

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020255.D
 Acq On : 30 Sep 2021 01:54
 Operator : SY/VA
 Sample : M3974-09
 Misc : 7.48g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Z3

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\SFAMWLM092121SMA.M
 Title : SFAM01.0

Signal : TIC: VW020255.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.367	65	76	90	rBV2	431809	893746	0.66%	0.310%
2	2.898	154	163	178	rVB	63653	161868	0.12%	0.056%
3	3.032	178	185	197	rVB2	16441	37637	0.03%	0.013%
4	3.391	236	244	257	rVB4	18075	50357	0.04%	0.017%
5	4.032	337	349	364	rBV3	139492	519758	0.39%	0.180%
6	4.970	483	503	505	rBV7	9615	44919	0.03%	0.016%
7	5.428	566	578	593	rBV	85022	265842	0.20%	0.092%
8	5.946	652	663	674	rVB4	11060	34081	0.03%	0.012%
9	6.988	823	834	845	rBV2	31055	95090	0.07%	0.033%
10	7.165	845	863	888	rBV4	38721757	134771708	100.00%	46.719%
11	7.653	932	943	959	rVB	248790	561041	0.42%	0.194%
12	7.964	980	994	1002	rBV2	43183	124663	0.09%	0.043%
13	8.275	1036	1045	1047	rBV	352626	601250	0.45%	0.208%
14	8.445	1063	1073	1080	rBV6	25353	78943	0.06%	0.027%
15	8.506	1080	1083	1089	rVV2	14443	29695	0.02%	0.010%
16	8.573	1089	1094	1106	rVB2	22248	52740	0.04%	0.018%
17	8.842	1129	1138	1153	rBV	471202	955156	0.71%	0.331%
18	9.104	1168	1181	1196	rBV2	48053147	131780848	97.78%	45.682%
19	9.281	1202	1210	1214	rBV	252664	465478	0.35%	0.161%
20	9.610	1259	1264	1270	rVB3	12554	25820	0.02%	0.009%
21	9.756	1283	1288	1296	rVB3	14637	35037	0.03%	0.012%
22	10.037	1328	1334	1342	rBV	138550	254171	0.19%	0.088%
23	10.207	1357	1362	1367	rBV	27026	43091	0.03%	0.015%
24	10.323	1374	1381	1389	rBV	567751	975470	0.72%	0.338%
25	10.390	1389	1392	1397	rVB	25182	41381	0.03%	0.014%
26	10.506	1404	1411	1417	rBV5	25724	63385	0.05%	0.022%
27	10.585	1418	1424	1428	rBV	107174	173771	0.13%	0.060%
28	10.664	1433	1437	1447	rVV3	45707	87857	0.07%	0.030%
29	10.756	1447	1452	1459	rVV4	15272	29893	0.02%	0.010%
30	10.860	1464	1469	1474	rBV	42717	73202	0.05%	0.025%
31	10.927	1474	1480	1488	rBV	118137	206450	0.15%	0.072%
32	11.110	1508	1510	1512	rVV2	26465	28687	0.02%	0.010%
33	11.134	1512	1514	1516	rVV2	24525	28501	0.02%	0.010%
34	11.183	1518	1522	1525	rVV	69010	93243	0.07%	0.032%
35	11.225	1526	1529	1535	rVB	68920	115599	0.09%	0.040%
36	11.335	1541	1547	1552	rBV4	30837	67577	0.05%	0.023%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Title : SFAM01.0

37	11.433	1562	1563	1570	rVV2	62268	121462	0.09%	0.042%
38	11.512	1574	1576	1583	rVV	58573	92864	0.07%	0.032%
39	11.634	1590	1596	1601	rBV	524595	924804	0.69%	0.321%
40	11.731	1606	1612	1617	rBV	177681	312036	0.23%	0.108%
41	11.817	1622	1626	1628	rBV3	34482	59461	0.04%	0.021%
42	11.914	1641	1642	1646	rVB2	34107	32065	0.02%	0.011%
43	11.975	1650	1652	1659	rBV5	18213	28684	0.02%	0.010%
44	12.140	1671	1679	1681	rBV2	53915	108596	0.08%	0.038%
45	12.164	1681	1683	1690	rVB	61198	81419	0.06%	0.028%
46	12.250	1694	1697	1702	rVB	40767	51258	0.04%	0.018%
47	12.292	1702	1704	1706	rBV3	24548	31335	0.02%	0.011%
48	12.341	1709	1712	1714	rVV	74129	94996	0.07%	0.033%
49	12.378	1716	1718	1723	rVB3	61734	94765	0.07%	0.033%
50	12.457	1728	1731	1736	rVB2	42931	73381	0.05%	0.025%
51	12.500	1736	1738	1739	rBV2	50592	52982	0.04%	0.018%
52	12.695	1765	1770	1777	rVB	229257	379704	0.28%	0.132%
53	12.780	1779	1784	1791	rBV2	117443	285107	0.21%	0.099%
54	12.859	1791	1797	1799	rBV3	73642	125899	0.09%	0.044%
55	12.902	1801	1804	1807	rVV	90823	153629	0.11%	0.053%
56	12.938	1807	1810	1816	rVB	134016	265660	0.20%	0.092%
57	12.987	1816	1818	1823	rVB3	53234	81415	0.06%	0.028%
58	13.042	1826	1827	1830	rBV3	27429	30295	0.02%	0.011%
59	13.103	1831	1837	1843	rVB	333845	559466	0.42%	0.194%
60	13.170	1843	1848	1857	rBV8	68583	188725	0.14%	0.065%
61	13.249	1857	1861	1865	rBV	148409	296966	0.22%	0.103%
62	13.323	1865	1873	1881	rVV2	112466	422022	0.31%	0.146%
63	13.444	1887	1893	1906	rVB4	266154	817583	0.61%	0.283%
64	13.554	1906	1911	1919	rVB	477500	789335	0.59%	0.274%
65	13.621	1919	1922	1925	rBV4	44914	75156	0.06%	0.026%
66	13.719	1935	1938	1940	rVV	76970	100125	0.07%	0.035%
67	13.761	1940	1945	1948	rVV	236405	340524	0.25%	0.118%
68	13.792	1948	1950	1954	rVB2	71245	78733	0.06%	0.027%
69	13.853	1955	1960	1970	rBV	397875	857730	0.64%	0.297%
70	13.950	1970	1976	1978	rBV2	95701	158027	0.12%	0.055%
71	13.969	1978	1979	1982	rVV2	61281	52767	0.04%	0.018%
72	14.011	1983	1986	1989	rVB	67280	75685	0.06%	0.026%
73	14.091	1995	1999	2004	rVB	177420	292671	0.22%	0.101%
74	14.200	2012	2017	2023	rVB2	289583	497792	0.37%	0.173%
75	14.280	2023	2030	2034	rBV7	82713	282557	0.21%	0.098%
76	14.335	2037	2039	2044	rVB2	100397	123457	0.09%	0.043%

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 Title : SFAM01.0

77	14.383	2044	2047	2050	rBV3	91113	122260	0.09%	0.042%
78	14.456	2056	2059	2063	rVB	111073	122114	0.09%	0.042%
79	14.505	2063	2067	2069	rBV2	67458	96860	0.07%	0.034%
80	14.536	2069	2072	2076	rVV4	49621	79267	0.06%	0.027%
81	14.645	2086	2090	2092	rVV2	79507	99677	0.07%	0.035%
82	14.688	2092	2097	2101	rVV2	147498	266790	0.20%	0.092%
83	14.731	2101	2104	2108	rVB2	44385	54985	0.04%	0.019%
84	14.792	2108	2114	2123	rBV2	510366	1235923	0.92%	0.428%
85	14.975	2143	2144	2149	rVB3	33653	32276	0.02%	0.011%
86	15.066	2152	2159	2165	rBV4	199246	519764	0.39%	0.180%
87	15.164	2170	2175	2184	rVB2	183929	459626	0.34%	0.159%
88	15.243	2185	2188	2195	rVV6	60234	127680	0.09%	0.044%
89	15.316	2195	2200	2208	rVB3	103988	236514	0.18%	0.082%
90	15.462	2219	2224	2226	rBV3	98241	153028	0.11%	0.053%
91	15.645	2240	2254	2263	rBV7	93935	408654	0.30%	0.142%
92	15.816	2276	2282	2284	rBV5	52129	115385	0.09%	0.040%
93	15.895	2292	2295	2299	rBV3	33659	49531	0.04%	0.017%
94	15.944	2300	2303	2310	rVB2	66616	103528	0.08%	0.036%
95	16.005	2310	2313	2321	rVB3	41169	98085	0.07%	0.034%
96	16.066	2321	2323	2332	rBV7	35317	87457	0.06%	0.030%
97	16.163	2333	2339	2341	rBV3	54420	89811	0.07%	0.031%
98	16.371	2363	2373	2374	rBV7	46569	127627	0.09%	0.044%
99	16.480	2390	2391	2398	rVB4	50792	56281	0.04%	0.020%
100	16.639	2409	2417	2429	rVB2	132789	371318	0.28%	0.129%

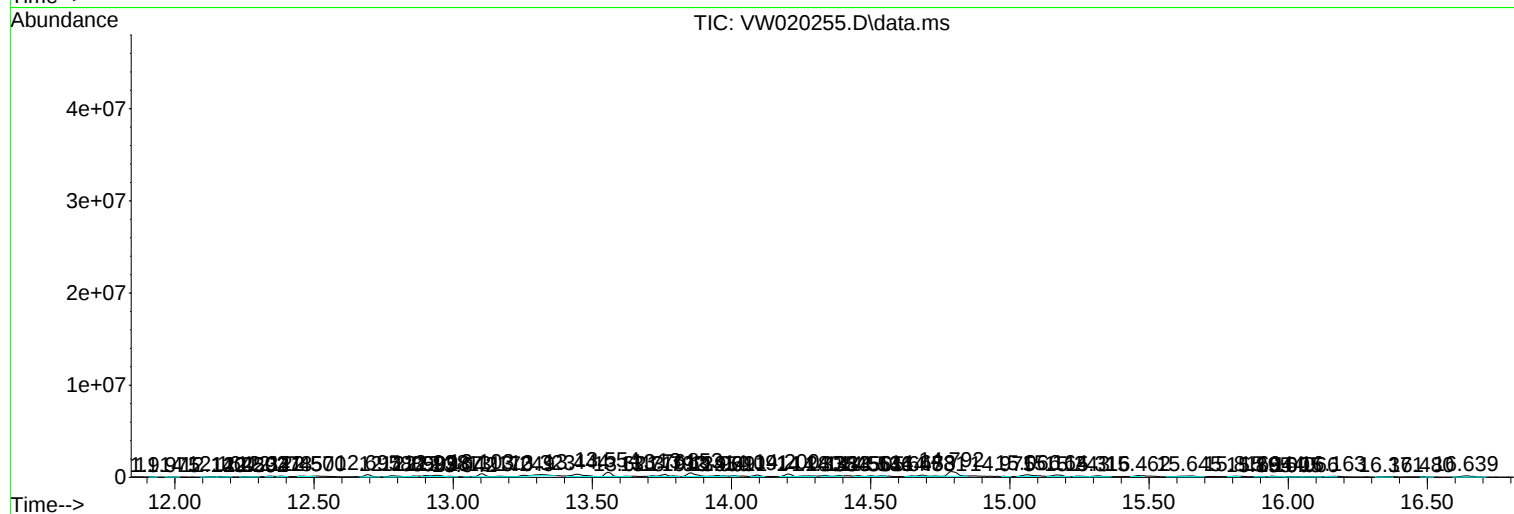
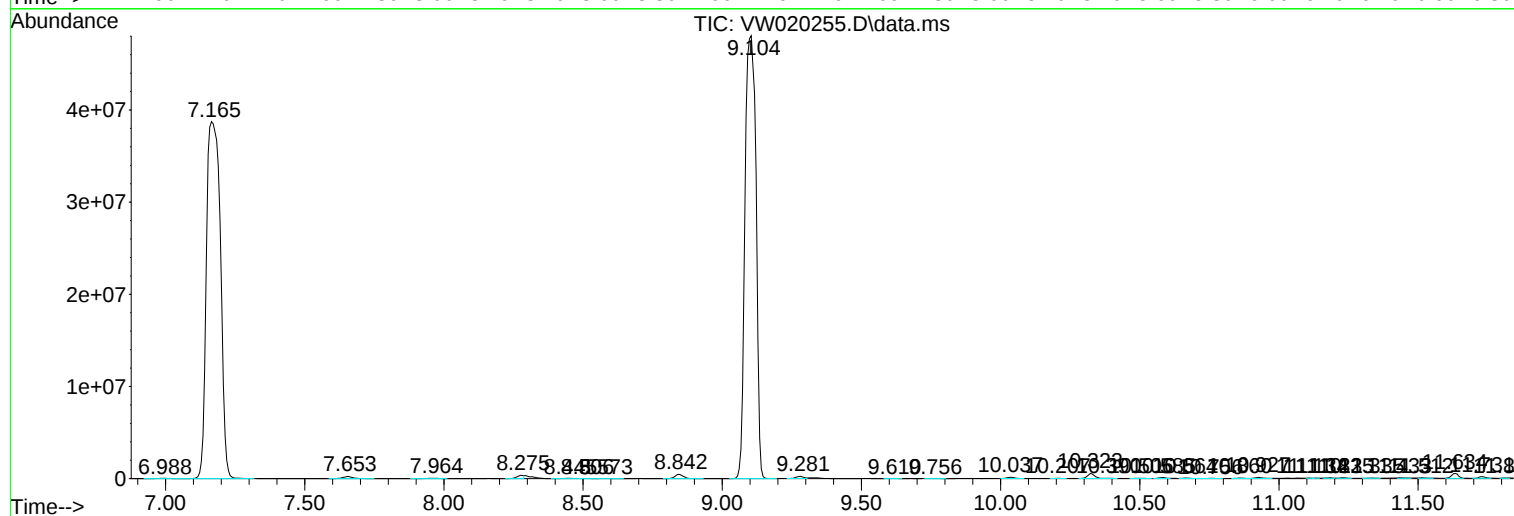
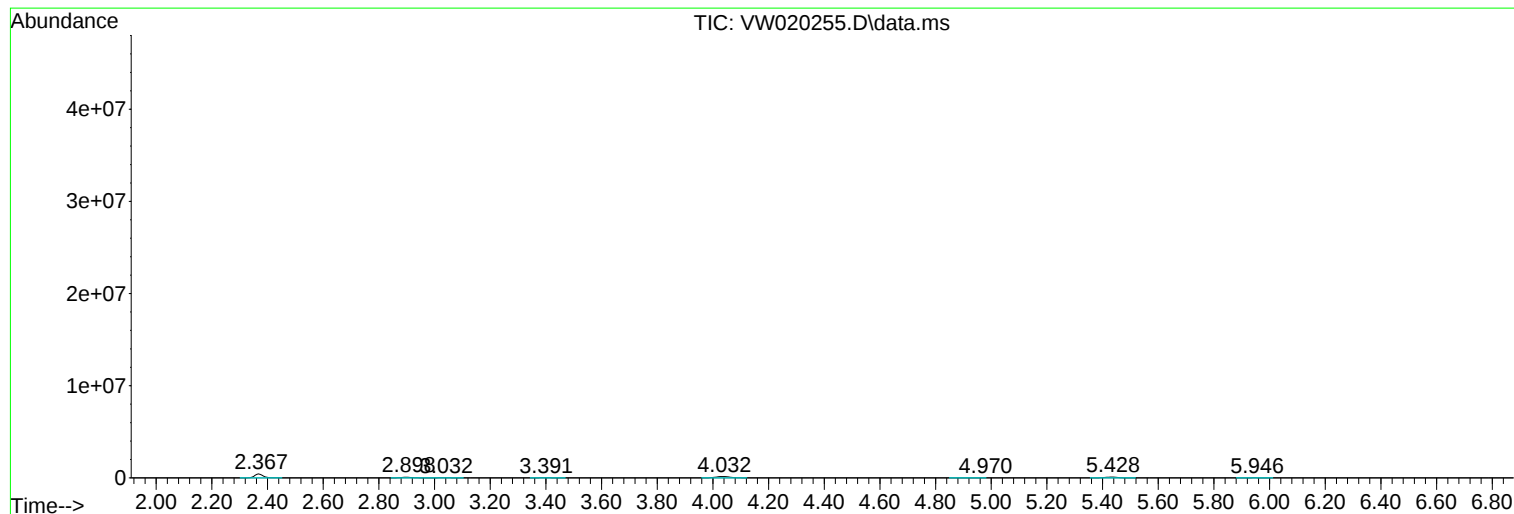
Sum of corrected areas: 288473534

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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



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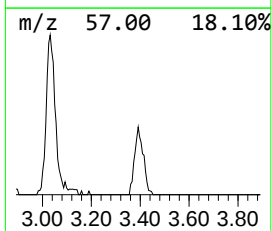
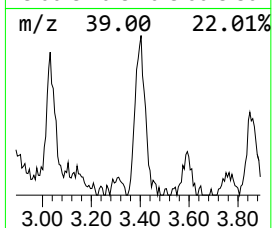
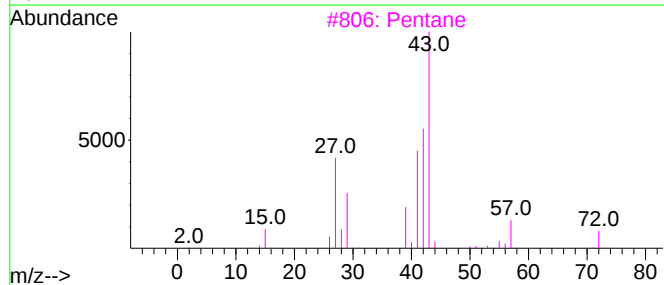
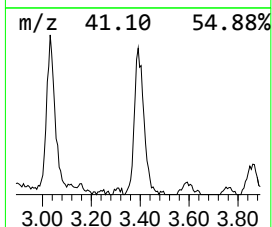
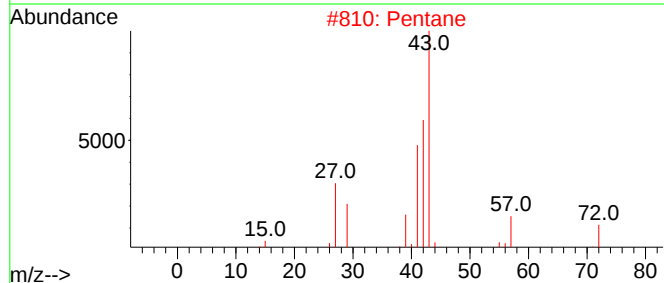
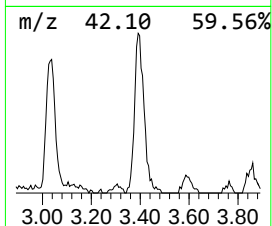
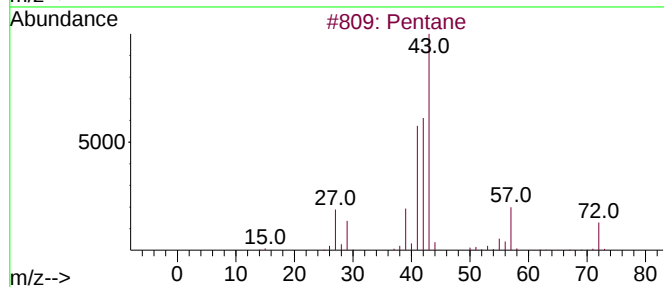
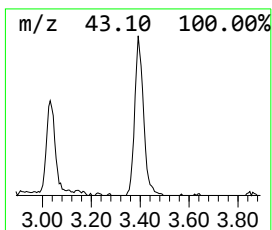
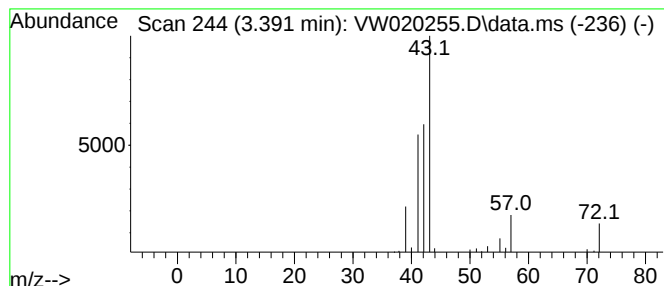
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.391	1.32 ug/L	50357	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	86
2	Pentane			72	C5H12	000109-66-0	86
3	Pentane			72	C5H12	000109-66-0	72
4	Pentane			72	C5H12	000109-66-0	64
5	Pentane			72	C5H12	000109-66-0	53



