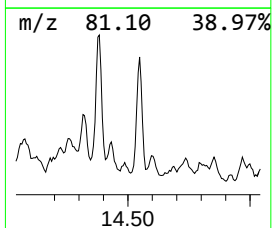
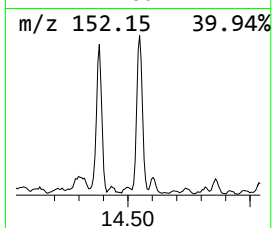
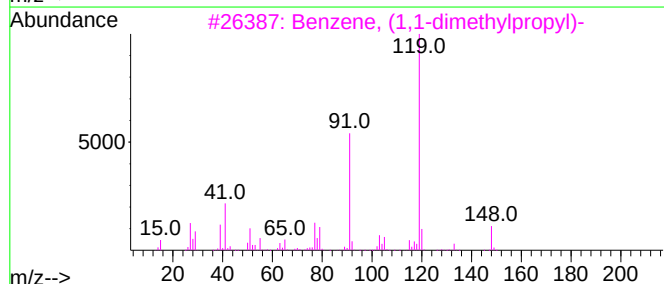
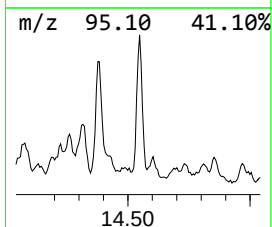
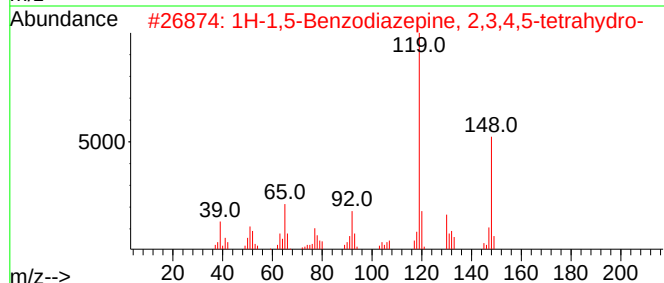
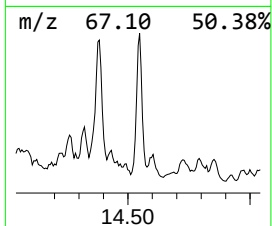
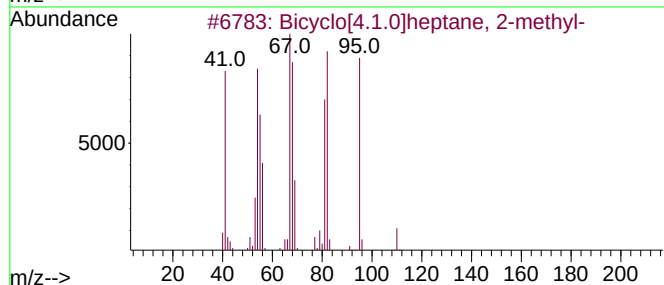
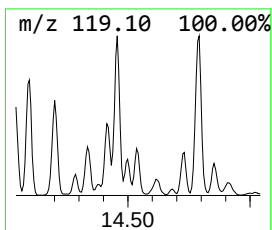
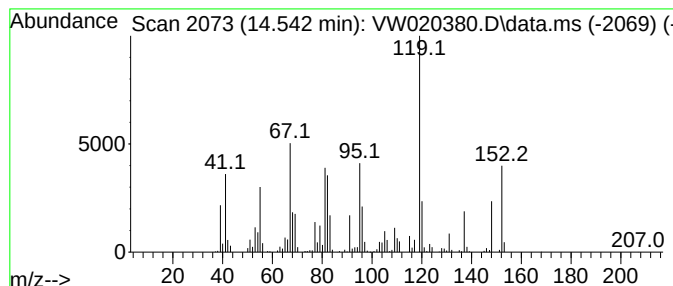
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Quant Title : SFAM01.0

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

Peak Number 54 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	50.83 ug/L	338767	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	30
2			1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	27
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
4			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	22
5			3-Nonyne	124	C9H16	020184-89-8	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

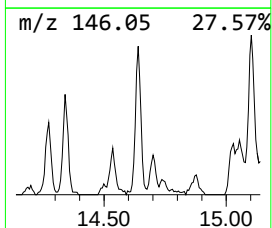
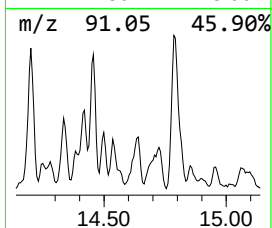
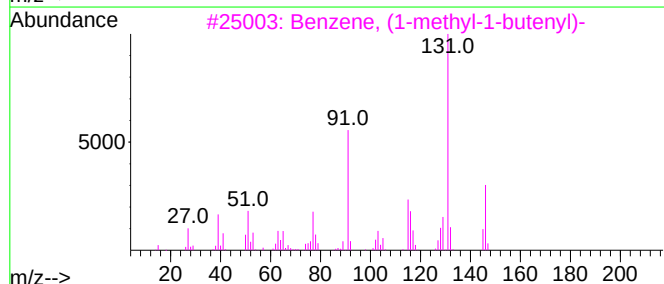
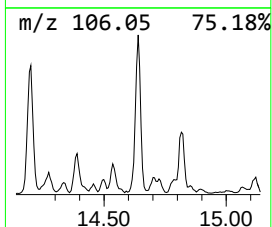
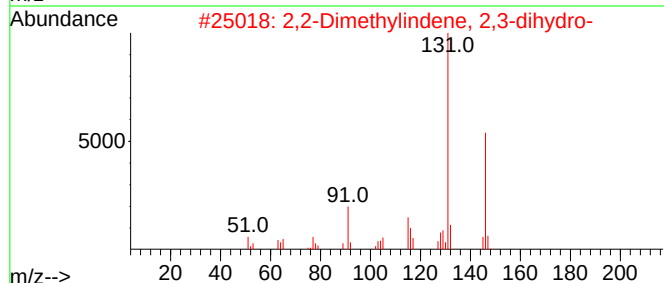
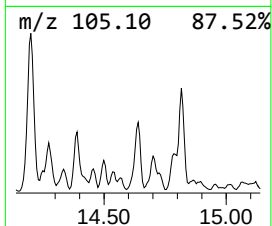
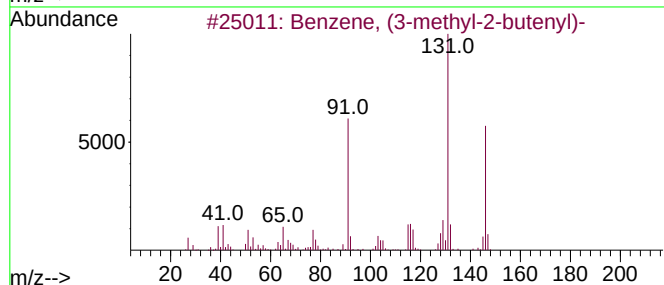
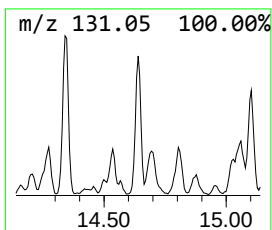
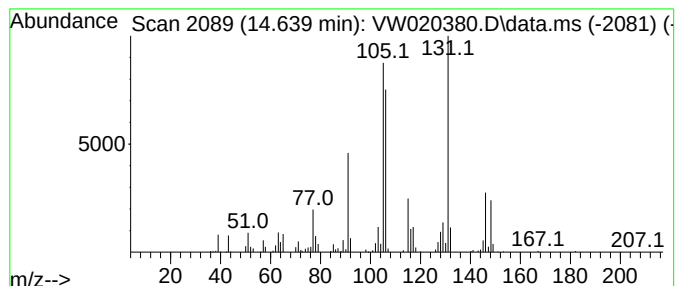
Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 55 Benzene, (3-methyl-2-butenyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.639	20.88 ug/L	139182	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-		146	C11H14	004489-84-3	90
2	2,2-Dimethylindene, 2,3-dihydro-		146	C11H14	020836-11-7	78
3	Benzene, (1-methyl-1-butenyl)-		146	C11H14	053172-84-2	78
4	Benzene, (3-methyl-2-butenyl)-		146	C11H14	004489-84-3	60
5	1H-Indene, 2,3-dihydro-1,3-dimet...		146	C11H14	004175-53-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

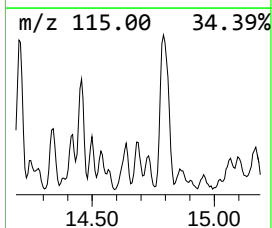
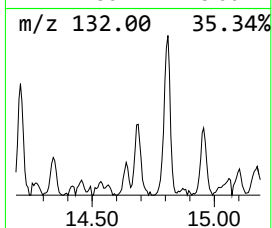
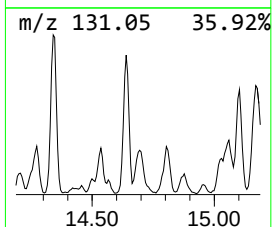
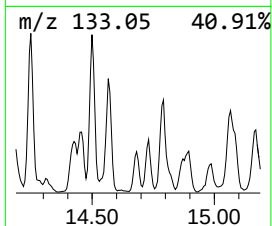
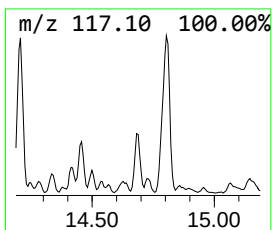
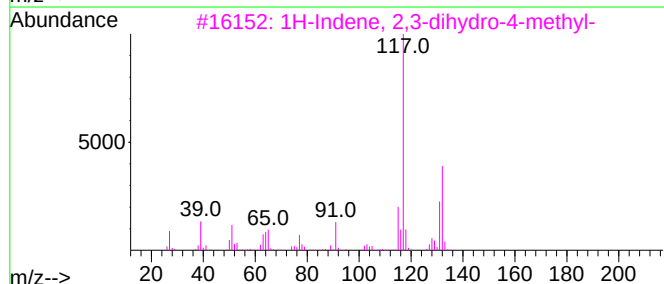
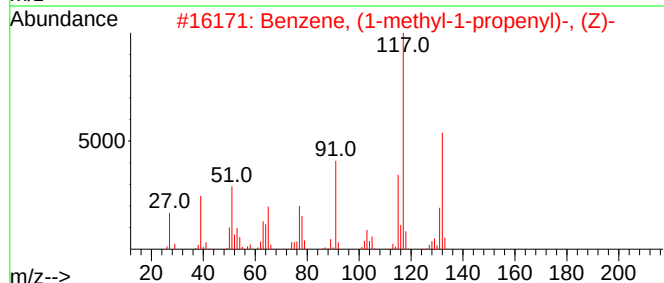
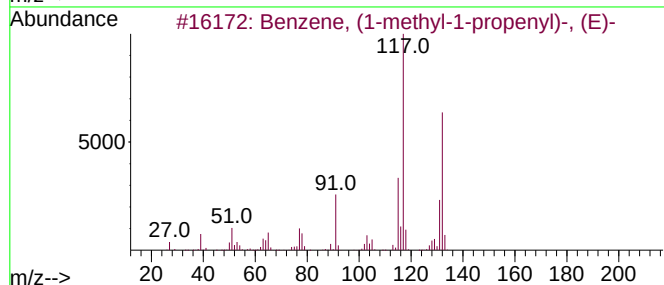
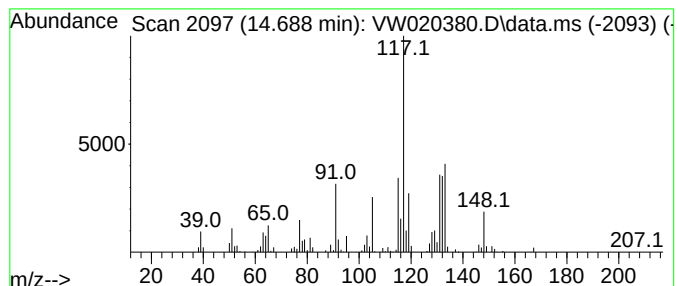
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Quant Title : SFAM01.0

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

Peak Number 56 Benzene, (1-methyl-1-propen... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	7.94 ug/L	52895	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
2			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	52
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	52
5			Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

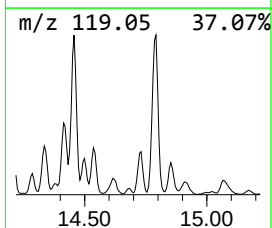
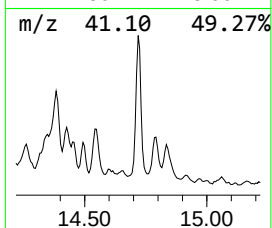
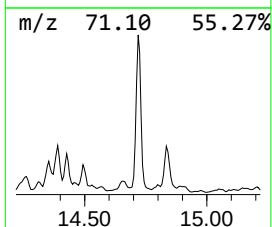
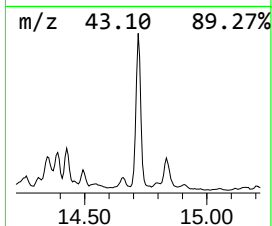
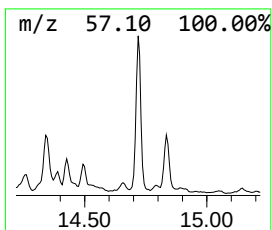
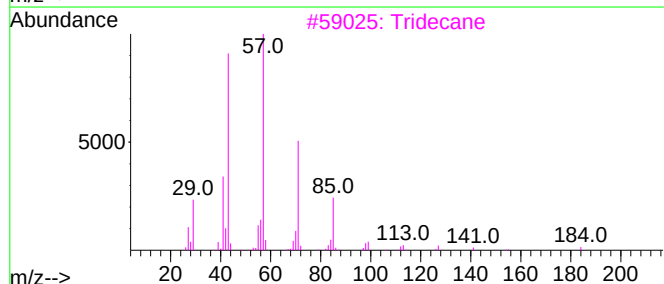
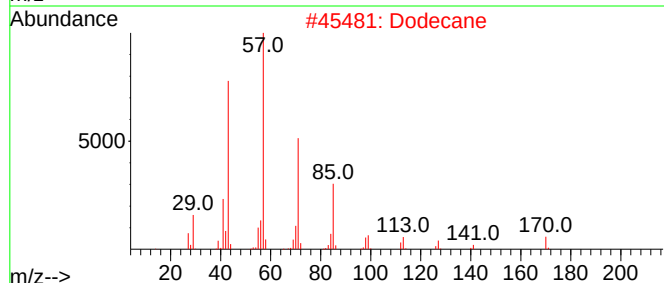
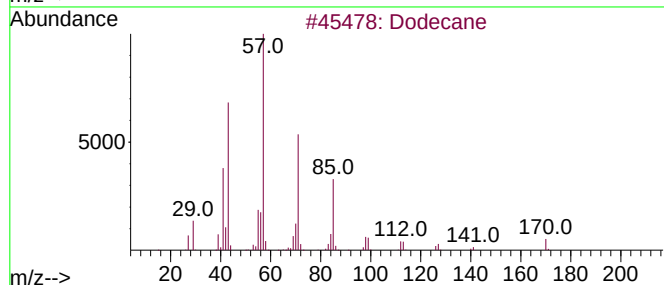
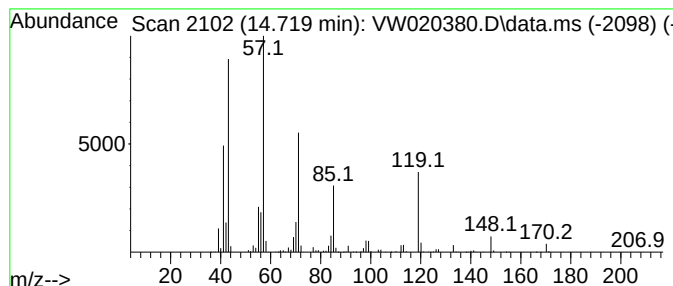
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Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	71.12 ug/L	474011	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	76
2		Dodecane	170	C12H26	000112-40-3	68
3		Tridecane	184	C13H28	000629-50-5	58
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	58
5		Hexadecane	226	C16H34	000544-76-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