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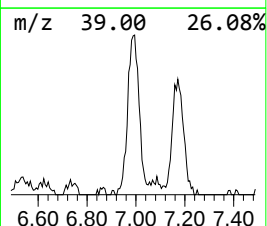
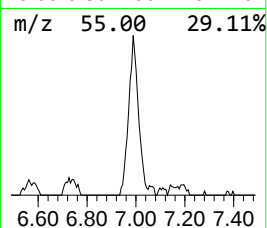
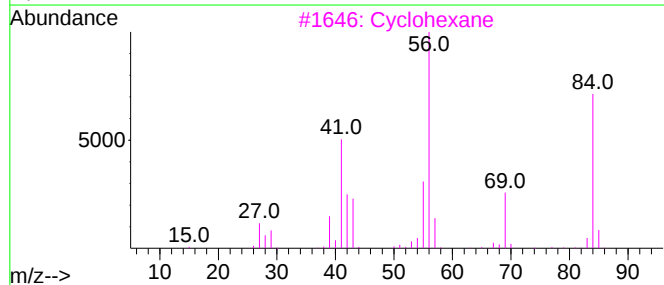
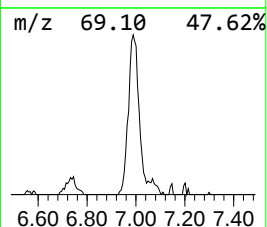
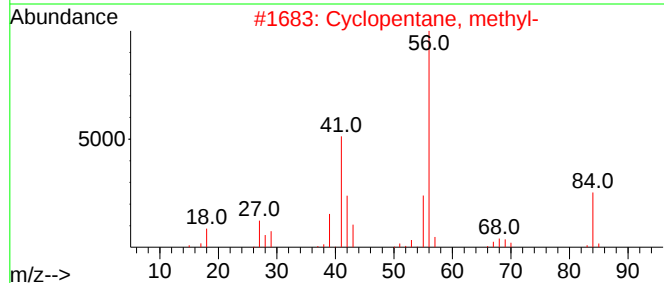
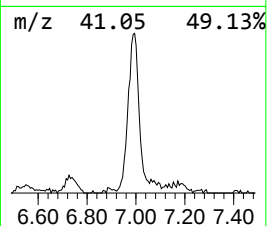
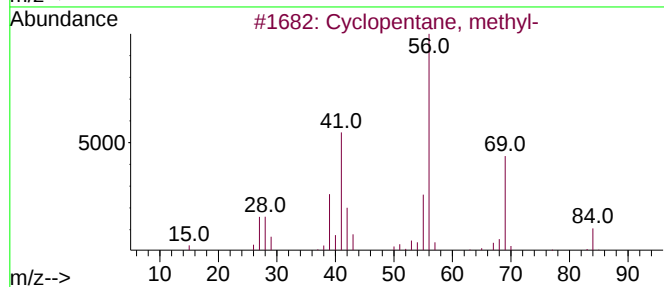
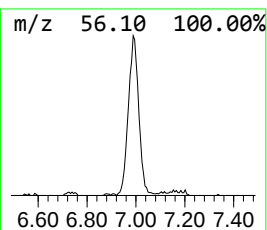
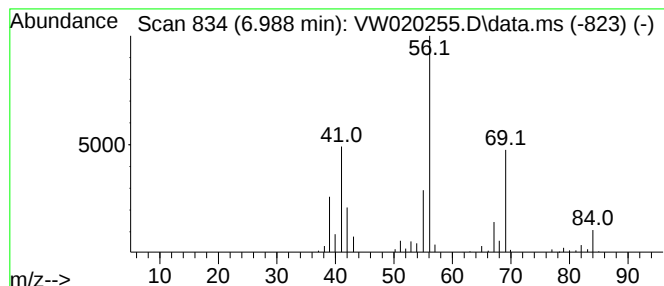
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic6.988 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	2.49 ug/L	95090	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3			Cyclohexane	84	C6H12	000110-82-7	72
4			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5			Cyclohexane	84	C6H12	000110-82-7	72



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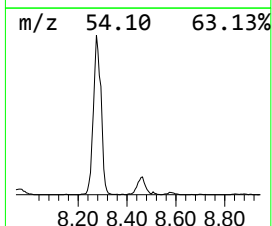
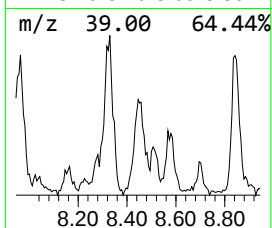
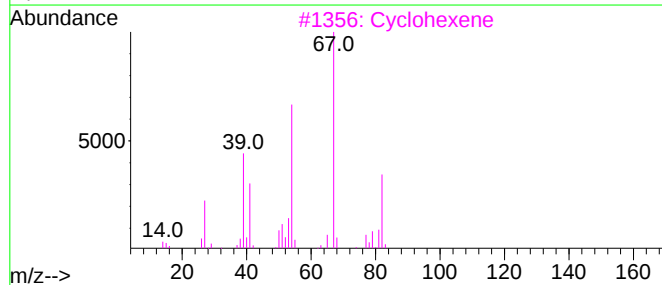
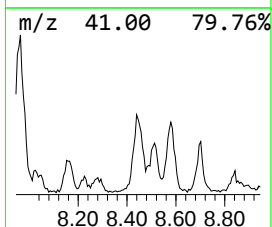
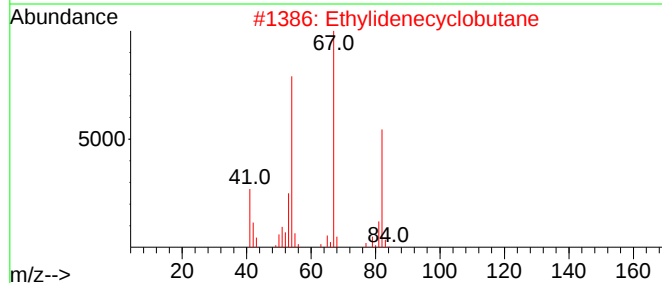
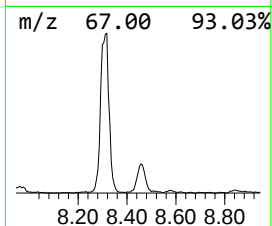
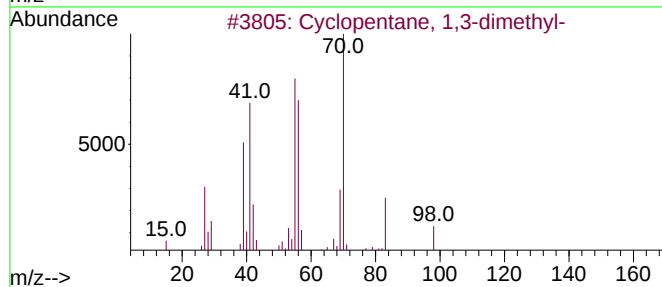
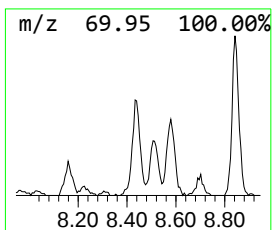
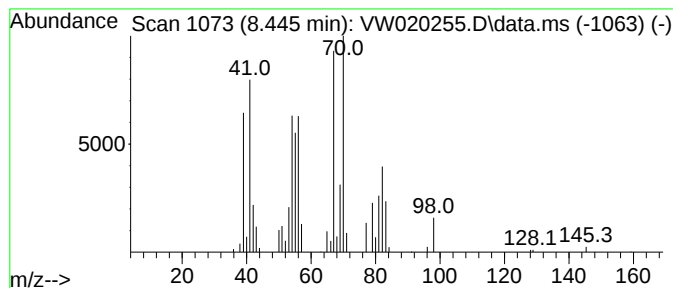
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic8.445 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	2.07 ug/L	78943	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	50
2			Ethylidenecyclobutane	82	C6H10	001528-21-8	43
3			Cyclohexene	82	C6H10	000110-83-8	38
4			Cyclohexene	82	C6H10	000110-83-8	38
5			3-Hexyne	82	C6H10	000928-49-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

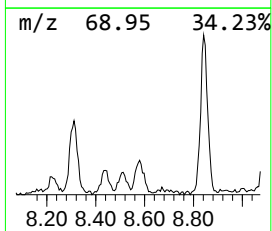
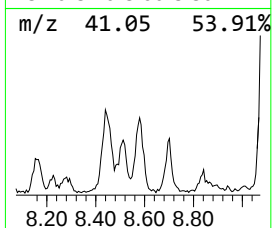
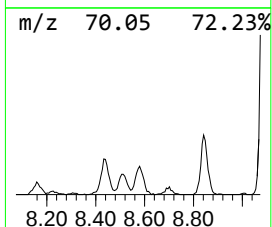
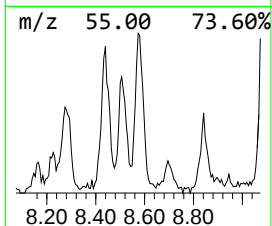
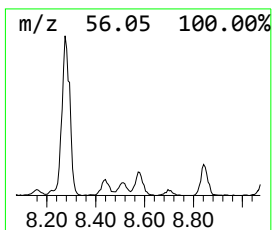
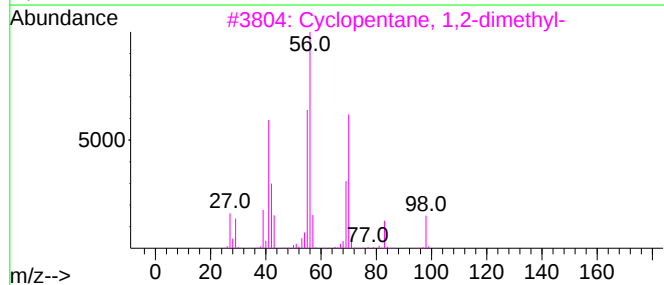
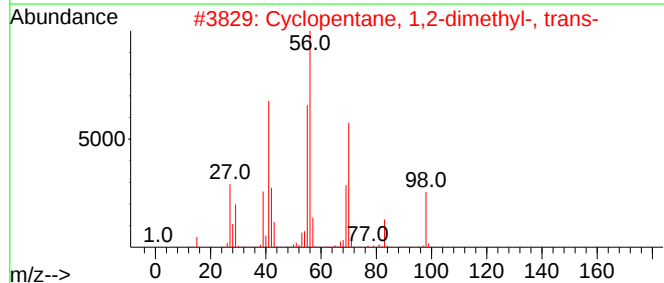
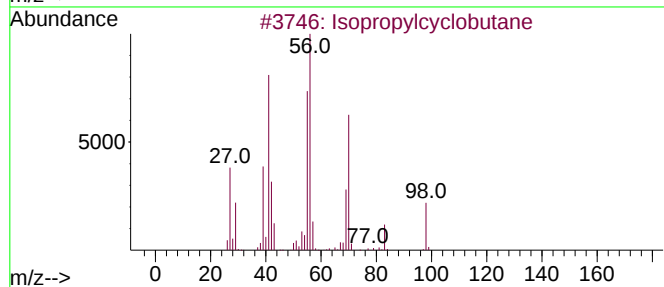
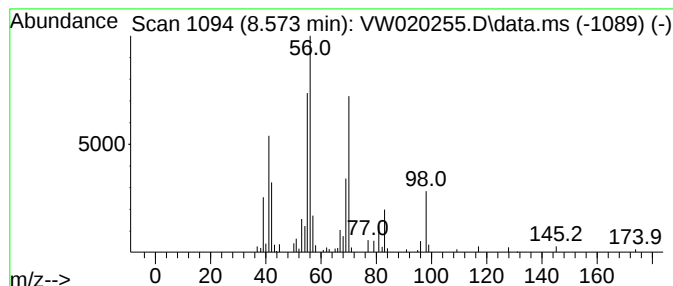
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic8.573 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	1.38 ug/L	52740	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopropylcyclobutane	98	C7H14	000872-56-0	90
2			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
5			1-Heptene	98	C7H14	000592-76-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

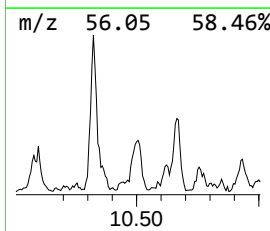
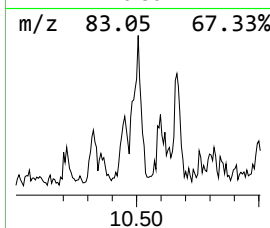
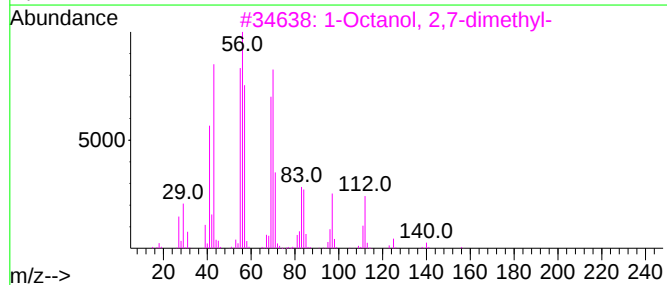
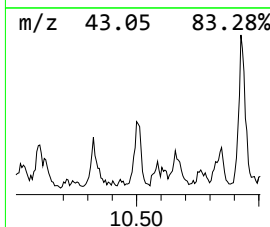
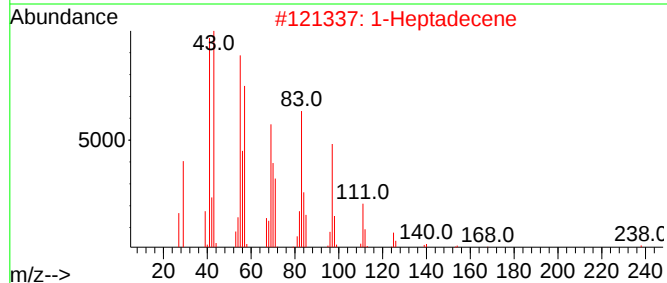
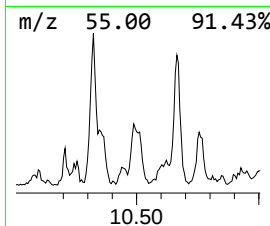
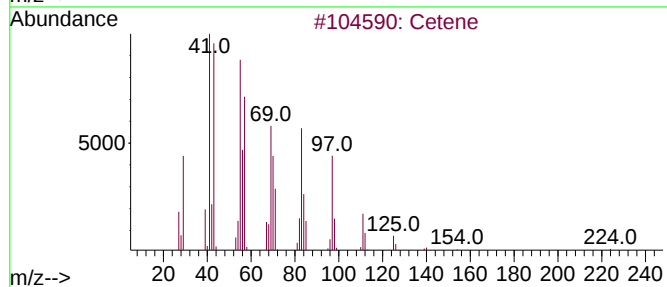
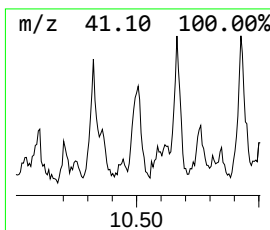
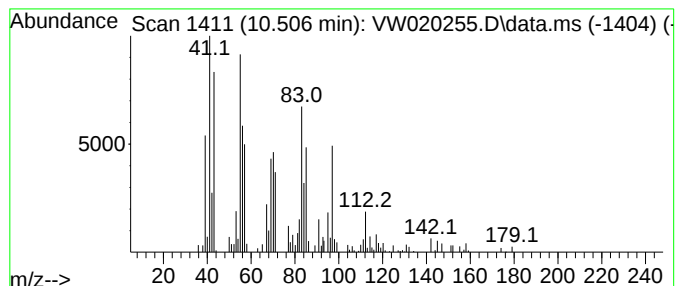
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.71 ug/L	63385	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cetene	224	C16H32	000629-73-2	74
2			1-Heptadecene	238	C17H34	006765-39-5	58
3			1-Octanol, 2,7-dimethyl-	158	C10H22O	015250-22-3	43
4			Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	43
5			3-Octene, (Z)-	112	C8H16	014850-22-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

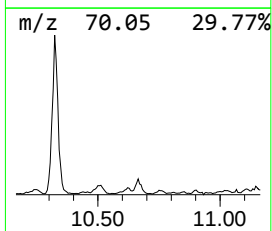
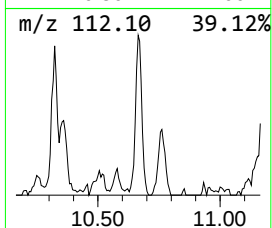
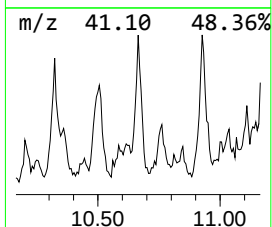
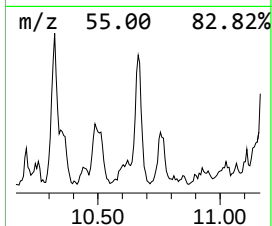
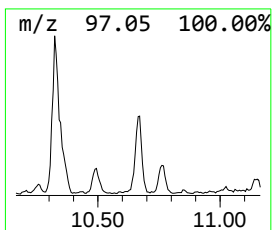
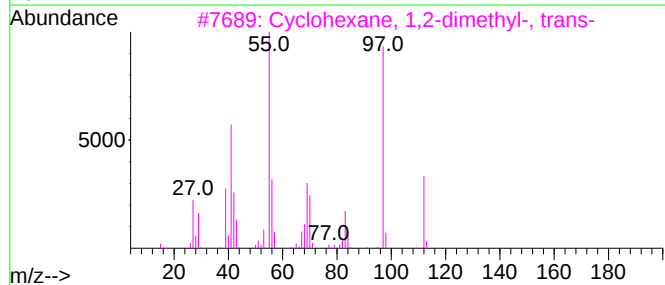
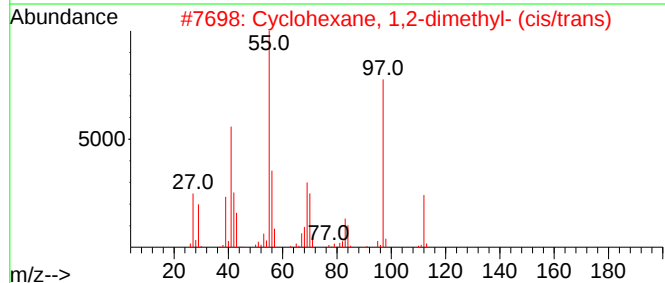
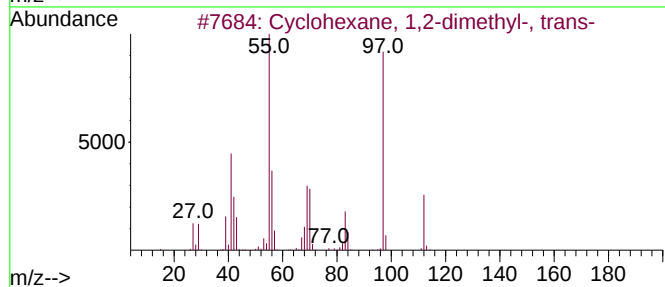
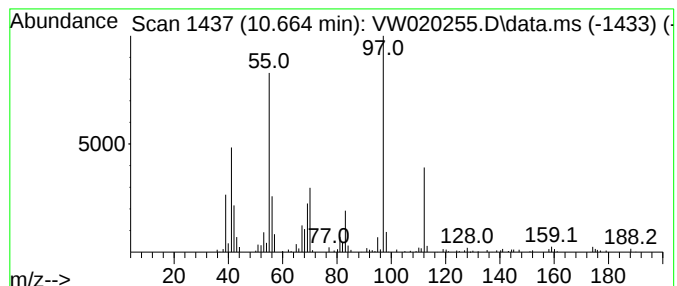
Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic10.665 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.665	2.38 ug/L	87857	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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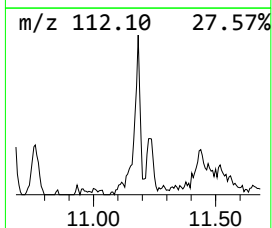
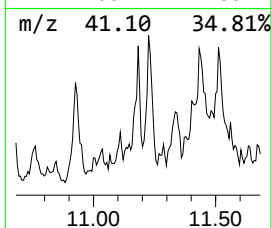
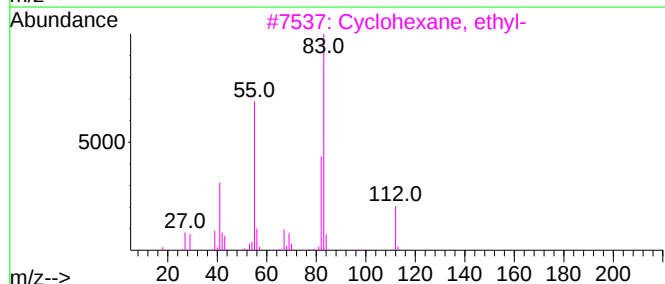
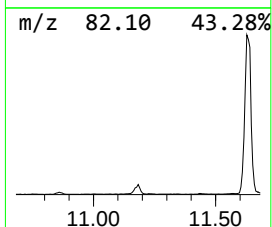
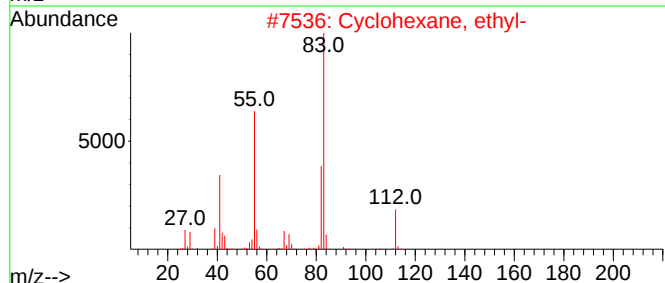
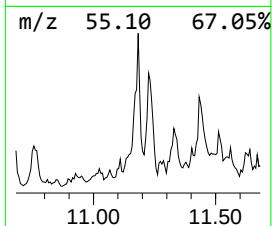
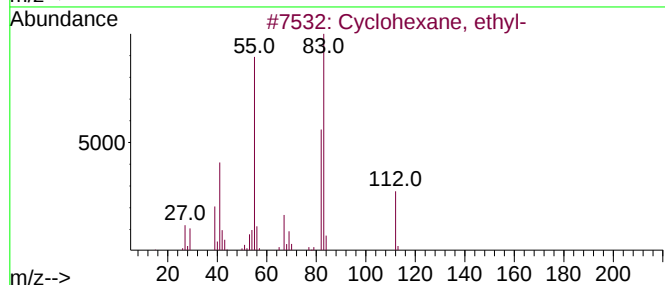
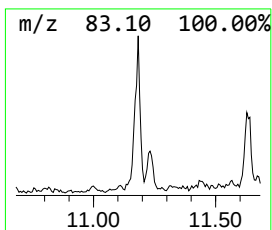
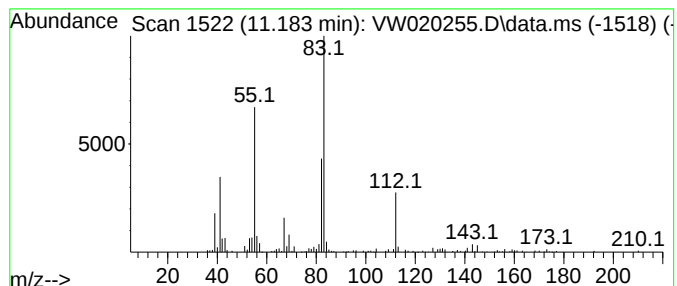
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.183 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	2.52 ug/L	93243	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	74
5			2H-Pyran-2-carboxaldehyde, 3,4-d...	112	C6H8O2	000100-73-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

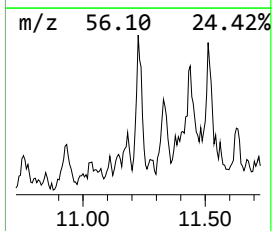
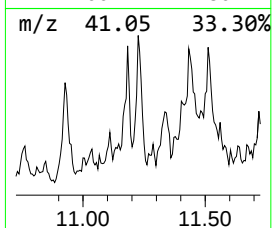
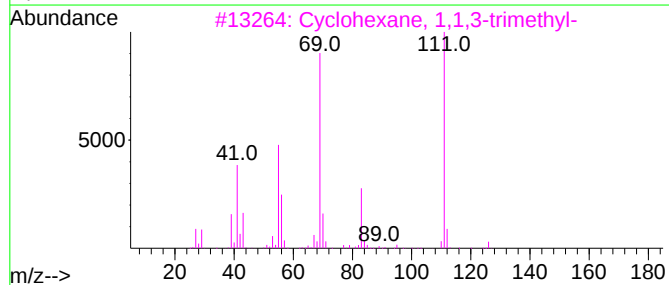
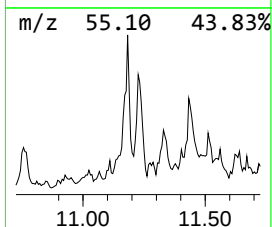
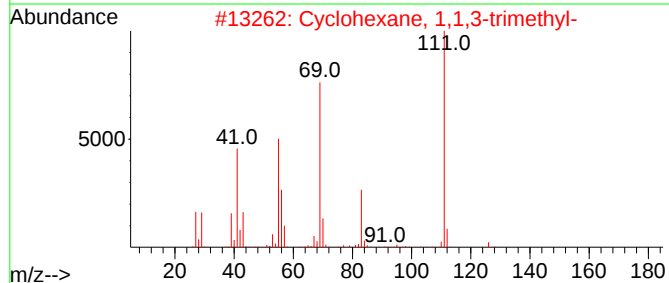
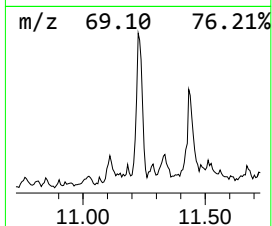
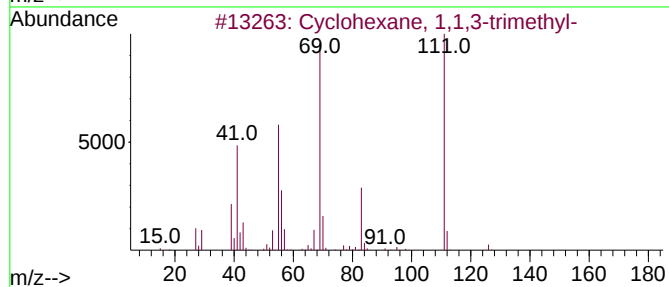
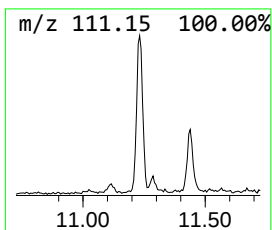
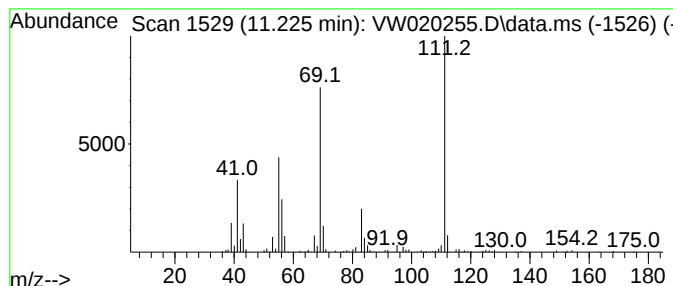
Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.225 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.225	3.12 ug/L	115599	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	90
3	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	83
4	Cyclohexane, 1,3,5-trimethyl-, (...)		126	C9H18	001795-27-3	64
5	Cyclohexane, 1,3,5-trimethyl-, (...)		126	C9H18	001795-26-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

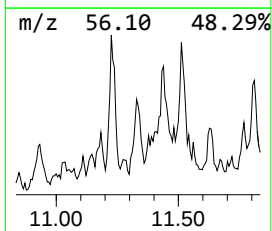
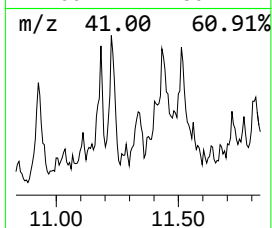
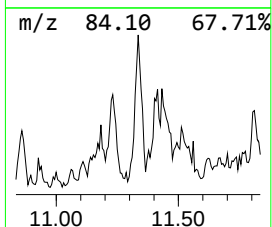
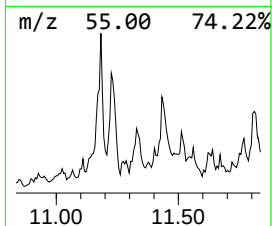
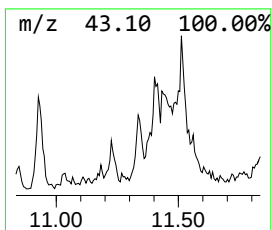
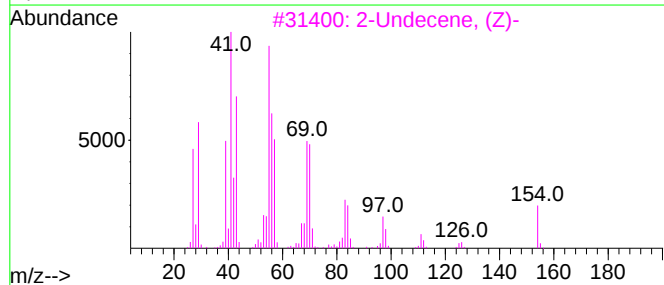
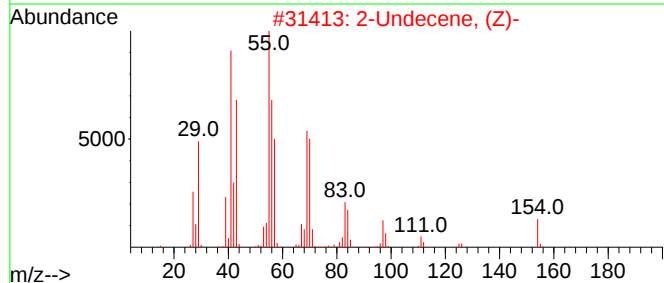
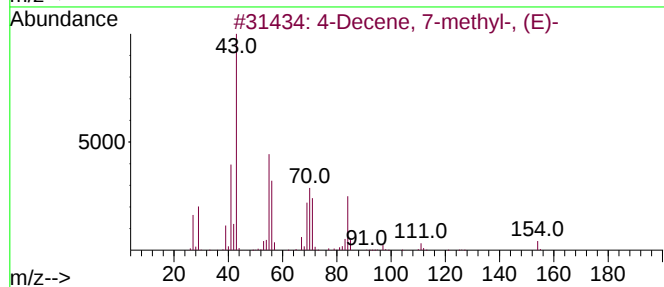
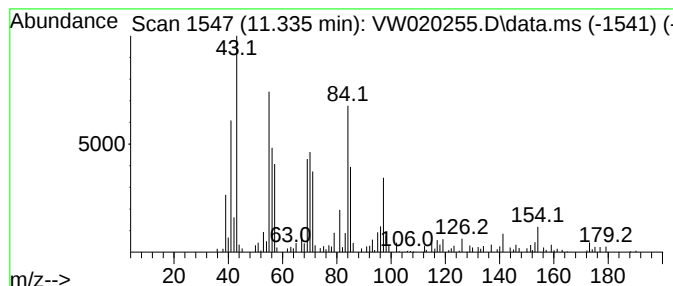
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.335	1.83 ug/L	67577	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 7-methyl-, (E)-	154	C11H22	062338-48-1	49
2	2-Undecene, (Z)-	154	C11H22	000821-96-5	45
3	2-Undecene, (Z)-	154	C11H22	000821-96-5	43
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

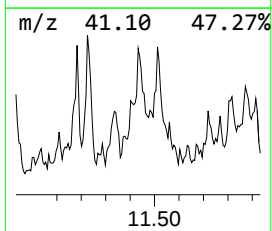
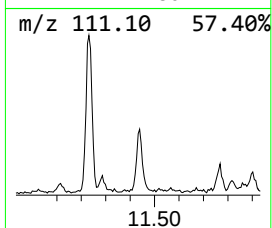
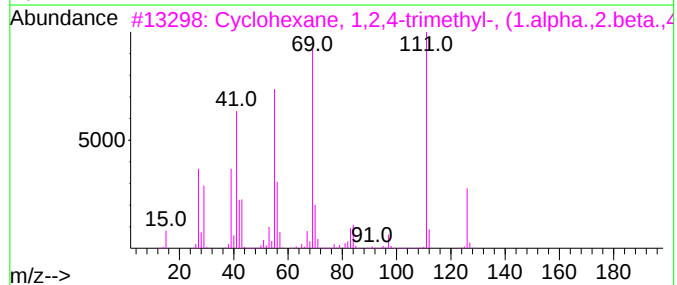
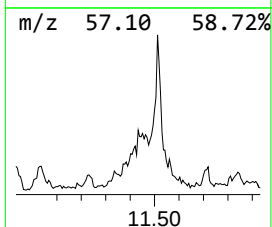
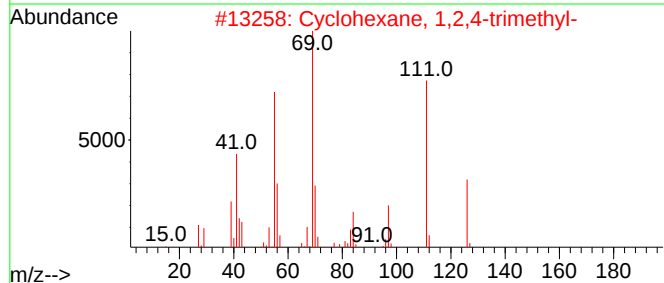
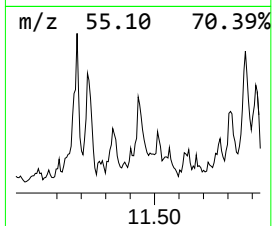
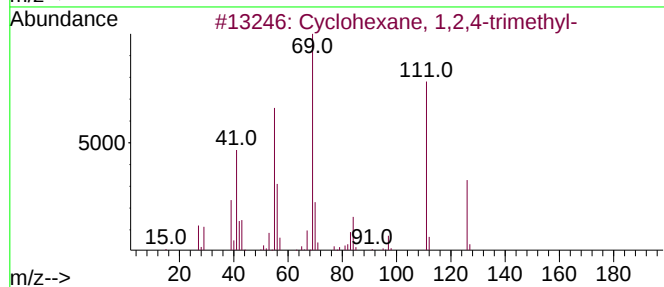
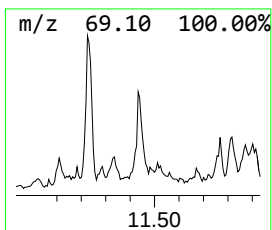
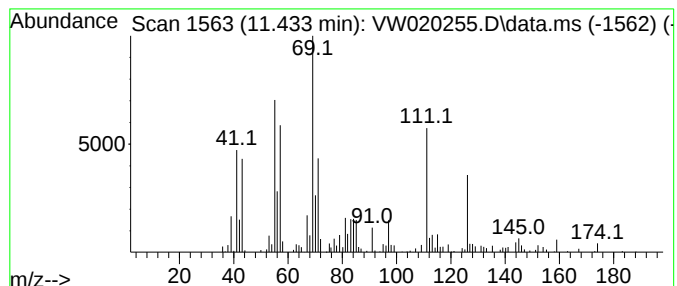
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic11.433 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	3.28 ug/L	121462	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50
4			Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	49
5			Cyclooctane, ethyl-	140	C10H20	013152-02-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

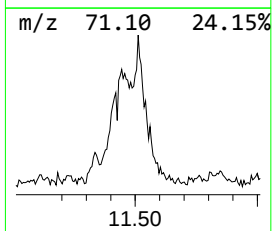
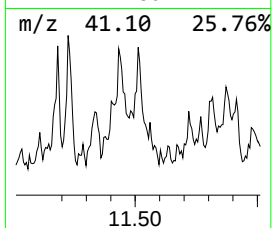
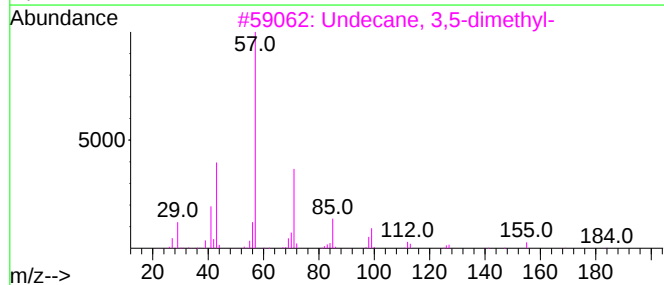
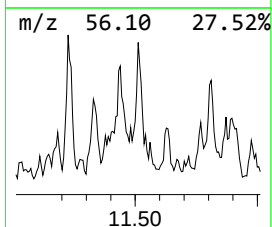
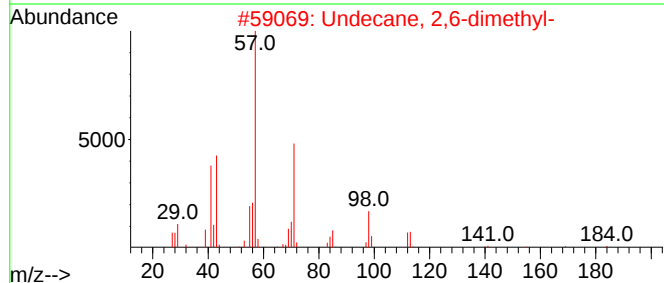
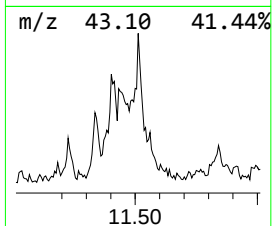
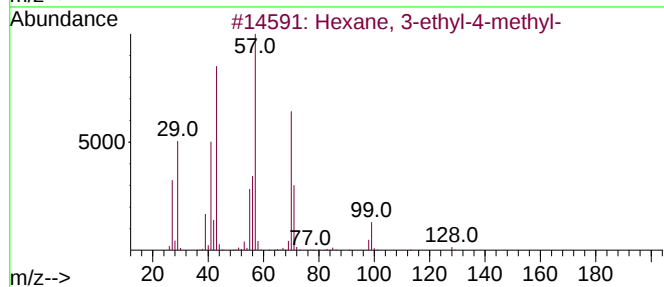
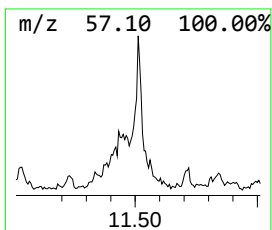
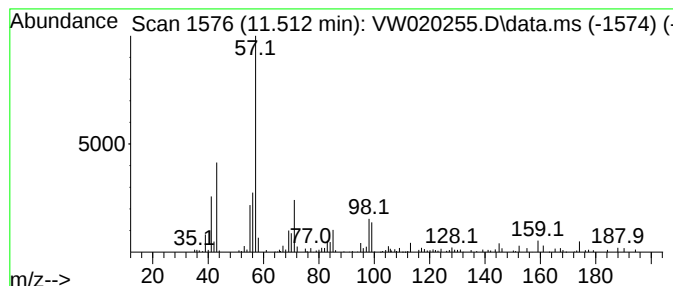
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	2.51 ug/L	92864	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
3			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	58
4			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	53
5			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