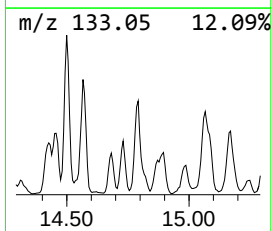
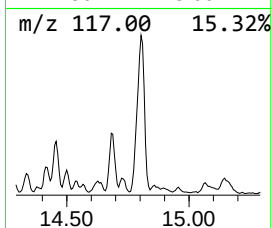
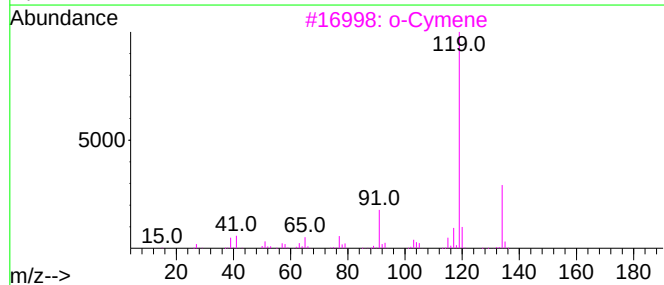
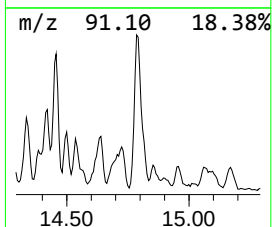
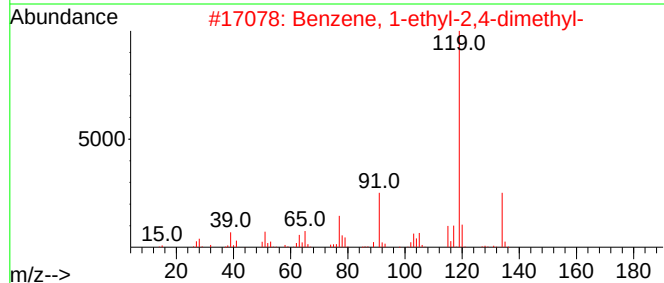
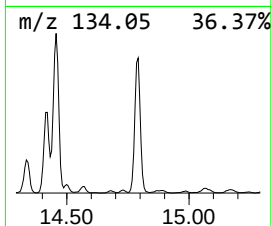
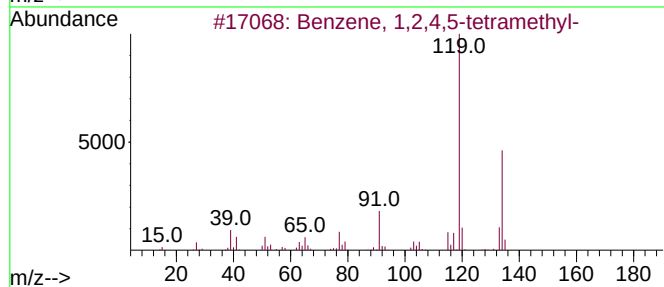
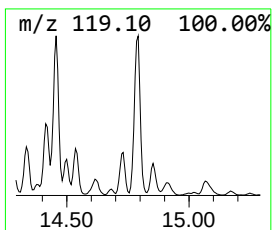
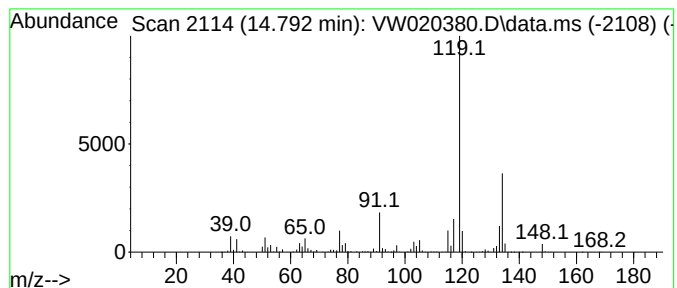
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 58 unknown-04

Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	114.47 ug/L	762932	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3			o-Cymene	134	C10H14	000527-84-4	93
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

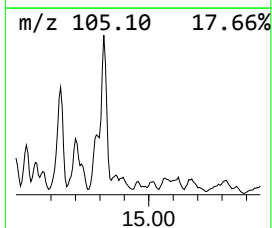
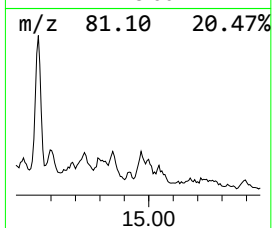
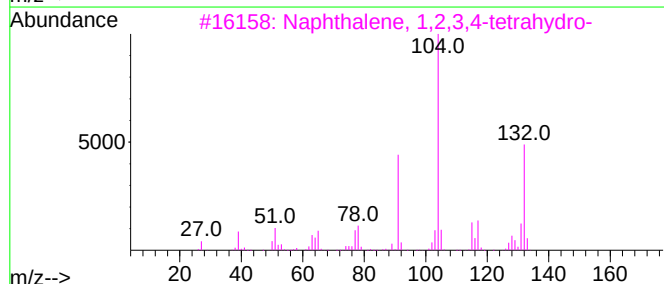
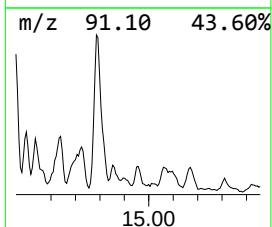
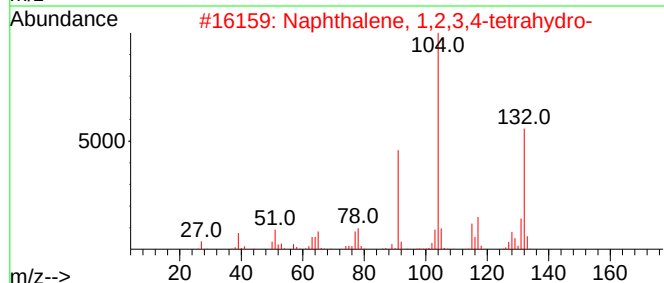
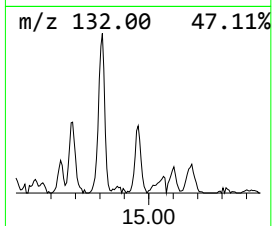
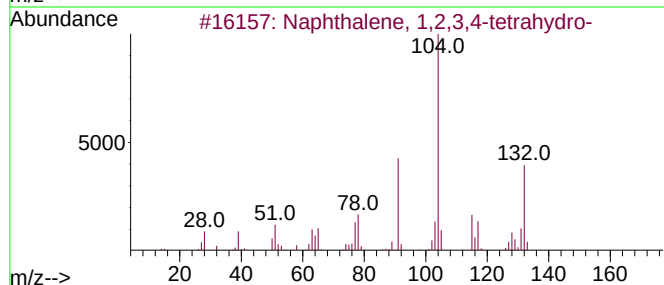
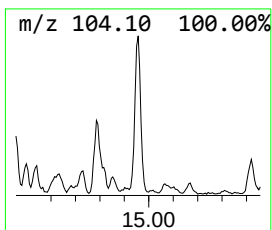
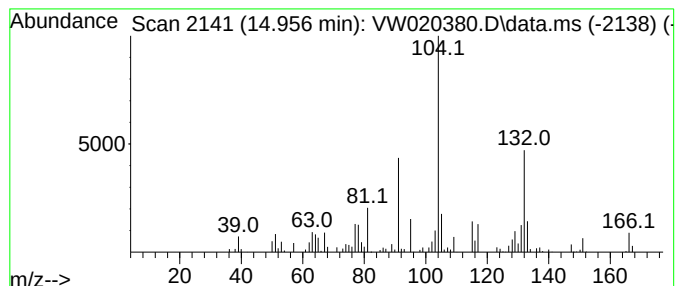
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Quant Title : SFAM01.0