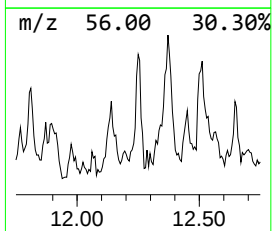
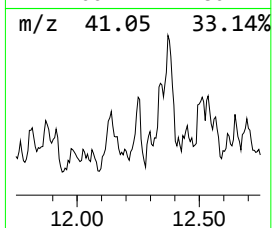
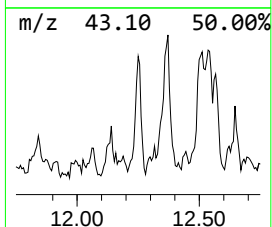
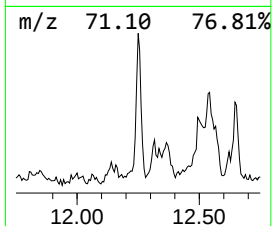
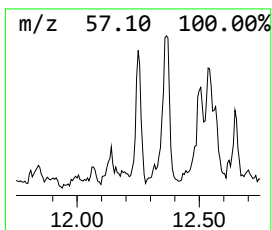
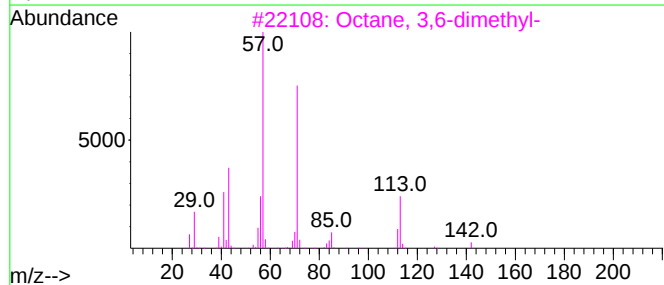
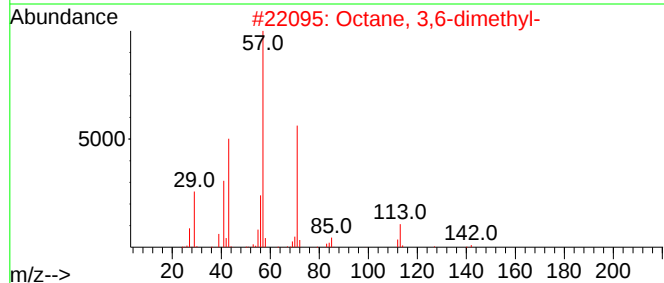
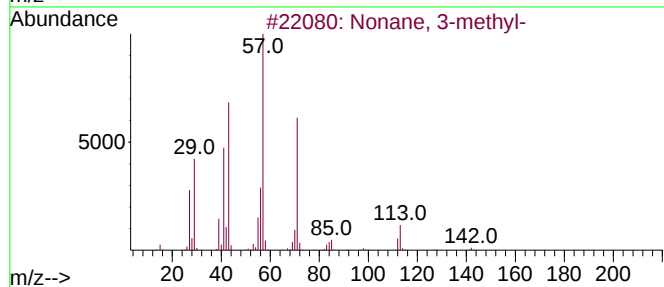
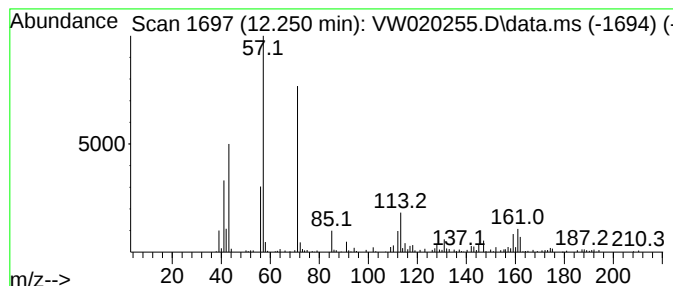
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	1.39 ug/L	51258	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3-methyl-	142	C10H22	005911-04-6	83
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	74
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

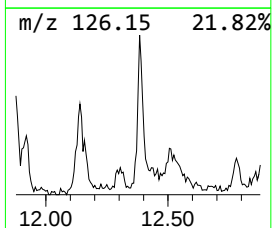
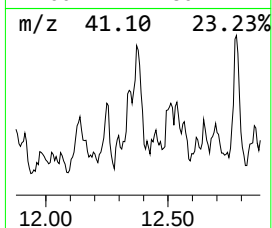
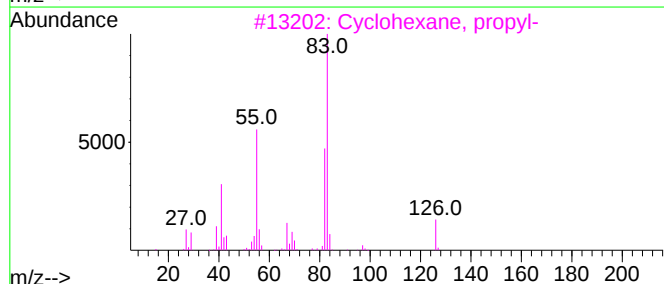
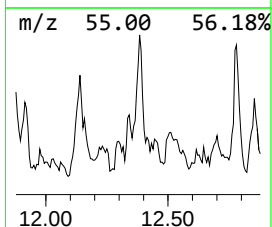
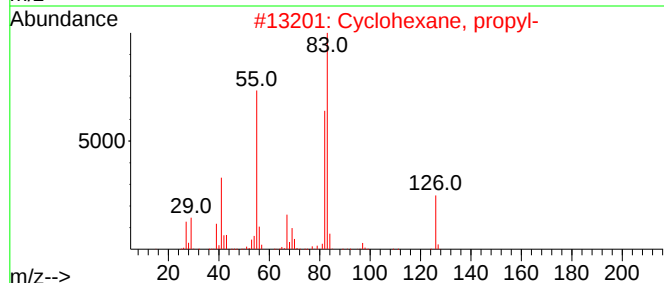
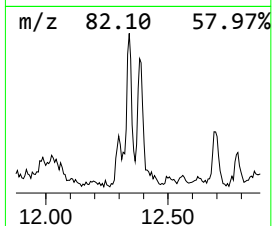
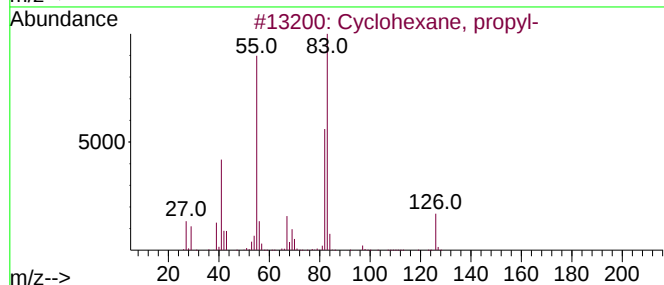
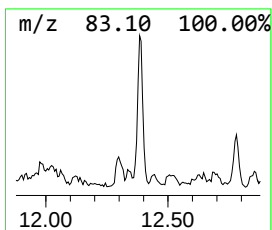
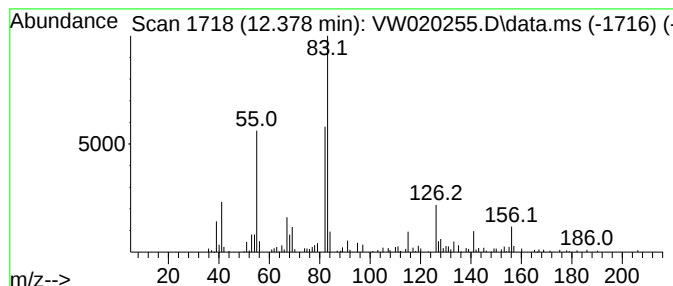
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic12.378 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.378	2.56 ug/L	94765	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

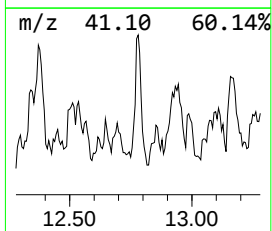
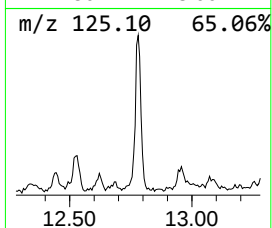
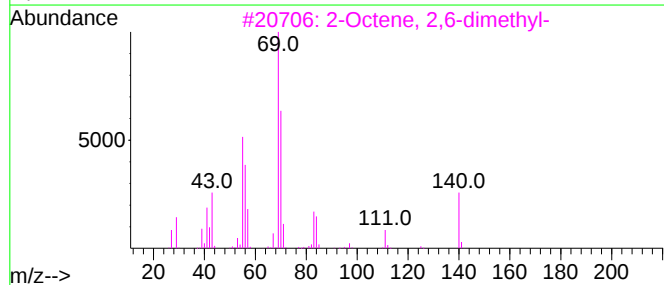
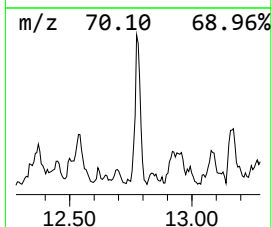
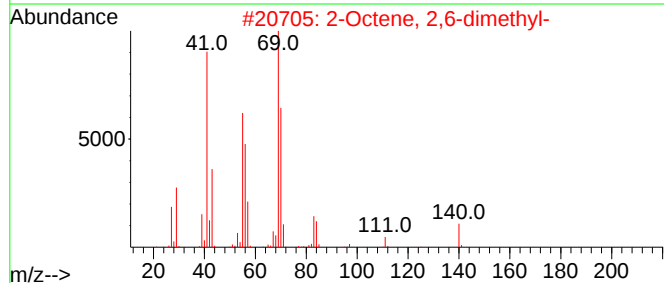
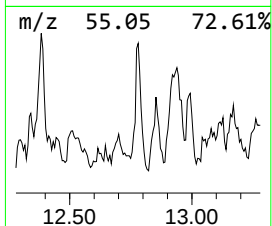
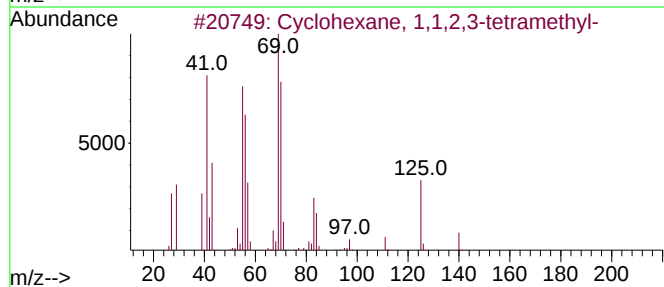
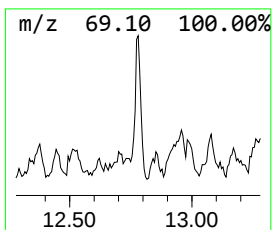
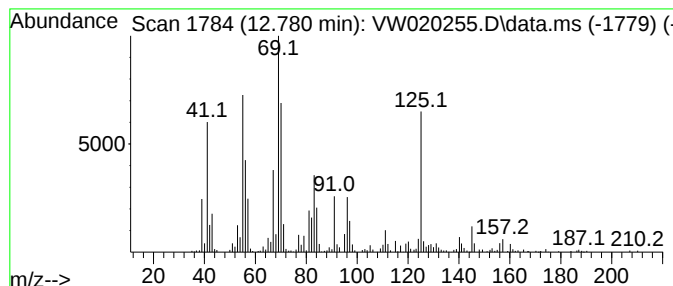
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic12.780 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	9.03 ug/L	285107	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
4			trans-2-Methyl-3-octene	126	C9H18	052937-36-7	43
5			Cyclohexylmethanol, trifluoroace...	210	C9H13F3O2	164071-20-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

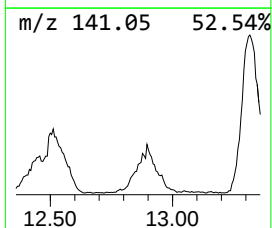
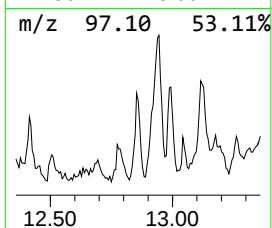
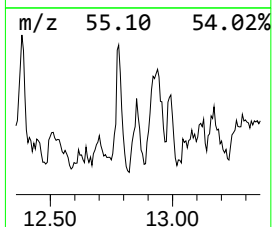
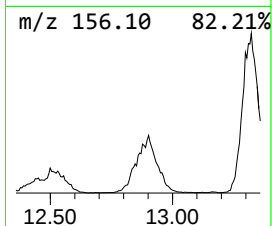
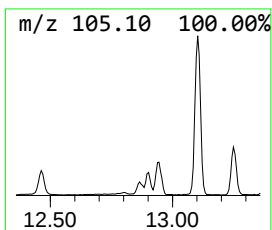
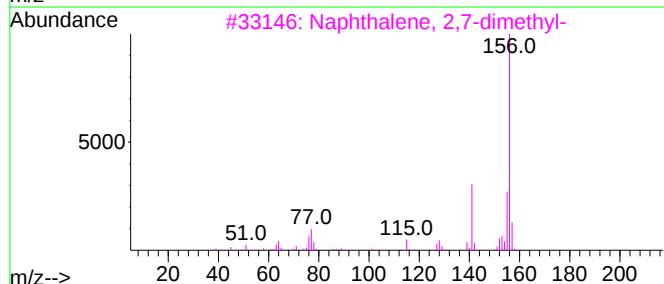
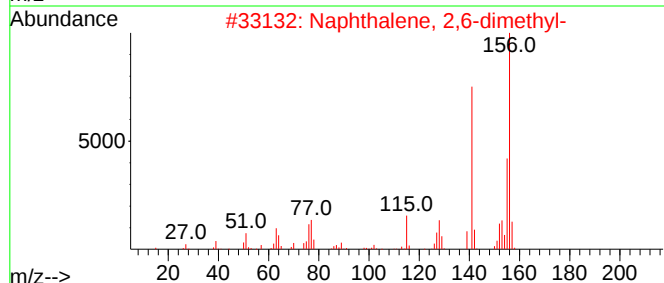
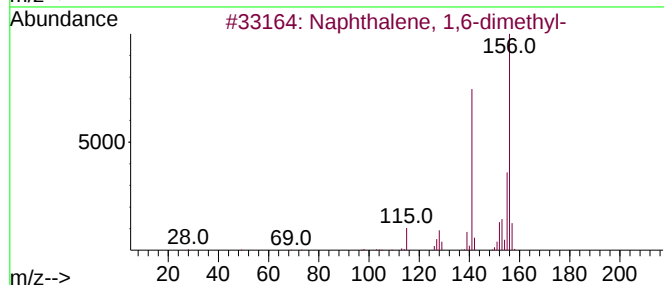
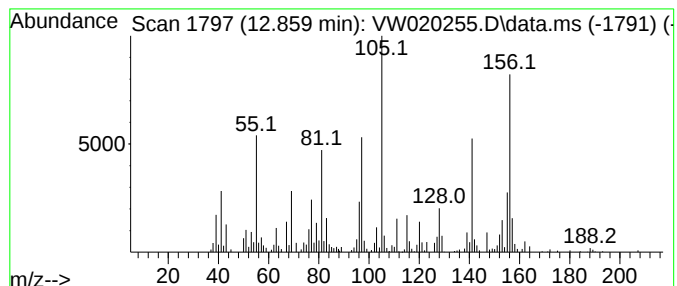
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Quant Title : SFAM01.0

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

Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	3.99 ug/L	125899	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	83
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

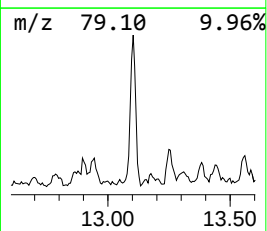
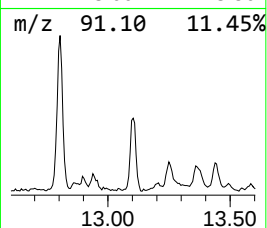
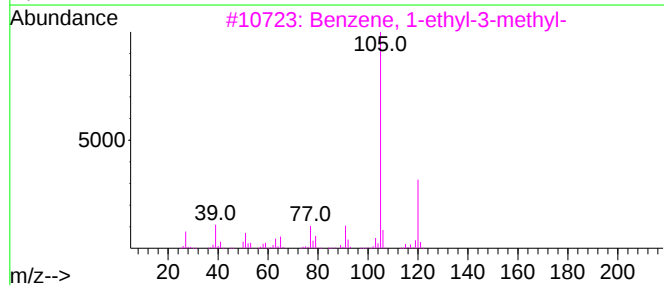
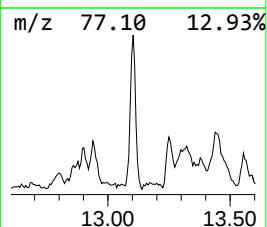
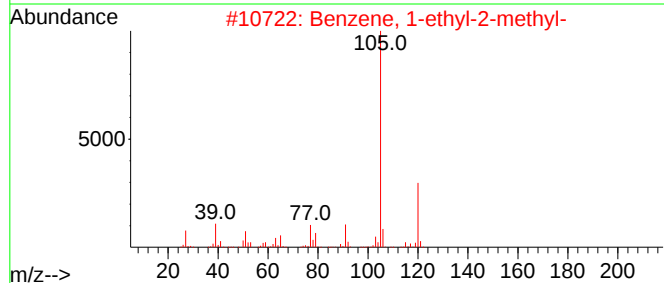
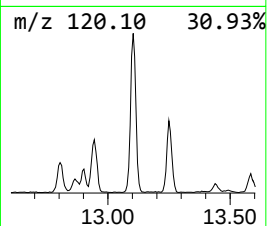
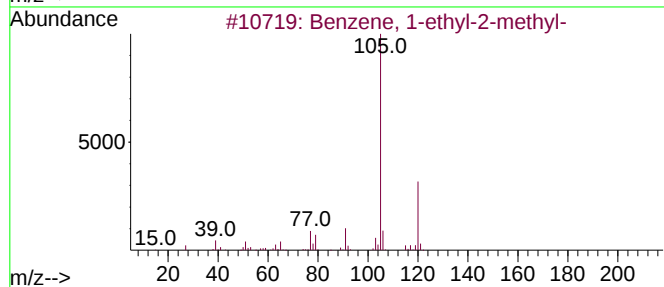
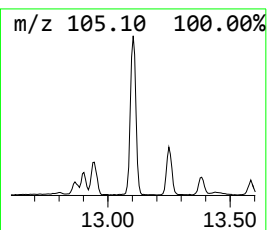
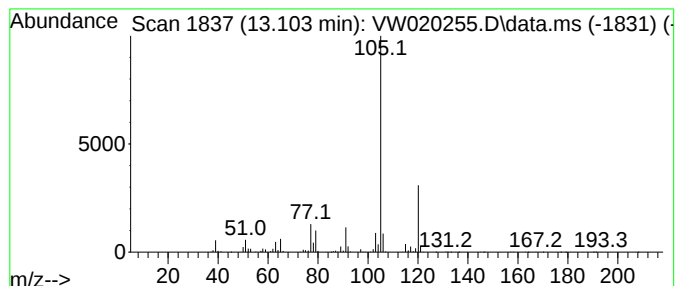
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Quant Title : SFAM01.0

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

Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	17.72 ug/L	559466	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

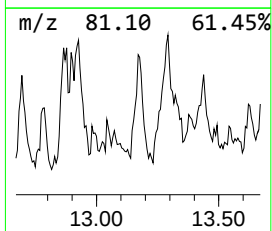
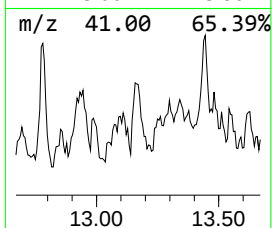
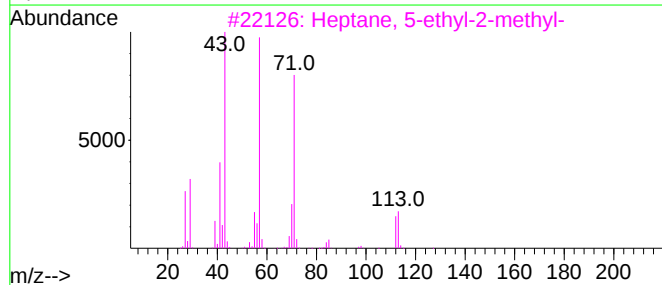
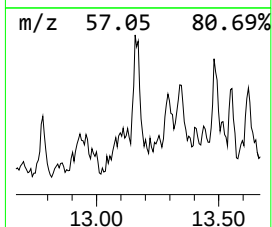
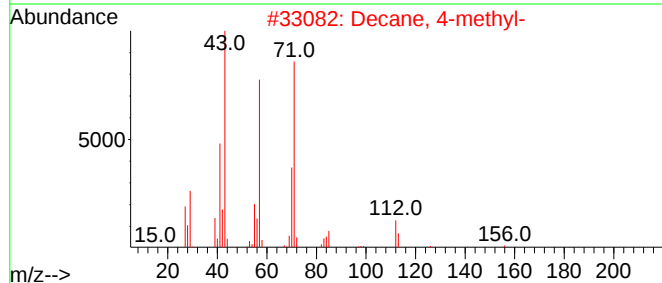
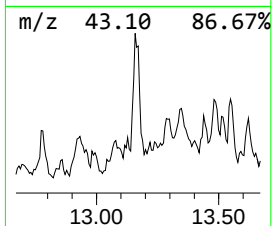
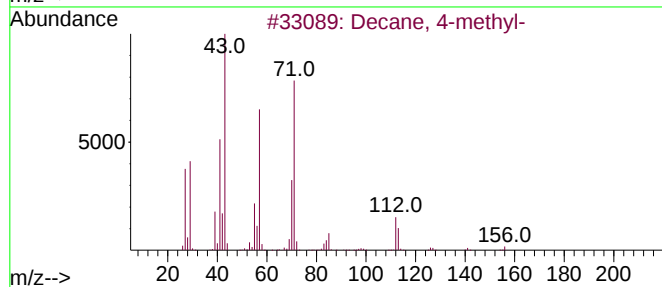
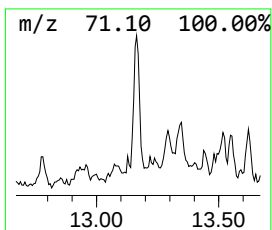
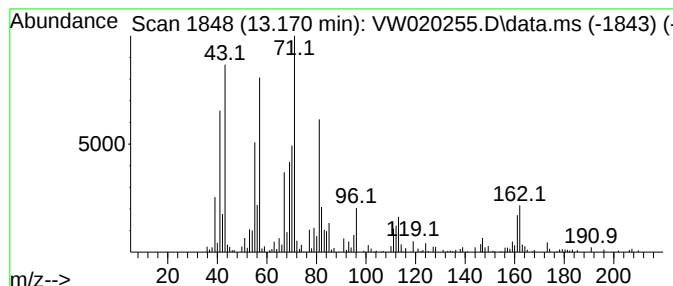
Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.170	5.98 ug/L	188725	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	58
2	Decane, 4-methyl-		156	C11H24	002847-72-5	49
3	Heptane, 5-ethyl-2-methyl-		142	C10H22	013475-78-0	47
4	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	47
5	1-Hexene, 4,5-dimethyl-		112	C8H16	016106-59-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

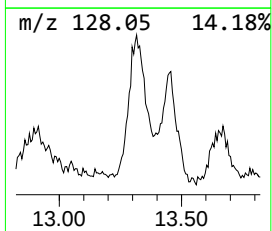
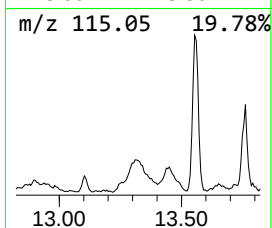
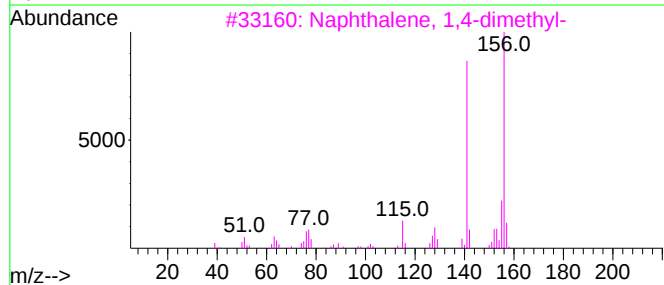
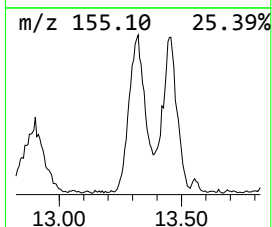
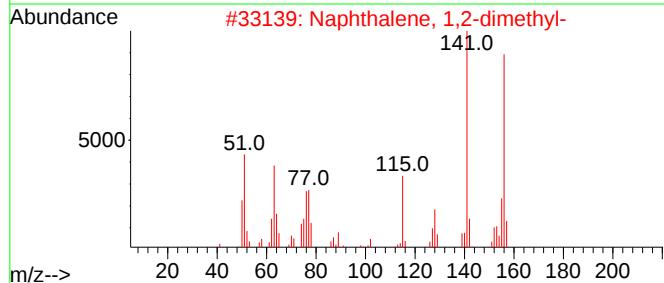
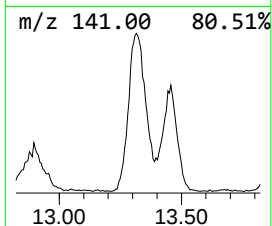
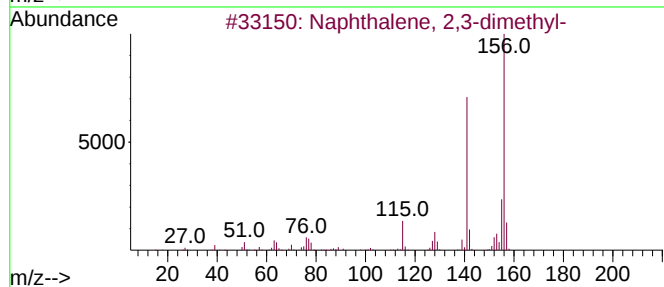
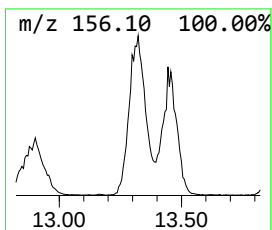
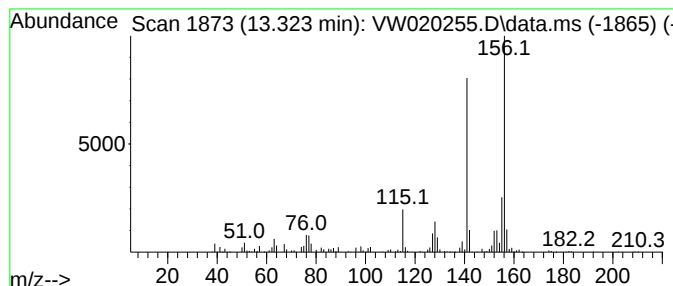
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Quant Title : SFAM01.0

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

Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.323	13.37 ug/L	422022	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

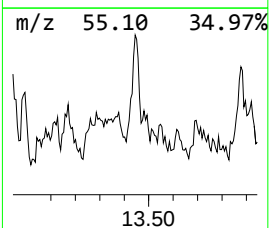
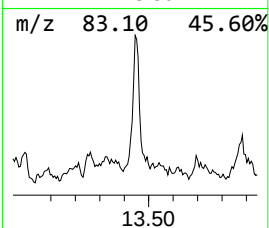
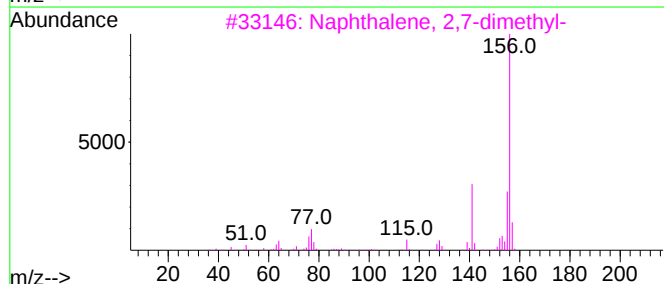
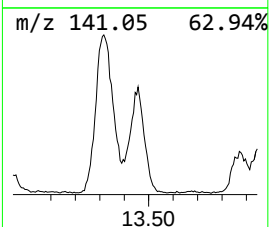
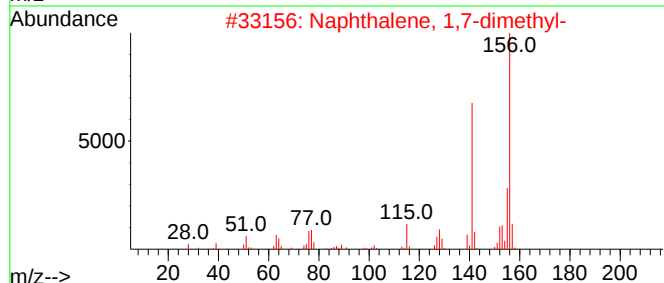
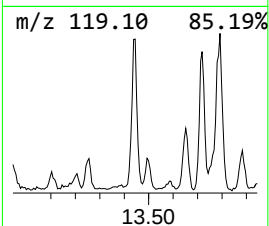
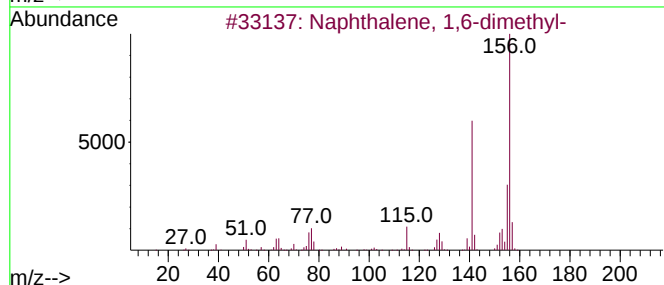
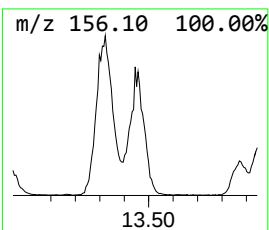
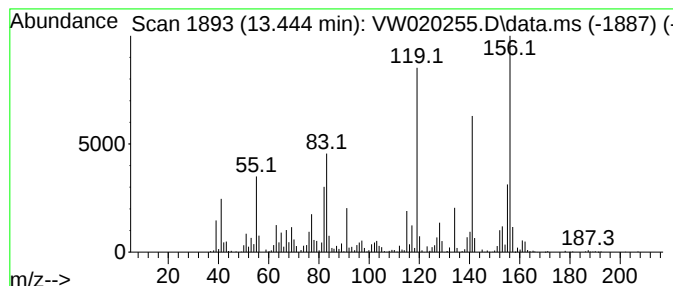
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Quant Title : SFAM01.0

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

Peak Number 21 Naphthalene, 1,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	25.89 ug/L	817583	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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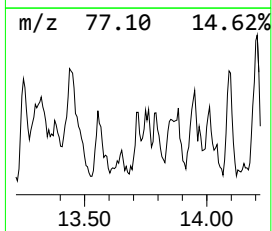
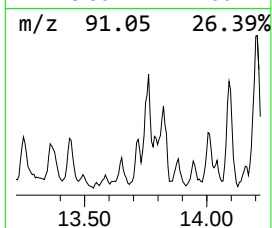
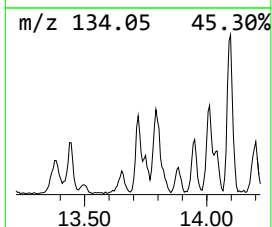
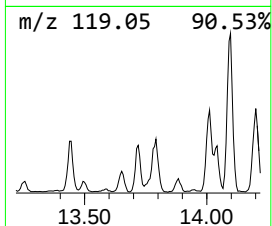
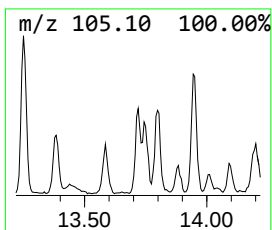
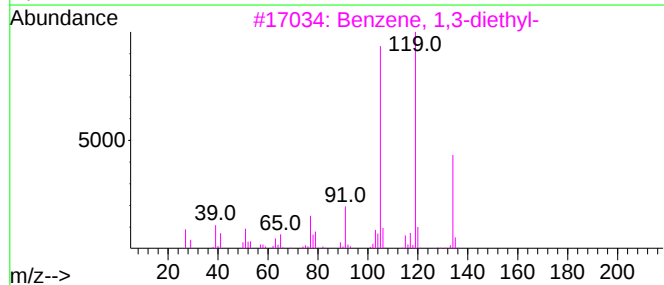
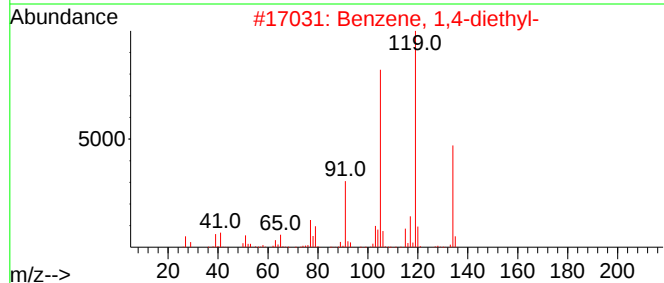
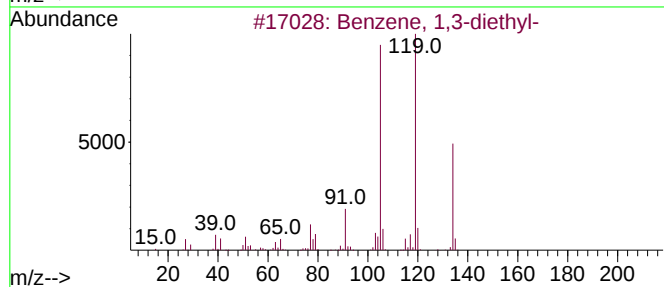
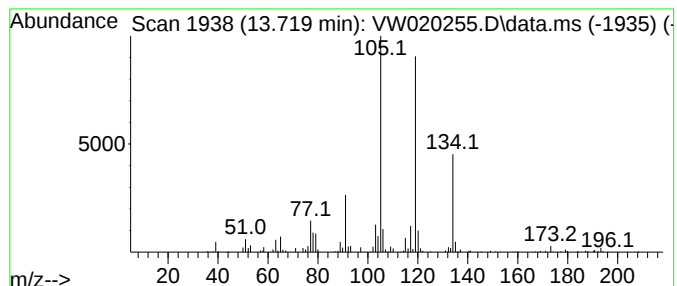
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Quant Title : SFAM01.0

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

Peak Number 23 Benzene, 1,3-diethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	3.17 ug/L	100125	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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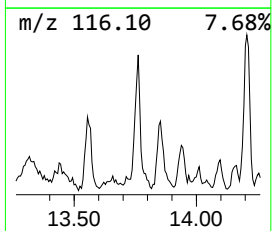
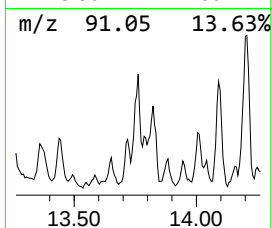
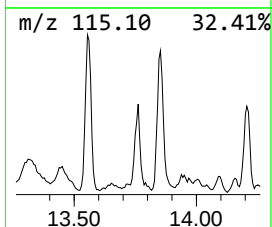
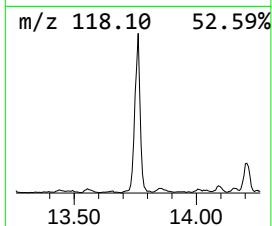
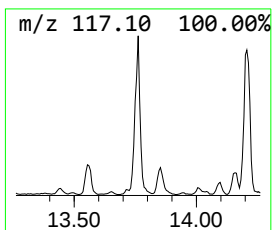
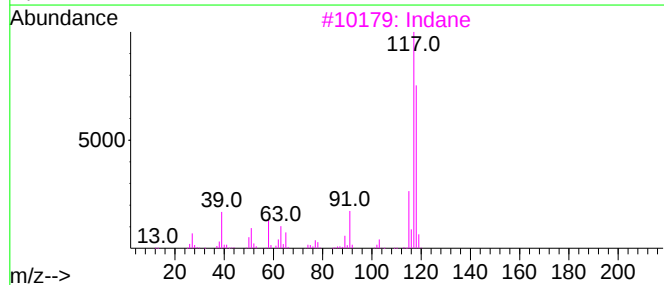
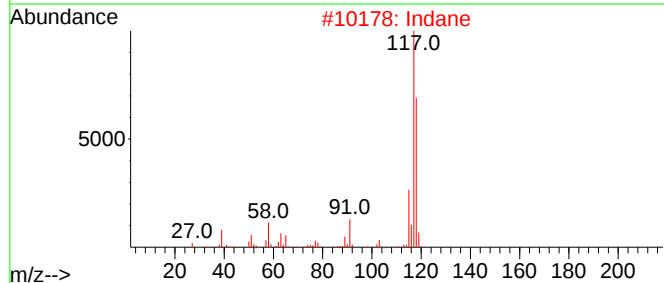
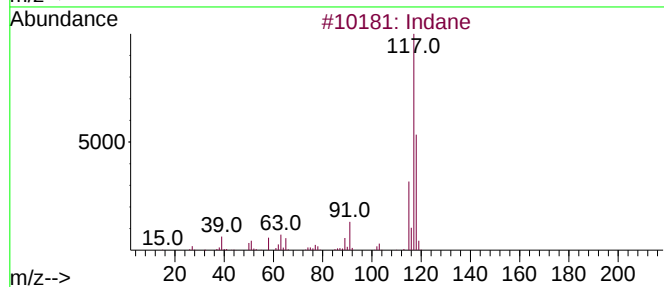
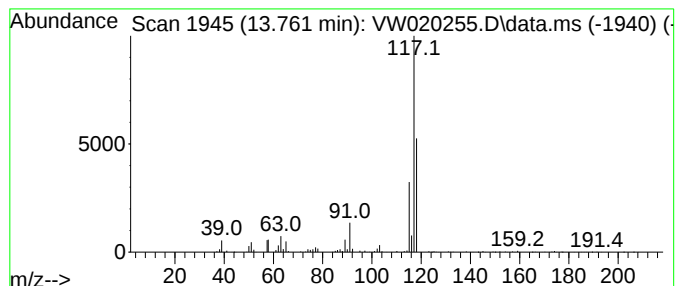
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Quant Title : SFAM01.0

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

Peak Number 24 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.762	10.79 ug/L	340524	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane			118	C9H10	000496-11-7	94
2	Indane			118	C9H10	000496-11-7	87
3	Indane			118	C9H10	000496-11-7	87
4	Indane			118	C9H10	000496-11-7	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...			118	C9H10	1000191-13-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