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

Peak Number 59 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	5.04 ug/L	33569	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

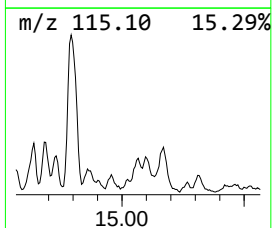
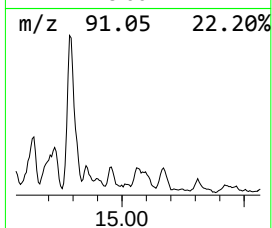
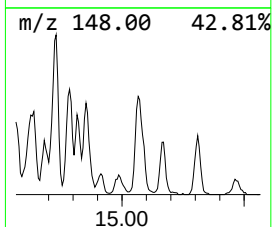
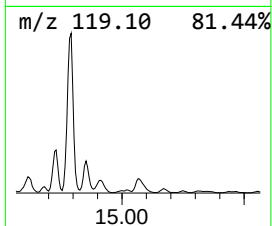
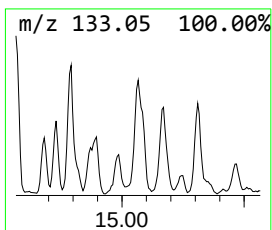
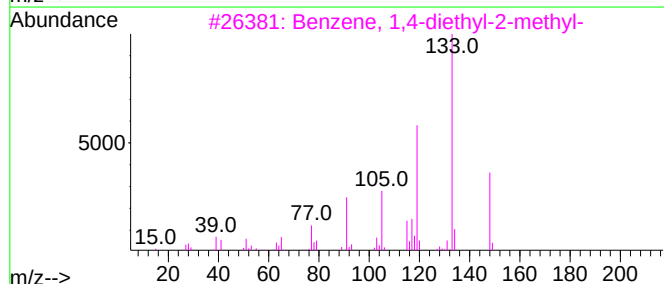
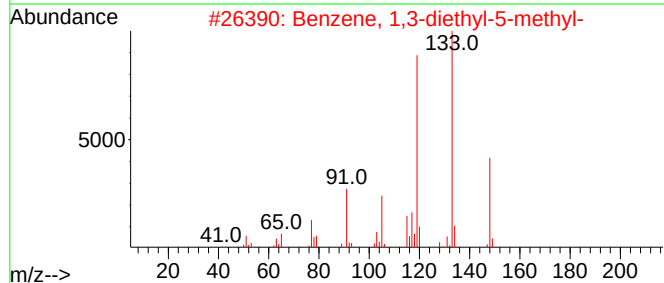
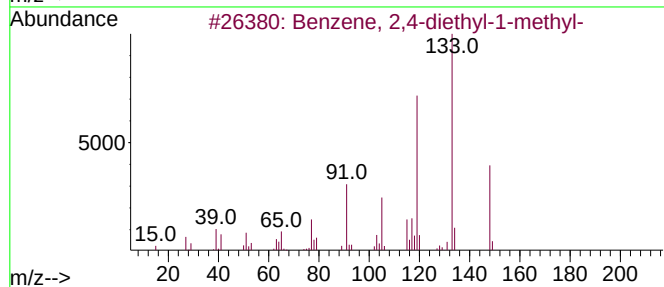
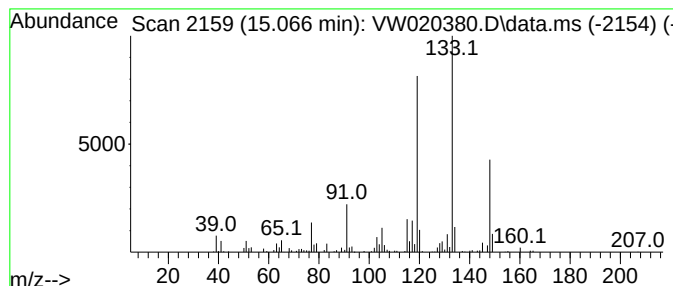
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MSVOA_W
ClientSampleId :
EW7E0

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Quant Title : SFAM01.0

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

Peak Number 60 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.066	12.83 ug/L	85536	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-		148	C11H16	001758-85-6	94
2	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	94
3	Benzene, 1,4-diethyl-2-methyl-		148	C11H16	013632-94-5	94
4	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	81
5	Benzene, pentamethyl-		148	C11H16	000700-12-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

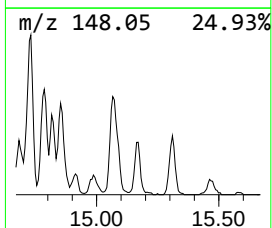
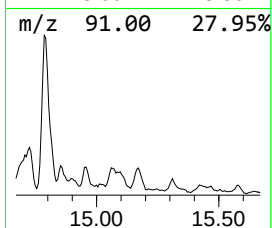
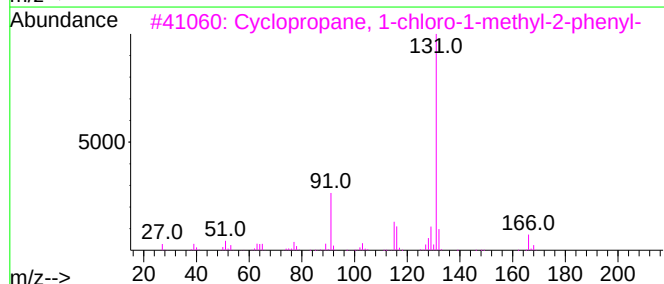
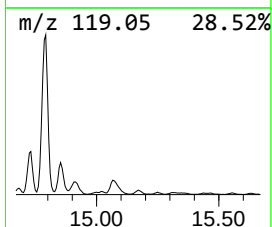
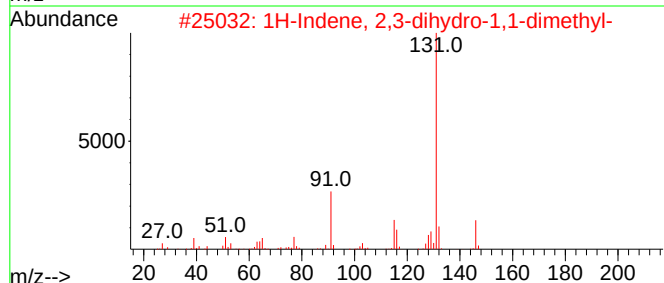
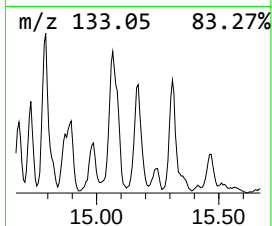
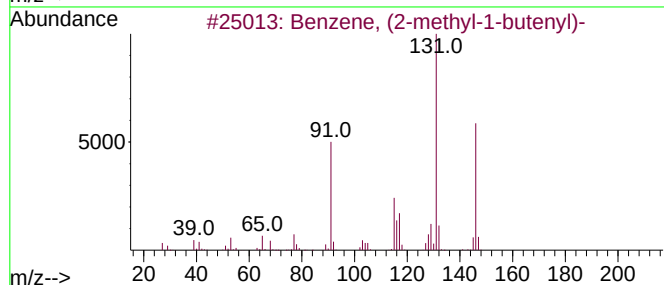
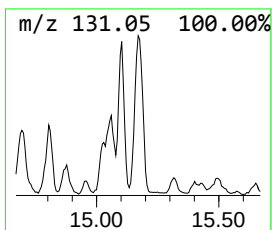
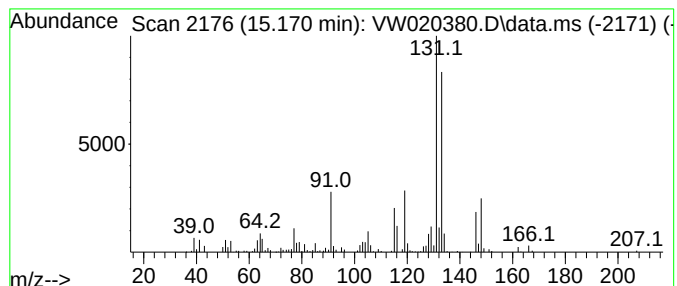
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Quant Title : SFAM01.0

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

Peak Number 61 Benzene, (2-methyl-1-butenyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	16.32 ug/L	108769	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	55
3			Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	50
4			2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	50
5			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

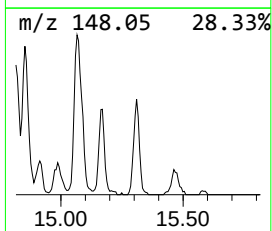
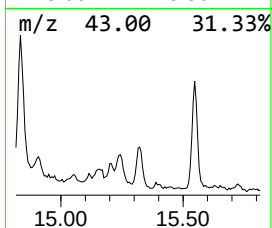
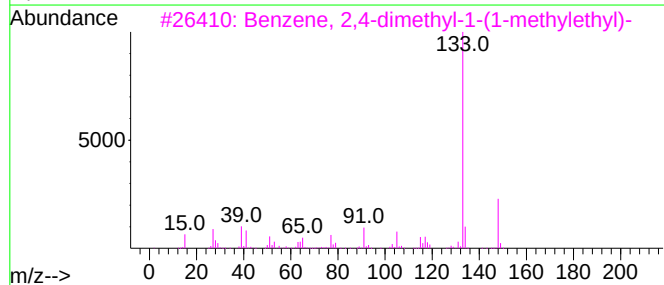
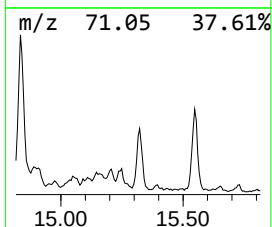
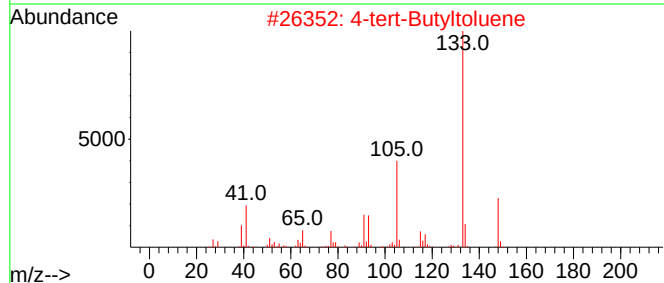
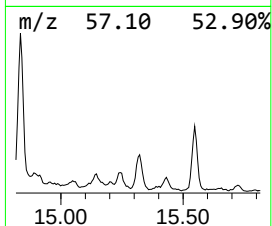
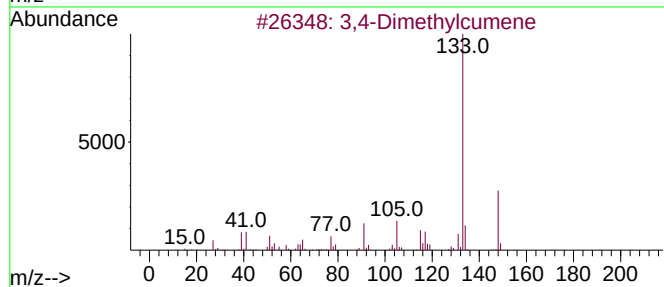
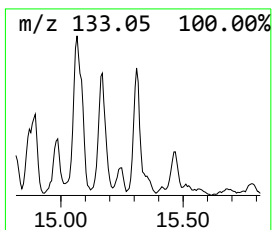
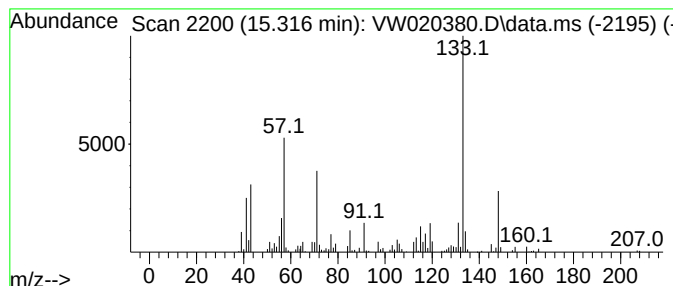
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Quant Title : SFAM01.0

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

Peak Number 62 3,4-Dimethylcumene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	9.90 ug/L	66003	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethylcumene	148	C11H16	1000370-34-1	70
2			4-tert-Butyltoluene	148	C11H16	000098-51-1	64
3			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
4			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	64
5			2-tert-Butyltoluene	148	C11H16	001074-92-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