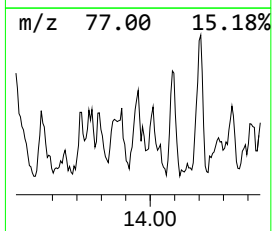
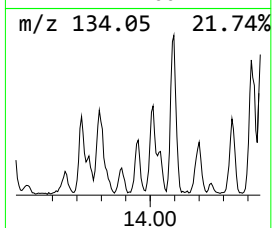
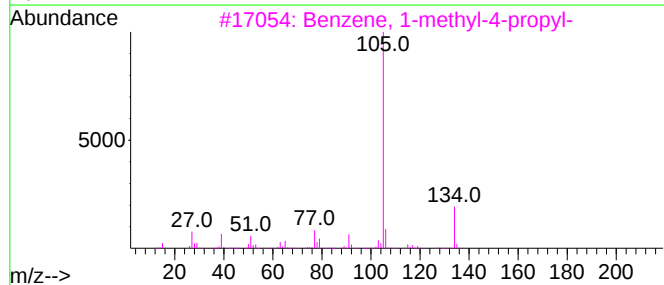
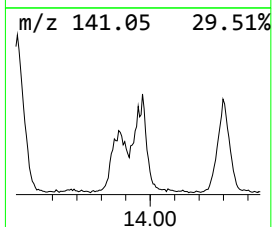
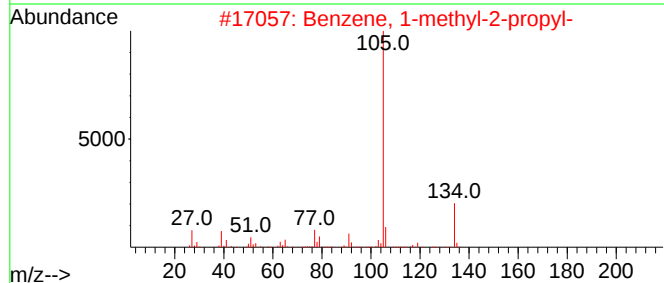
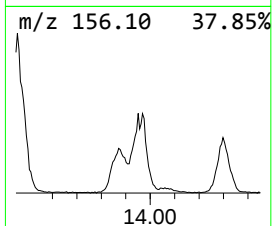
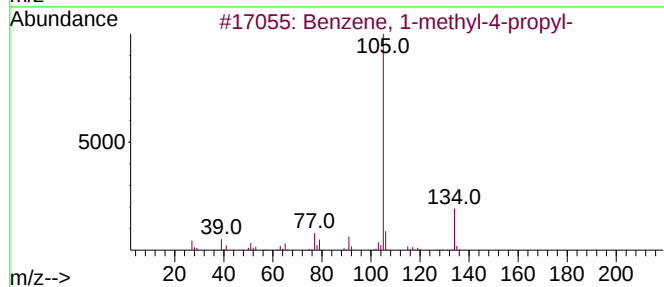
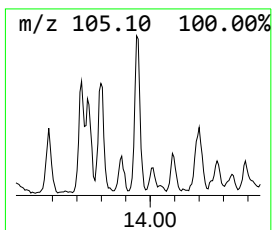
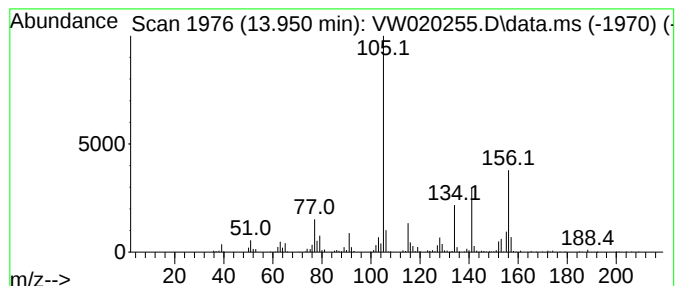
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Quant Title : SFAM01.0

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

Peak Number 26 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.951	5.01 ug/L	158027	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

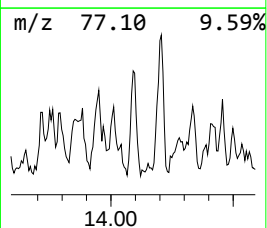
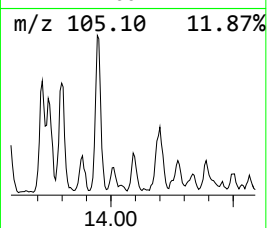
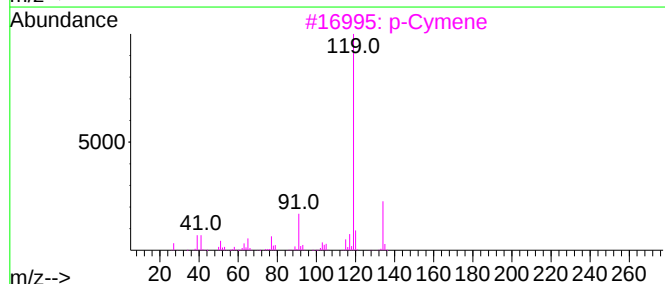
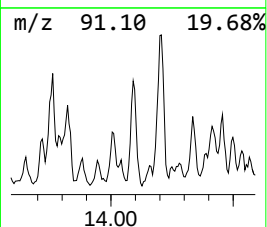
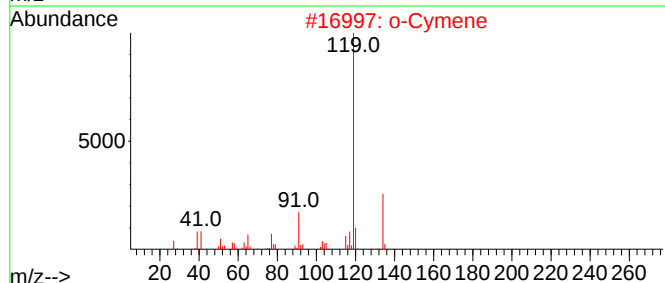
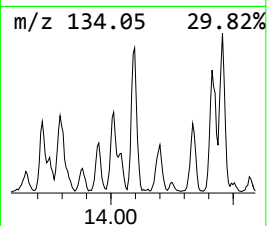
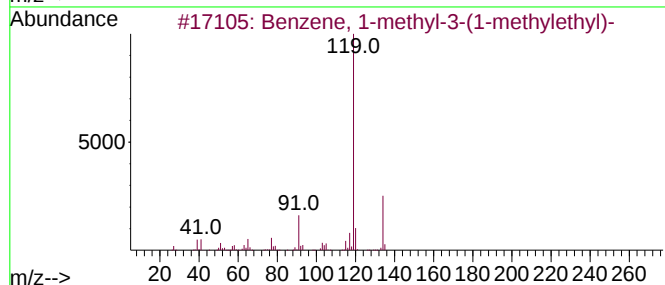
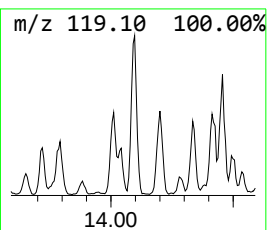
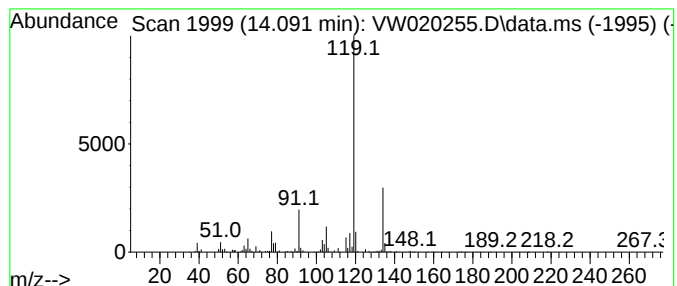
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Quant Title : SFAM01.0

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

Peak Number 29 Benzene, 1-methyl-3-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	9.27 ug/L	292671	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

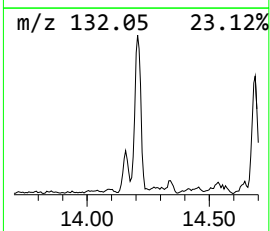
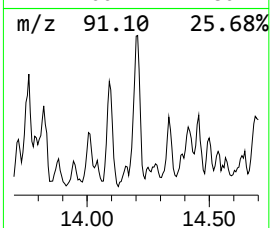
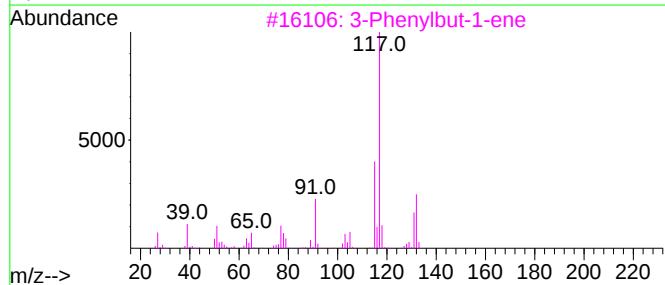
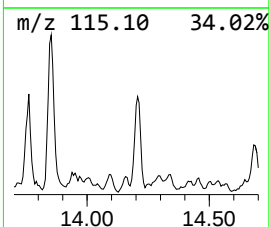
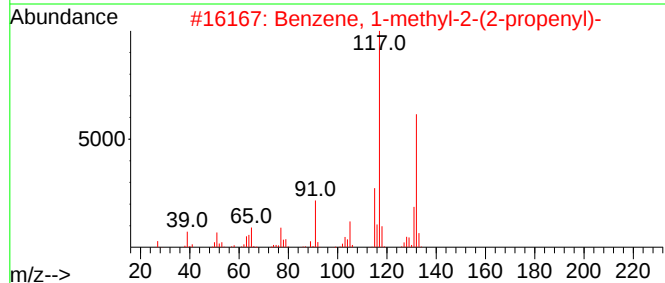
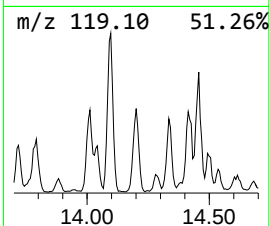
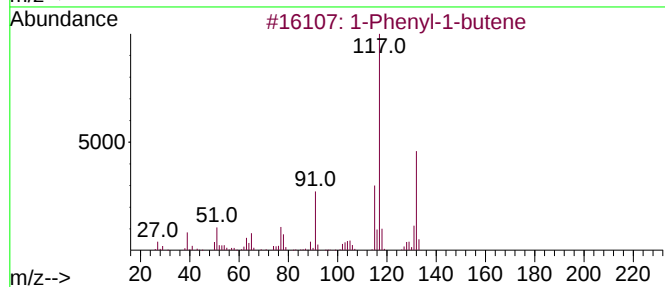
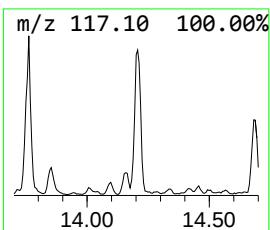
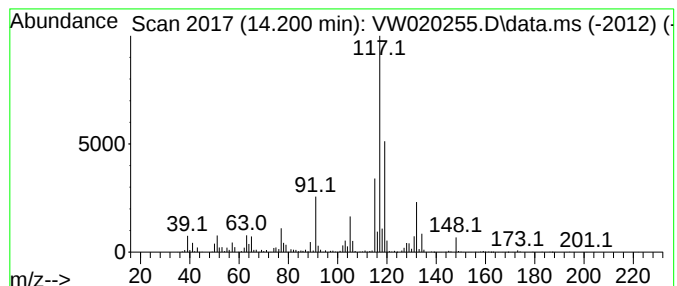
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Quant Title : SFAM01.0

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

Peak Number 30 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	15.77 ug/L	497792	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Phenyl-1-butene	132	C10H12	000824-90-8	76
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

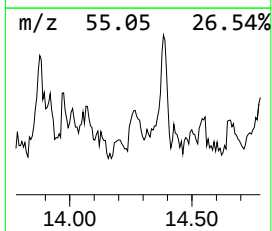
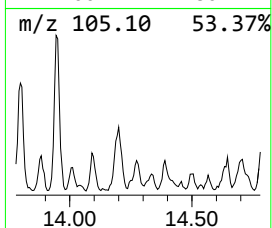
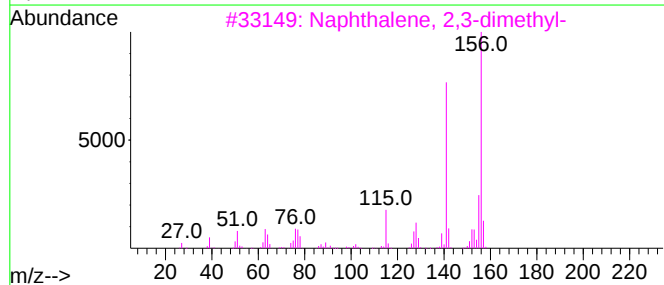
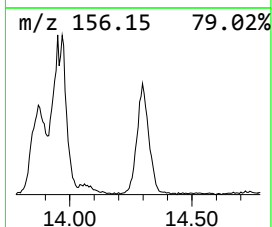
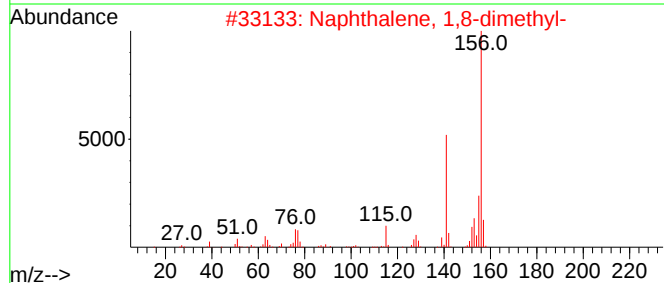
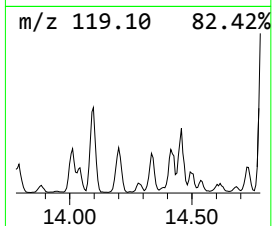
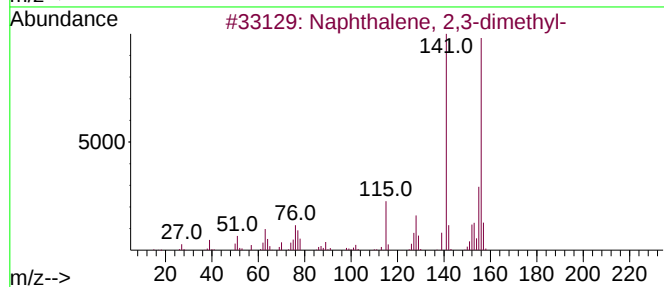
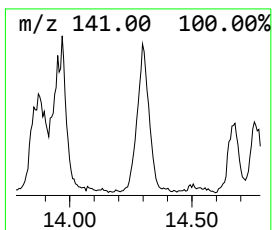
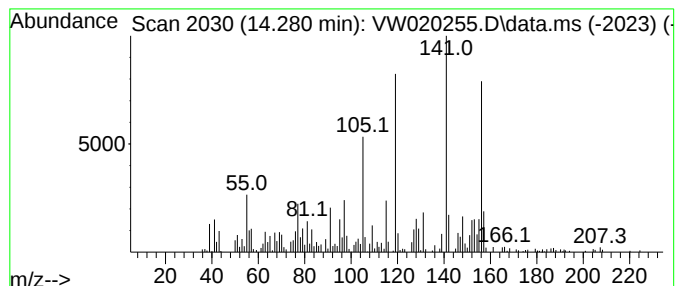
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Quant Title : SFAM01.0

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

Peak Number 31 Naphthalene, 1,8-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.280	8.95 ug/L	282557	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	78
2			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	70
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	60
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	60
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

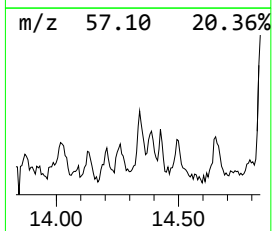
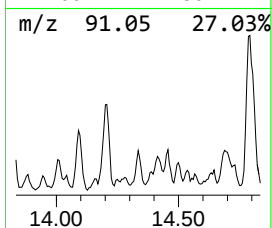
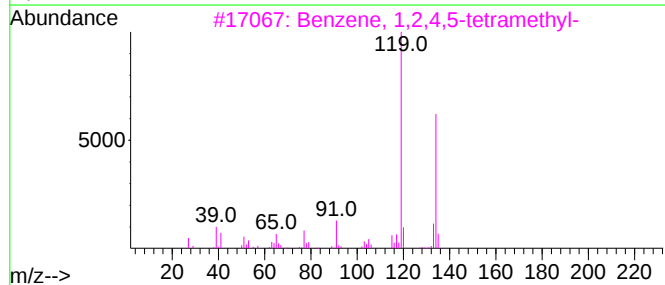
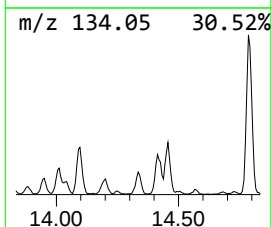
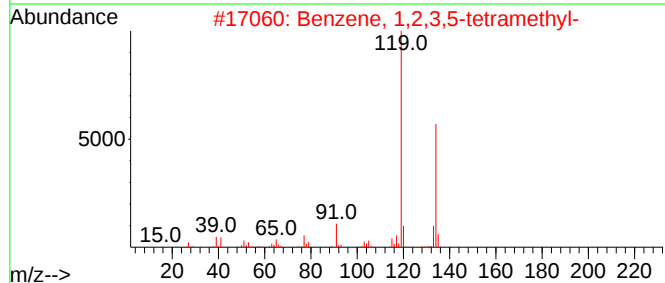
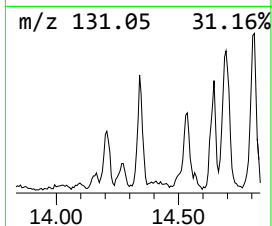
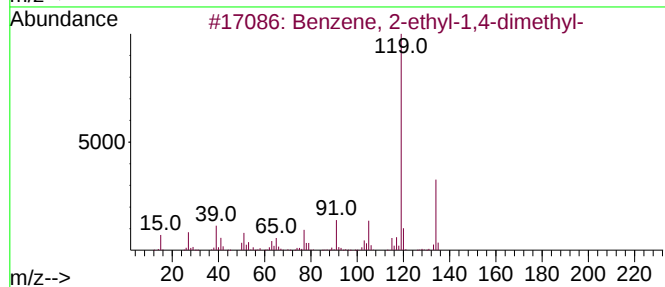
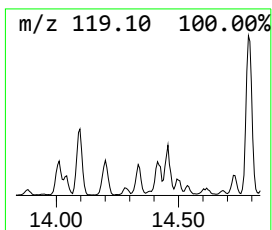
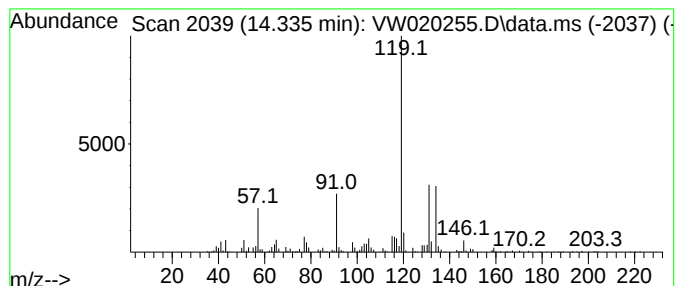
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	3.91 ug/L	123457	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