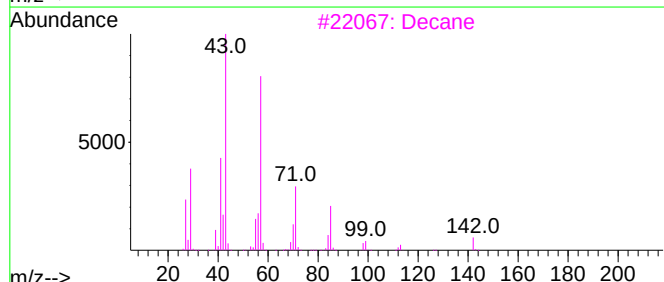
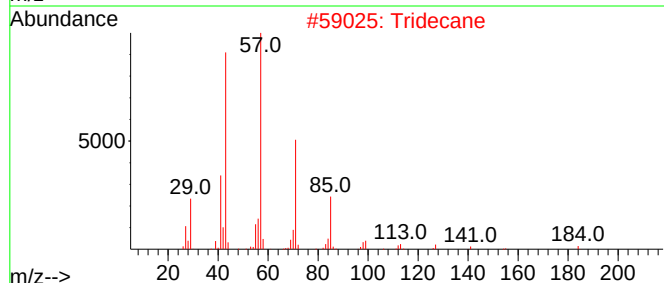
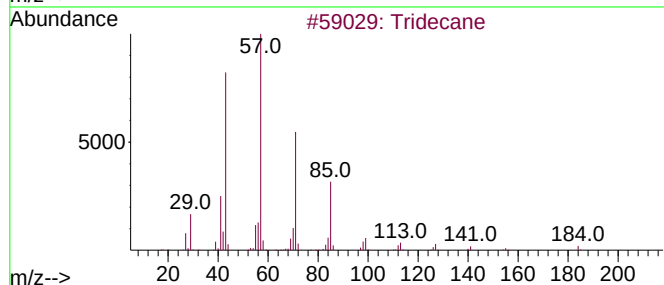
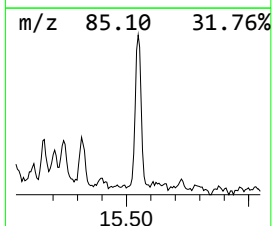
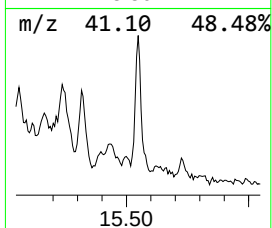
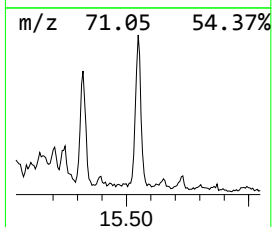
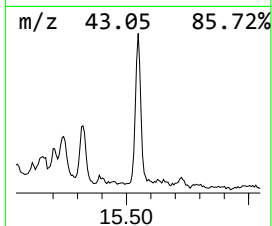
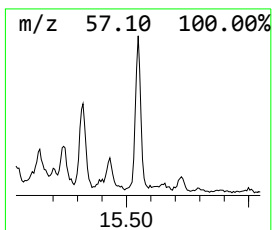
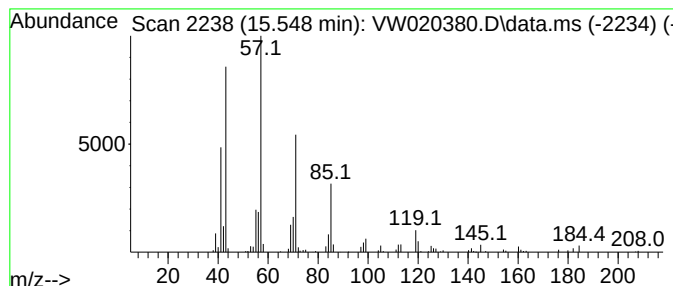
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.548	14.93 ug/L	99522	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	94
2	Tridecane		184	C13H28	000629-50-5	90
3	Decane		142	C10H22	000124-18-5	76
4	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	72
5	Tetradecane		198	C14H30	000629-59-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

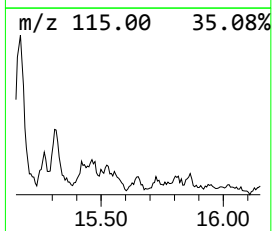
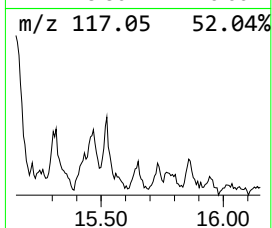
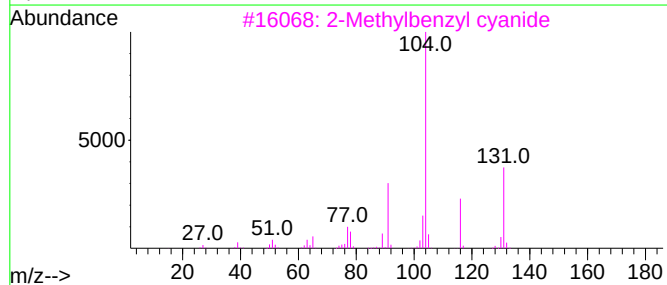
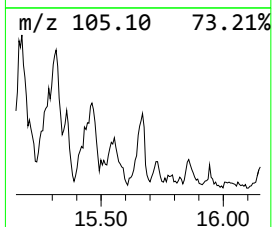
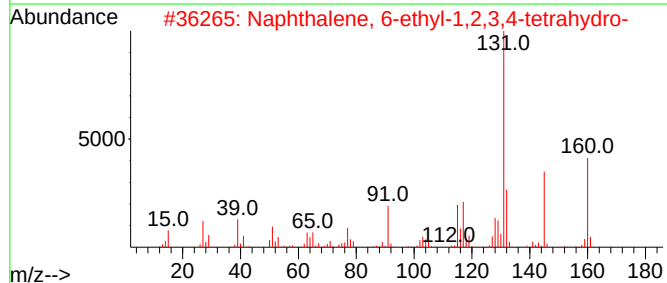
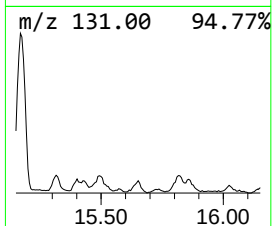
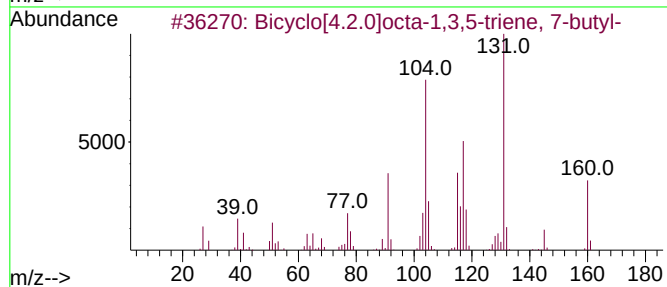
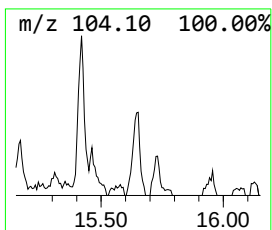
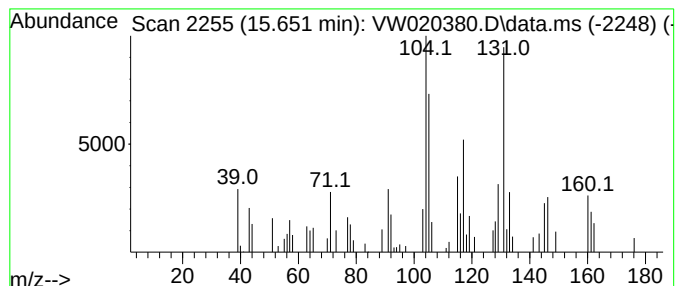
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Quant Title : SFAM01.0

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

Peak Number 64 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	4.02 ug/L	26759	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	76
2			Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	50
3			2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	49
4			2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46
5			Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

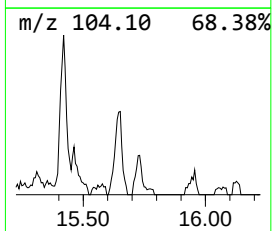
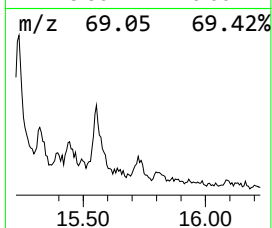
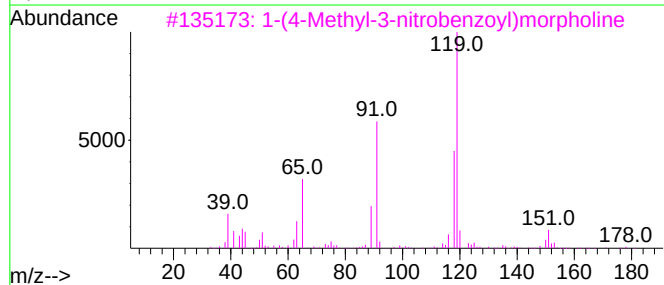
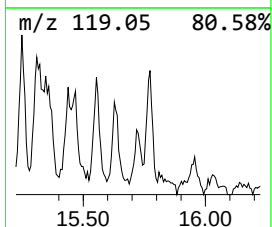
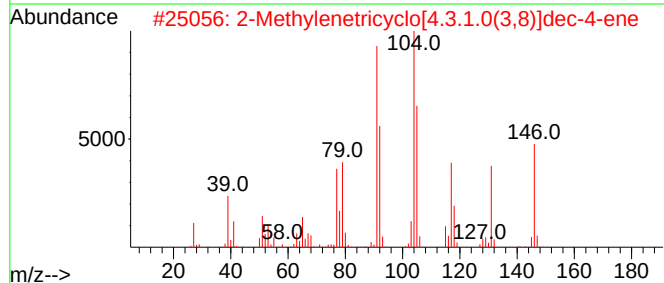
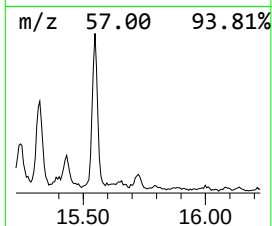
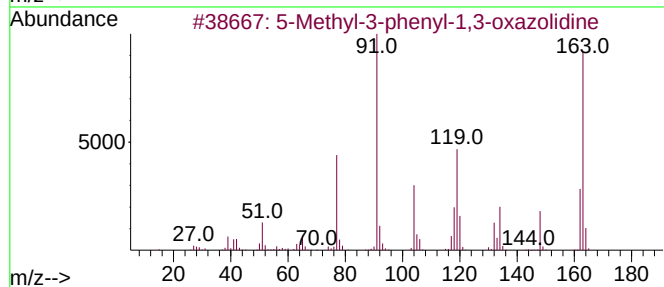
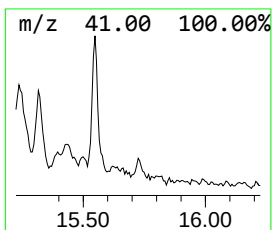
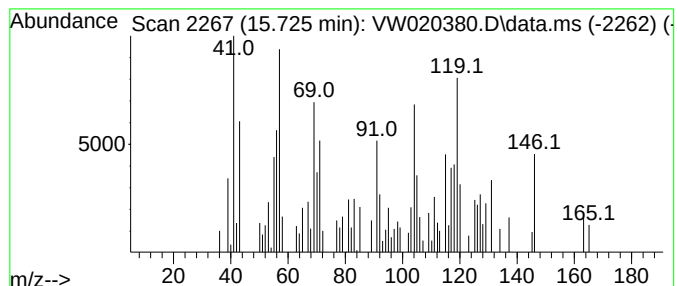
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Quant Title : SFAM01.0

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

Peak Number 65 unknown-05 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.725	3.04 ug/L	20264	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		5-Methyl-3-phenyl-1,3-oxazolidine	163	C10H13NO	073861-82-2	38
2		2-Methylenetricyclo[4.3.1.0(3,8)]dec-4-ene	146	C11H14	033566-64-2	35
3		1-(4-Methyl-3-nitrobenzoyl)morpholine	250	C12H14N2O4	174482-85-0	22
4		Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	14
5		1H-Cyclopropa[4,5]cyclopenta[1,2...]	164	C8H8N2O2	1268882-43-4	12



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
Data File : VW020380.D
Acq On : 07 Oct 2021 23:48
Operator : SY/VA
Sample : M4070-07
Misc : 4.49g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

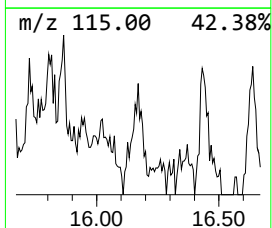
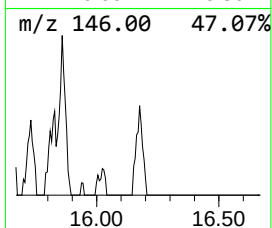
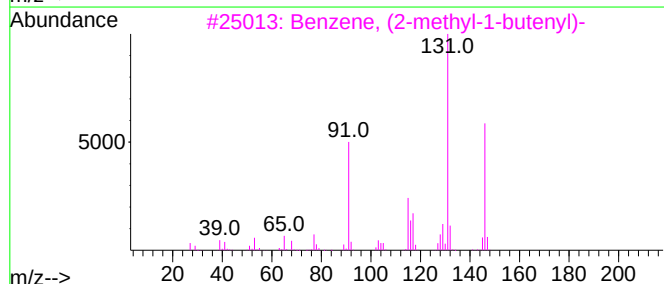
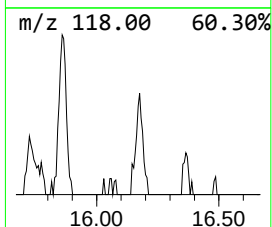
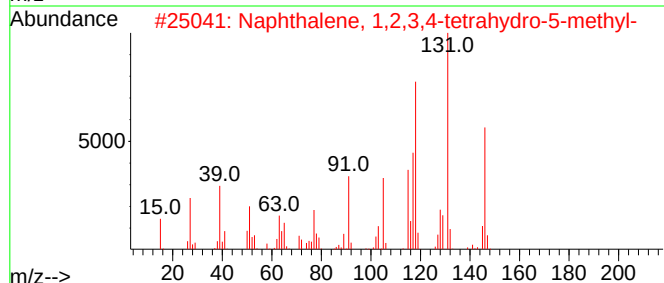
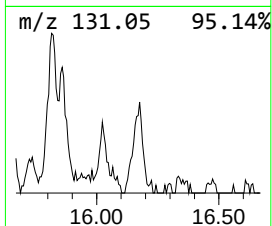
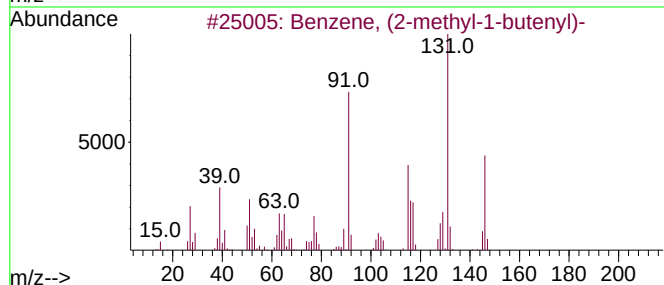
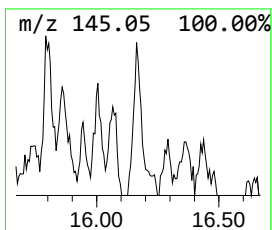
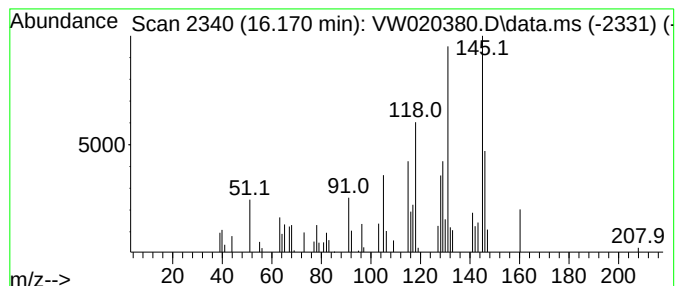
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Quant Title : SFAM01.0