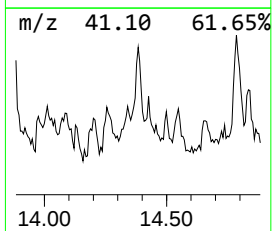
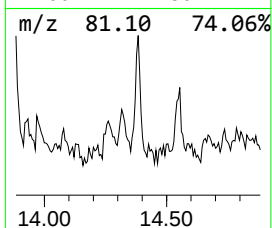
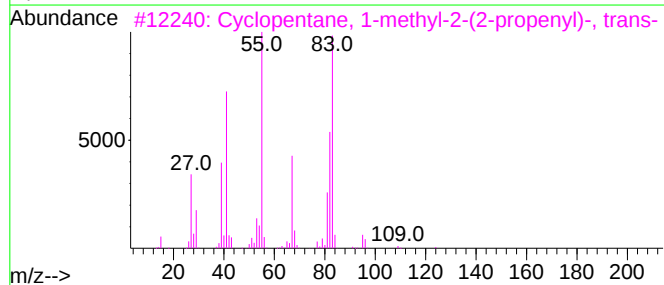
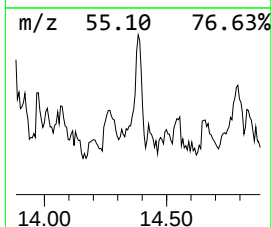
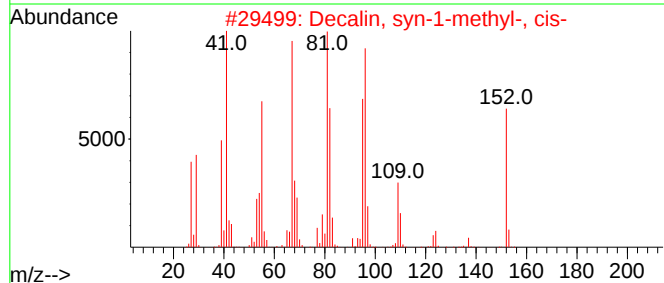
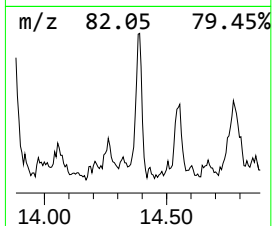
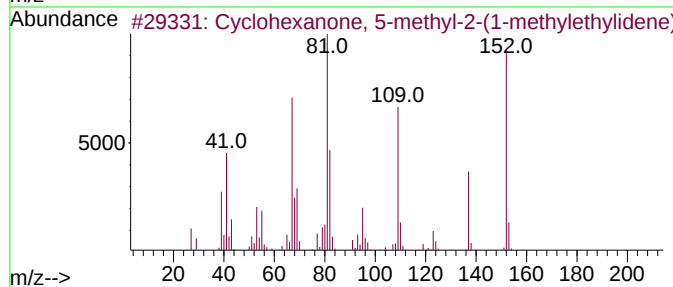
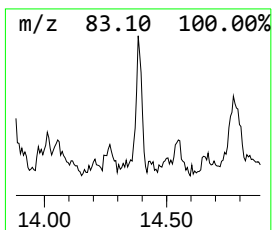
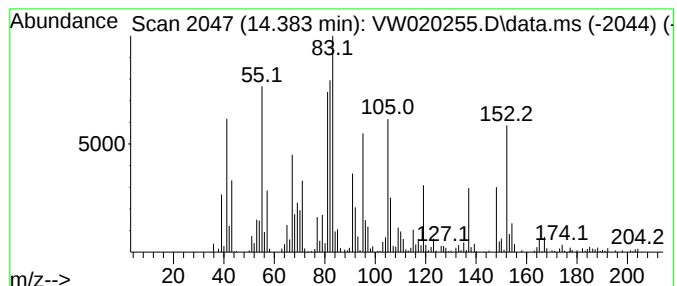
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Quant Title : SFAM01.0

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

Peak Number 33 Cyclohexanone, 5-methyl-2-(... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	3.87 ug/L	122260	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	55
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	38
3			Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	30
4			Pulegone	152	C10H16O	000089-82-7	30
5			Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

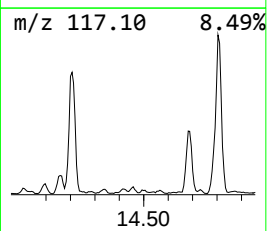
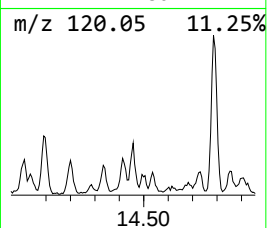
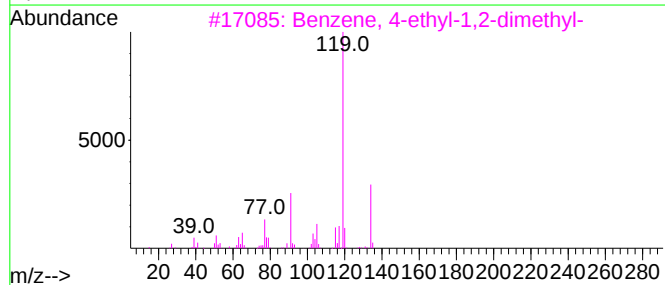
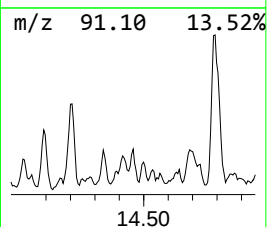
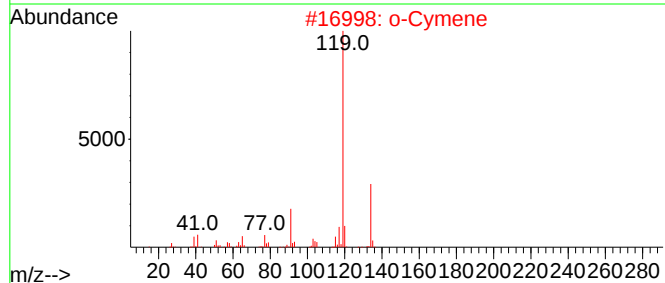
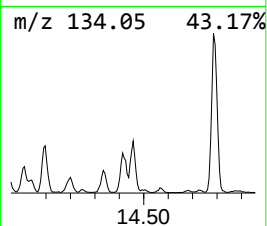
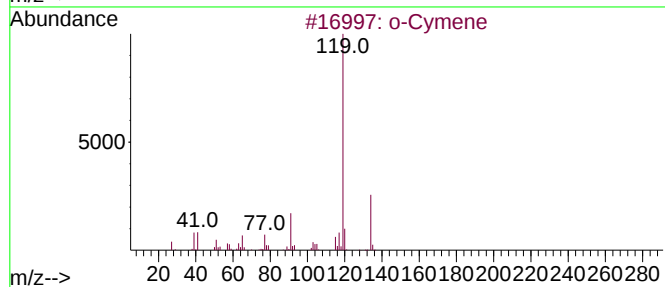
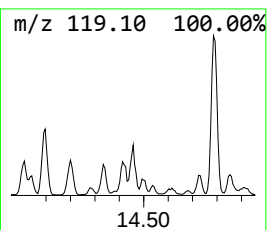
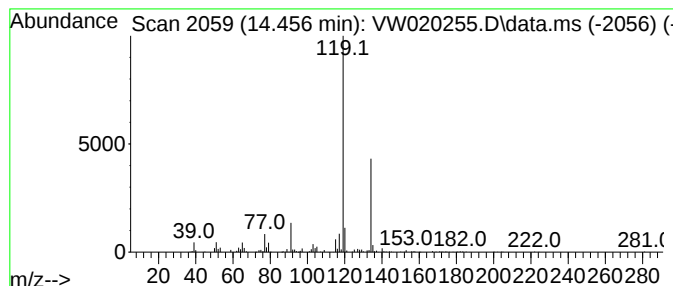
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Quant Title : SFAM01.0

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

Peak Number 34 o-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	3.87 ug/L	122114	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			o-Cymene	134	C10H14	000527-84-4	91
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			p-Cymene	134	C10H14	000099-87-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

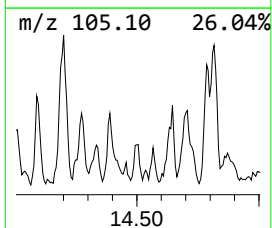
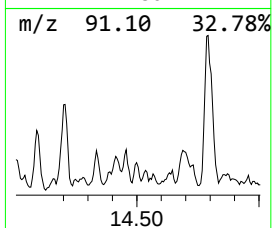
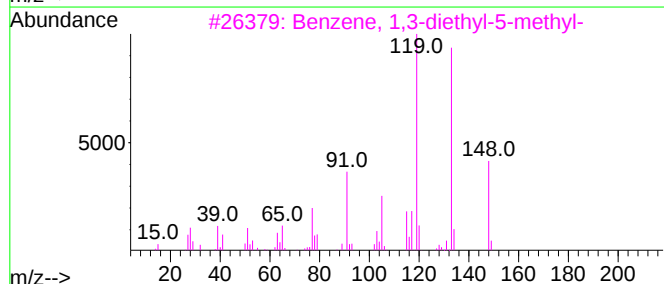
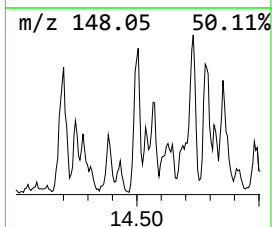
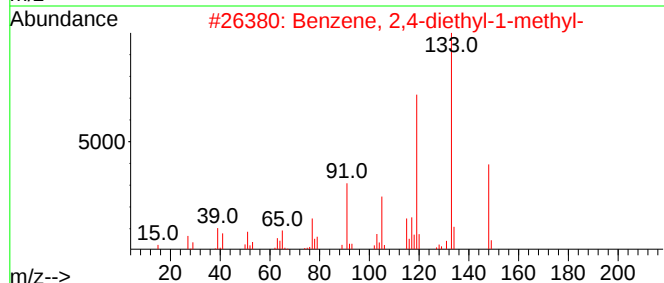
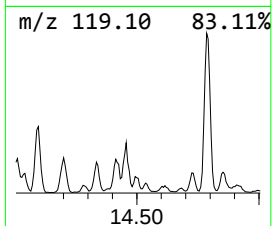
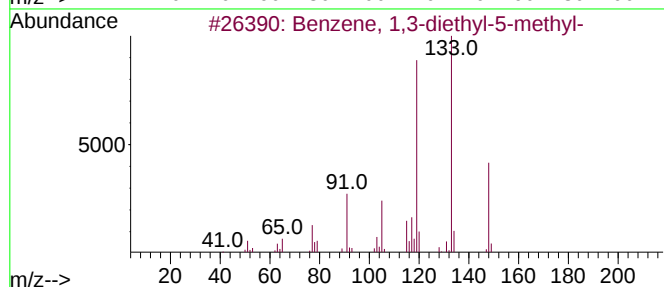
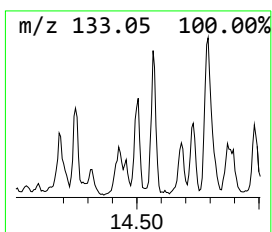
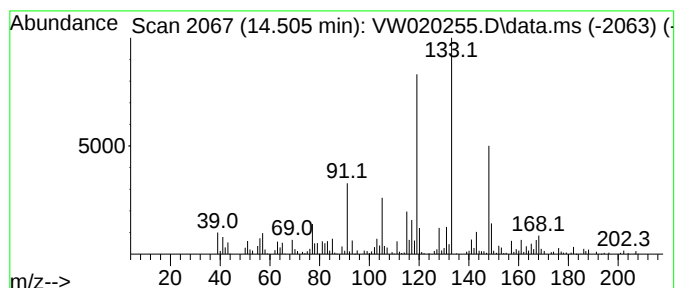
Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.505	3.07 ug/L	96860	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	94
2	Benzene, 2,4-diethyl-1-methyl-		148	C11H16	001758-85-6	93
3	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	93
4	Benzene, 1,4-diethyl-2-methyl-		148	C11H16	013632-94-5	83
5	3,4-Dimethylcumene		148	C11H16	1000370-34-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

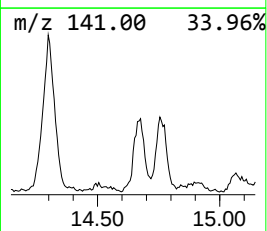
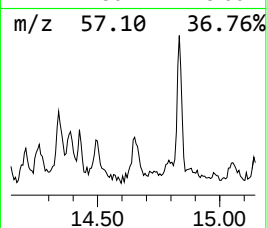
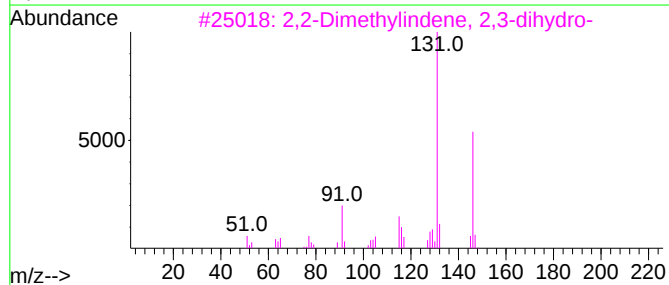
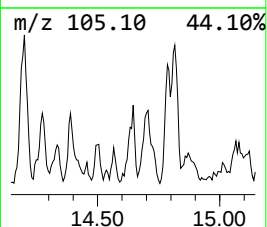
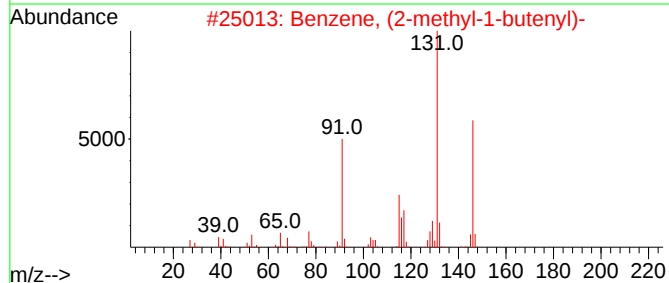
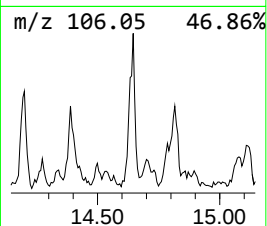
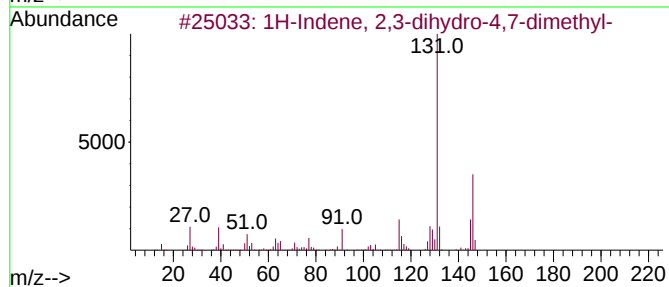
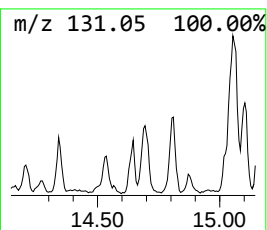
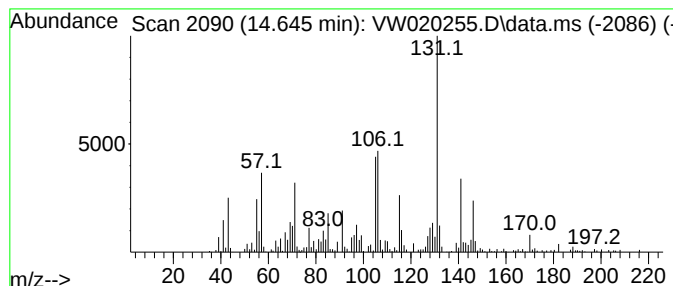
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Quant Title : SFAM01.0

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

Peak Number 37 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.646	3.16 ug/L	99677	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

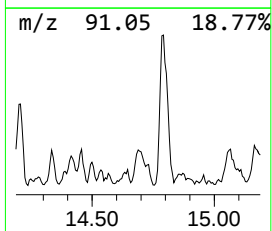
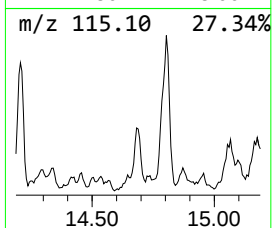
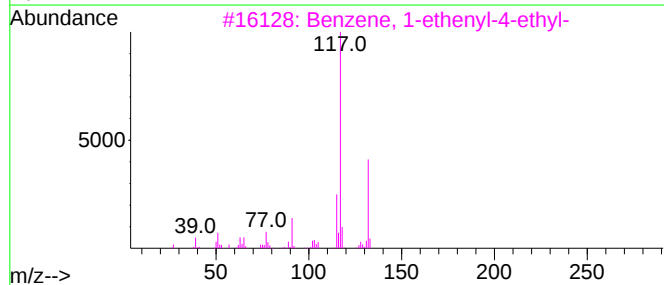
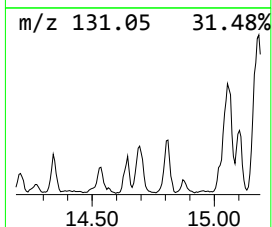
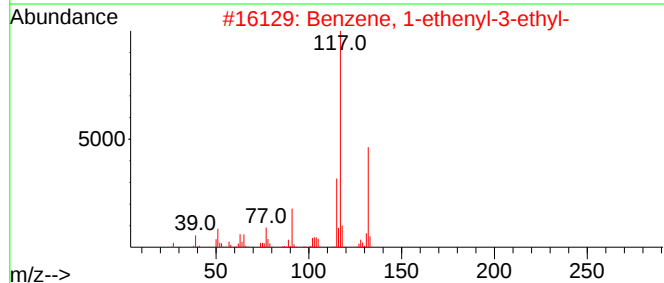
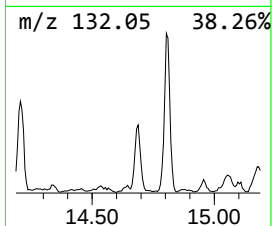
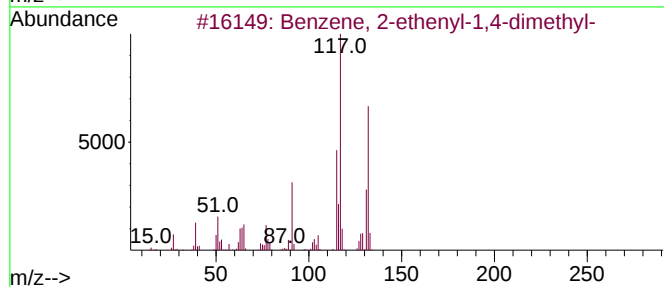
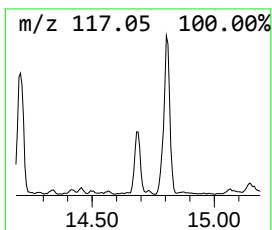
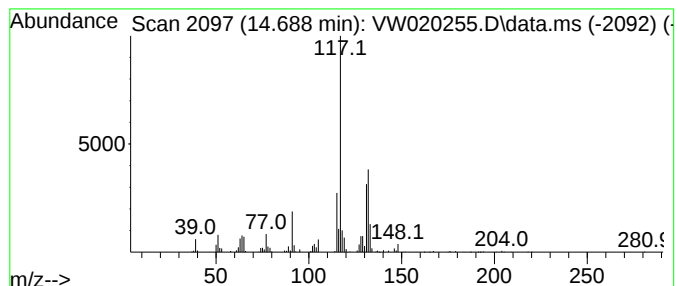
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Quant Title : SFAM01.0

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

Peak Number 38 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	8.45 ug/L	266790	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