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

Peak Number 66 unknown-06 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.170	2.93 ug/L	19552	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
4			1,3,5-Trisilacyclohexane, 1-methyl-	146	C4H14Si3	018148-11-3	45
5			N-Hydroxy-2-(5,6,7,8-tetrahydron...	205	C12H15NO2	1063724-00-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
 Data File : VW020380.D
 Acq On : 07 Oct 2021 23:48
 Operator : SY/VA
 Sample : M4070-07
 Misc : 4.49g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7E0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.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...	1.959	1.4	ug/L	24589	1	8.848	453407	25.0
(DEL) Alkane: C...	8.573	1.3	ug/L	24232	1	8.848	453407	25.0
(DEL) Alkane: C...	9.610	2.3	ug/L	42256	1	8.848	453407	25.0
(DEL) Alkane: C...	9.750	3.3	ug/L	59891	1	8.848	453407	25.0
(DEL) Alkane: S...	9.896	2.1	ug/L	38000	1	8.848	453407	25.0
(DEL) Alkane: S...	9.957	5.3	ug/L	96502	1	8.848	453407	25.0
(DEL) Alkane: S...	10.098	12.1	ug/L	219062	1	8.848	453407	25.0
(DEL) Alkane: C...	10.213	1.4	ug/L	25316	1	8.848	453407	25.0
(DEL) Alkane: C...	10.506	22.7	ug/L	368324	2	11.634	405276	25.0
(DEL) Alkane: C...	10.664	35.1	ug/L	568331	2	11.634	405276	25.0
(DEL) Alkane: C...	10.762	32.4	ug/L	524845	2	11.634	405276	25.0
(DEL) Alkane: C...	11.000	1.8	ug/L	29597	2	11.634	405276	25.0
(DEL) Alkane: S...	11.036	5.8	ug/L	93265	2	11.634	405276	25.0
(DEL) Alkane: C...	11.110	12.5	ug/L	202145	2	11.634	405276	25.0
(DEL) Alkane: C...	11.146	17.4	ug/L	281963	2	11.634	405276	25.0
(DEL) Alkane: C...	11.177	39.5	ug/L	640651	2	11.634	405276	25.0
(DEL) Alkane: C...	11.231	29.4	ug/L	477290	2	11.634	405276	25.0
(DEL) Alkane: C...	11.286	2.7	ug/L	43671	2	11.634	405276	25.0
(DEL) Alkane: S...	11.335	9.5	ug/L	153973	2	11.634	405276	25.0
(DEL) Alkane: C...	11.433	40.5	ug/L	656241	2	11.634	405276	25.0
(DEL) Alkane: S...	11.512	11.1	ug/L	180207	2	11.634	405276	25.0
(DEL) Alkane: C...	11.975	2.6	ug/L	41683	2	11.634	405276	25.0
4-Ethylcyclohexene	12.042	4.8	ug/L	77794	2	11.634	405276	25.0
(DEL) Alkane: S...	12.249	7.6	ug/L	123820	2	11.634	405276	25.0
(DEL) Alkane: S...	12.359	35.9	ug/L	581919	2	11.634	405276	25.0
(DEL) Alkane: S...	12.542	1.4	ug/L	23173	2	11.634	405276	25.0
unknown-01	12.567	4.0	ug/L	64131	2	11.634	405276	25.0
(DEL) Alkane: S...	12.615	6.0	ug/L	39678	3	13.560	166616	25.0
(DEL) Alkane: S...	12.780	66.6	ug/L	443957	3	13.560	166616	25.0
Benzene, 1-ethy...	12.865	151.7	ug/L	1010950	3	13.560	166616	25.0
(DEL) Alkane: S...	13.036	2.8	ug/L	18365	3	13.560	166616	25.0
Benzene, 1-ethy...	13.103	106.6	ug/L	710118	3	13.560	166616	25.0
(DEL) Alkane: S...	13.164	53.8	ug/L	358667	3	13.560	166616	25.0
(DEL) Alkane: S...	13.341	8.2	ug/L	54517	3	13.560	166616	25.0
Oxirane, 2-meth...	13.377	14.9	ug/L	99526	3	13.560	166616	25.0
p-Cymene	13.438	70.0	ug/L	466278	3	13.560	166616	25.0
o-Cymene	13.487	18.9	ug/L	126098	3	13.560	166616	25.0
(DEL) Alkane: S...	13.621	17.4	ug/L	115863	3	13.560	166616	25.0
(DEL) Alkane: C...	13.701	32.0	ug/L	213212	3	13.560	166616	25.0
Benzene, 1-meth...	13.749	27.0	ug/L	179650	3	13.560	166616	25.0
Benzene, 1-ethy...	13.786	64.3	ug/L	428228	3	13.560	166616	25.0
Benzene, 1-meth...	13.944	14.9	ug/L	99233	3	13.560	166616	25.0
Benzene, 2-ethy...	14.011	39.8	ug/L	265519	3	13.560	166616	25.0
Benzene, 4-ethy...	14.091	47.0	ug/L	313346	3	13.560	166616	25.0
Benzene, 1-ethy...	14.200	67.2	ug/L	447855	3	13.560	166616	25.0
Benzene, 1-(1,1...	14.255	30.9	ug/L	205837	3	13.560	166616	25.0
Benzene, 1,2,3...	14.341	46.5	ug/L	309586	3	13.560	166616	25.0
unknown-02	14.383	48.7	ug/L	324559	3	13.560	166616	25.0
Benzene, 1,2,4...	14.420	41.0	ug/L	273005	3	13.560	166616	25.0
Benzene, 1-ethy...	14.456	53.5	ug/L	356251	3	13.560	166616	25.0
Benzene, 1,3-di...	14.499	22.2	ug/L	147750	3	13.560	166616	25.0
unknown-03	14.542	50.8	ug/L	338767	3	13.560	166616	25.0

Benzene, (3-met...	14.639	20.9	ug/L	139182	3	13.560	166616	25.0
Benzene, (1-met...	14.688	7.9	ug/L	52895	3	13.560	166616	25.0
(DEL) Alkane: S...	14.719	71.1	ug/L	474011	3	13.560	166616	25.0
unknown-04	14.792	114.5	ug/L	762932	3	13.560	166616	25.0
Naphthalene, 1,...	14.956	5.0	ug/L	33569	3	13.560	166616	25.0
Benzene, 2,4-di...	15.066	12.8	ug/L	85536	3	13.560	166616	25.0
Benzene, (2-met...	15.170	16.3	ug/L	108769	3	13.560	166616	25.0
3,3,4-Dimethylcumene	15.316	9.9	ug/L	66003	3	13.560	166616	25.0
(DEL) Alkane: S...	15.548	14.9	ug/L	99522	3	13.560	166616	25.0
Bicyclo[4.2.0]o...	15.651	4.0	ug/L	26759	3	13.560	166616	25.0
unknown-05	15.725	3.0	ug/L	20264	3	13.560	166616	25.0
unknown-06	16.170	2.9	ug/L	19552	3	13.560	166616	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW7E0