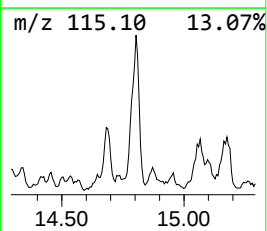
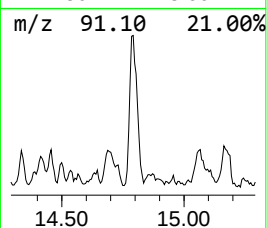
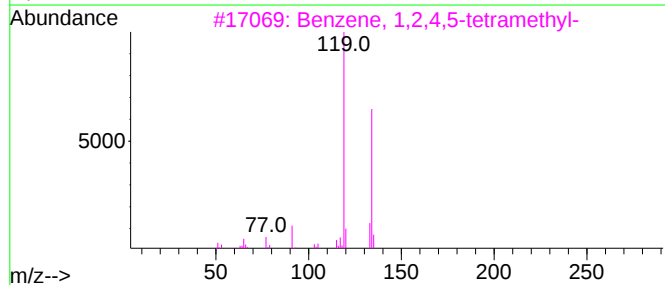
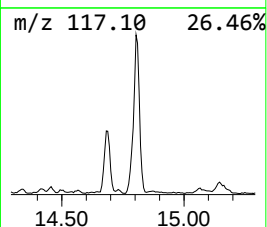
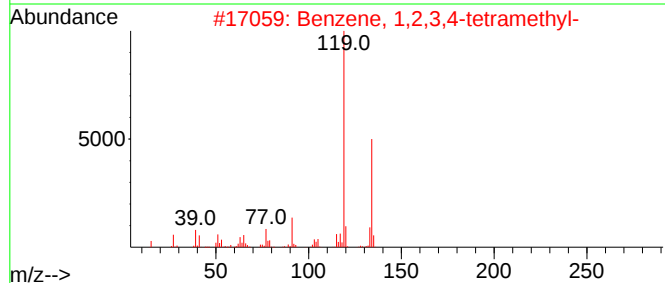
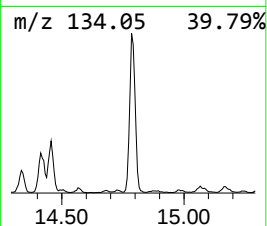
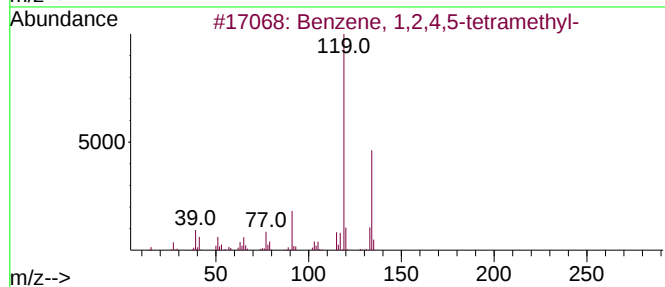
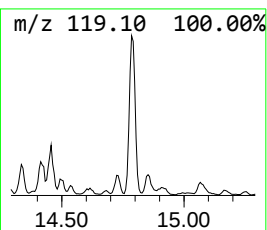
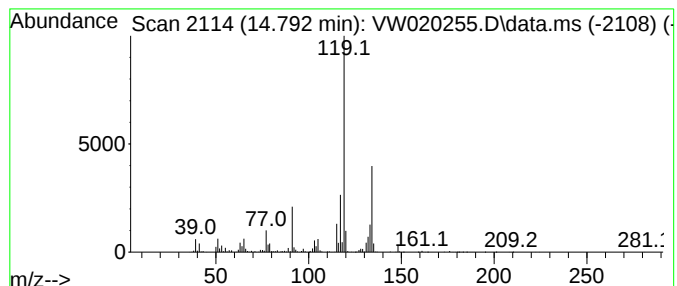
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	39.14 ug/L	1235920	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

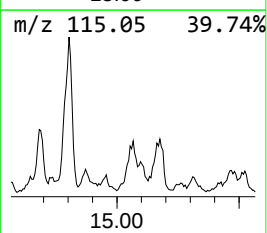
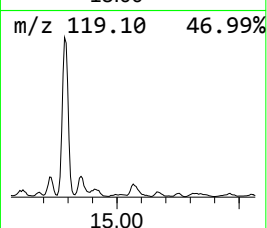
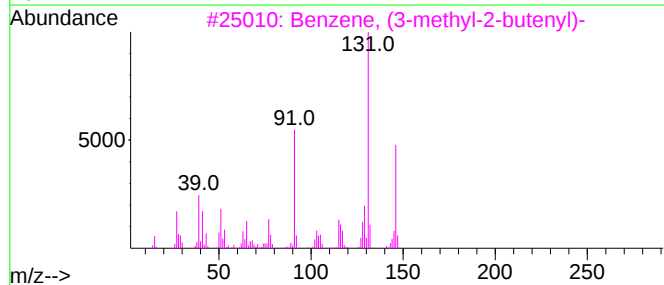
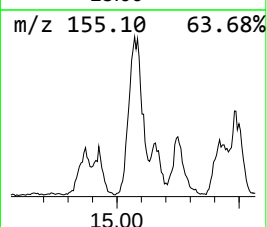
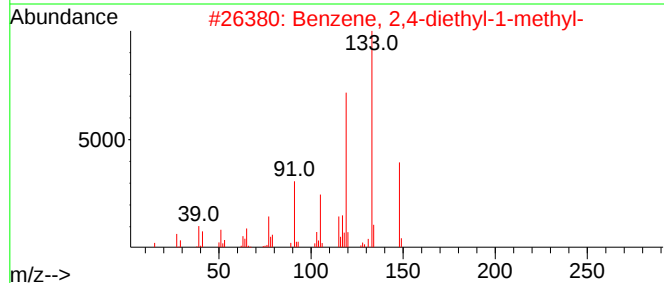
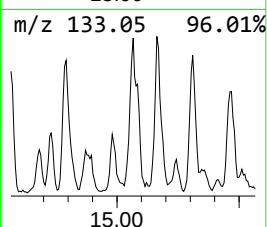
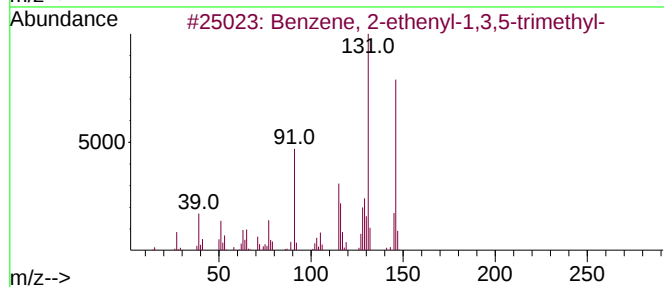
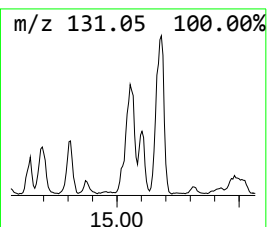
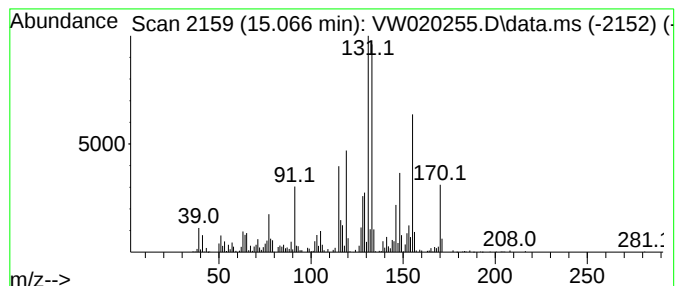
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Quant Title : SFAM01.0

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

Peak Number 41 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	16.46 ug/L	519764	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	42
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	30
5			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

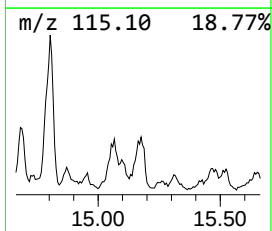
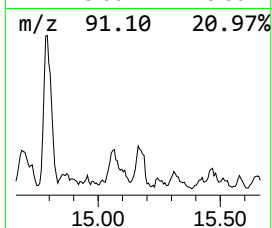
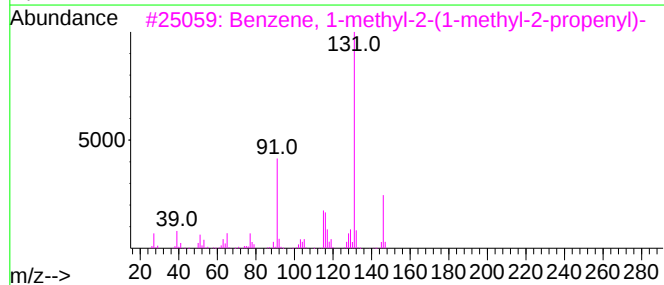
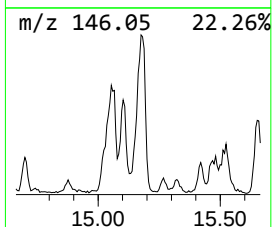
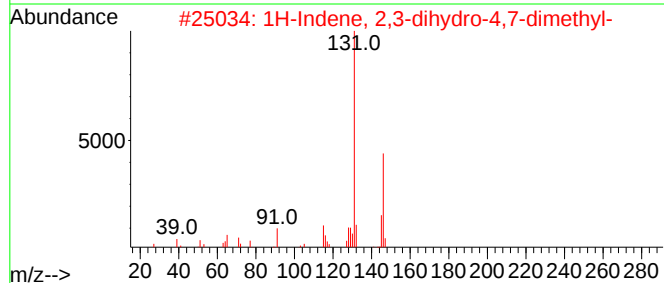
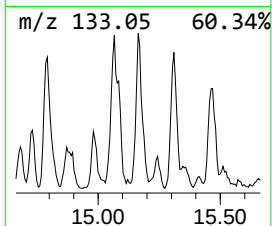
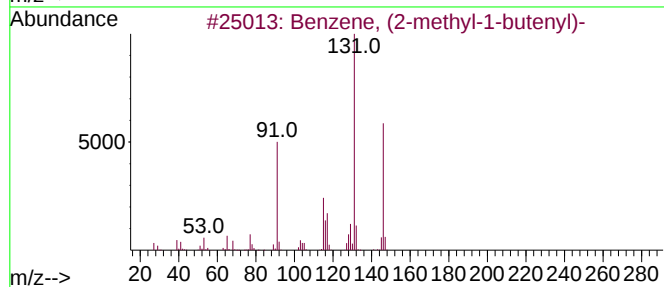
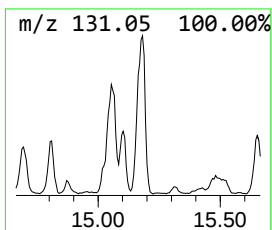
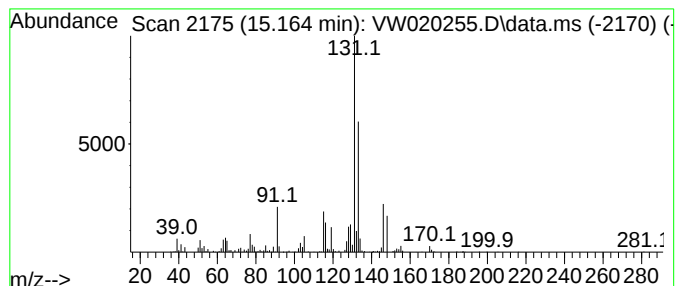
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.164	14.56 ug/L	459626	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
3			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
4			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

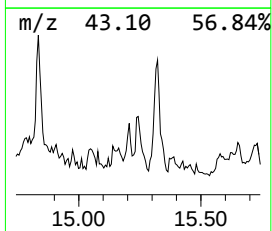
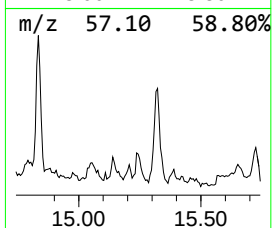
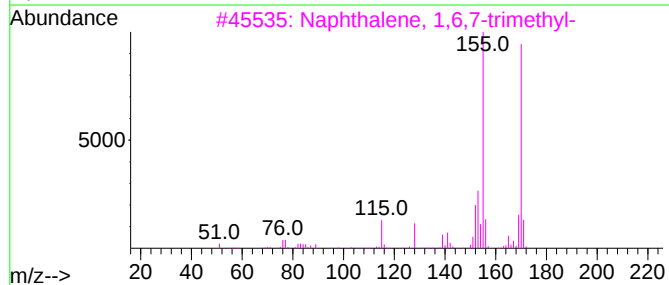
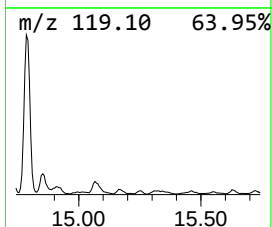
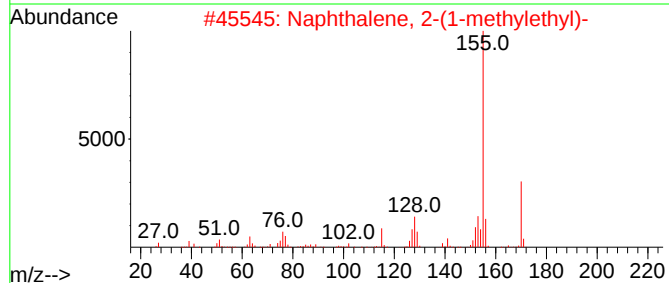
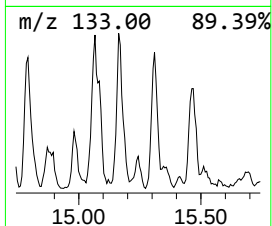
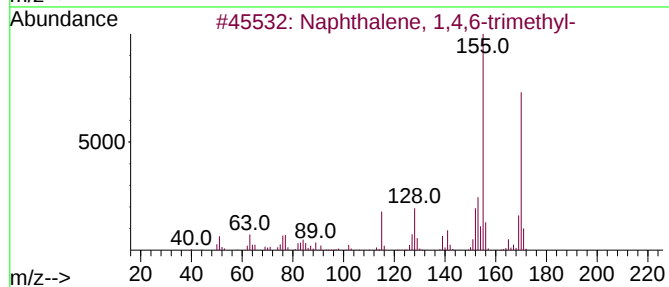
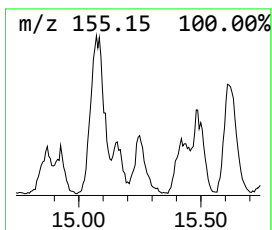
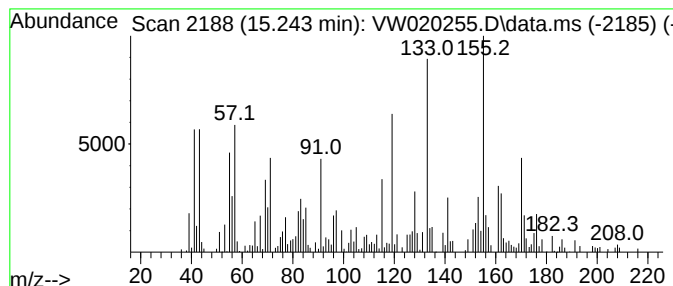
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Quant Title : SFAM01.0

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

Peak Number 43 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	4.04 ug/L	127680	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	45
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	41
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	41
4			5-Methyl-1-phenylhexa-1,3,4-triene	170	C13H14	103240-79-5	35
5			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

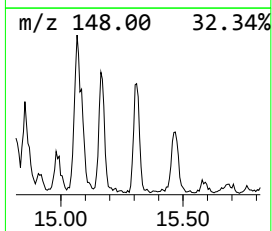
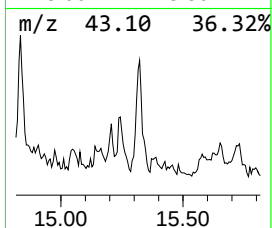
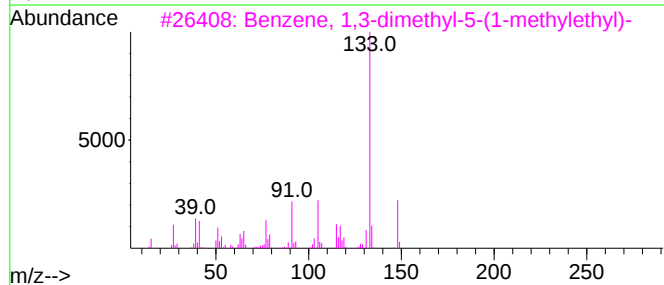
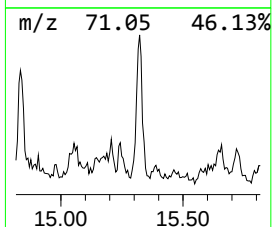
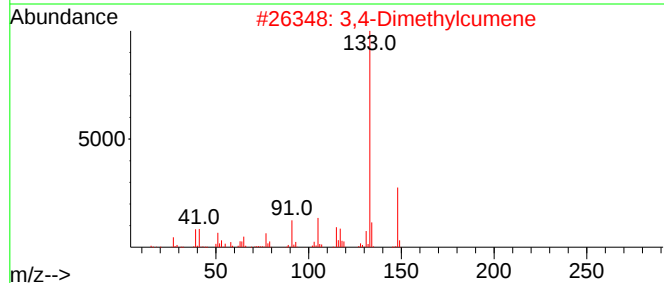
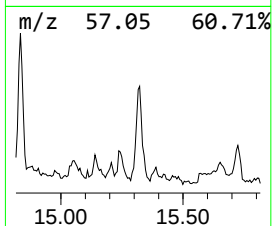
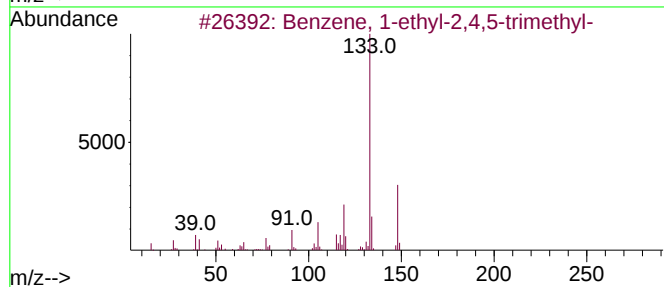
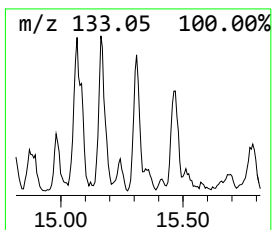
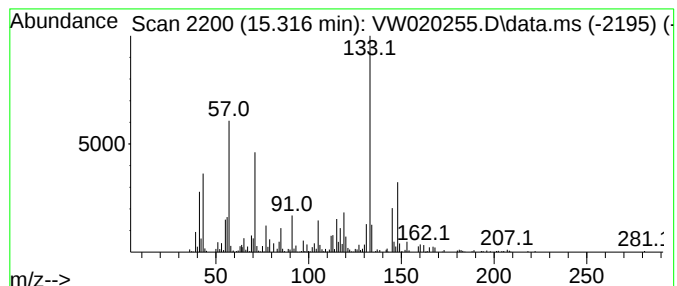
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	7.49 ug/L	236514	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	90
2			3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
3			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	60
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
5			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

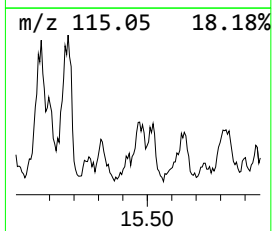
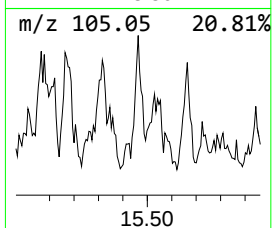
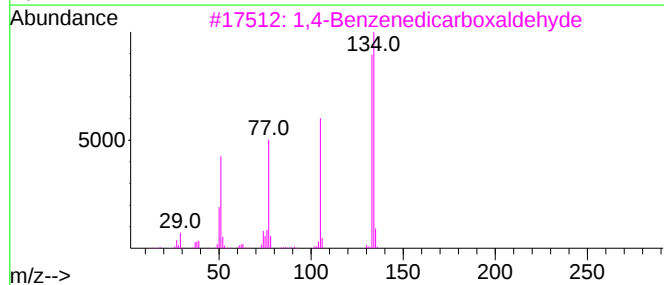
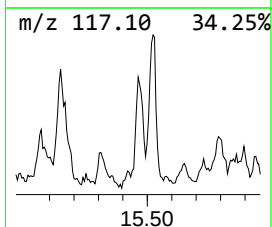
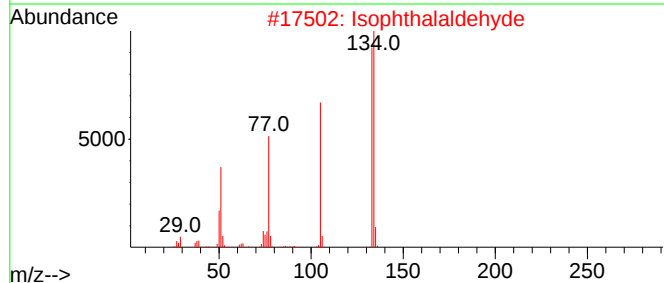
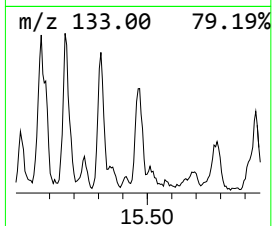
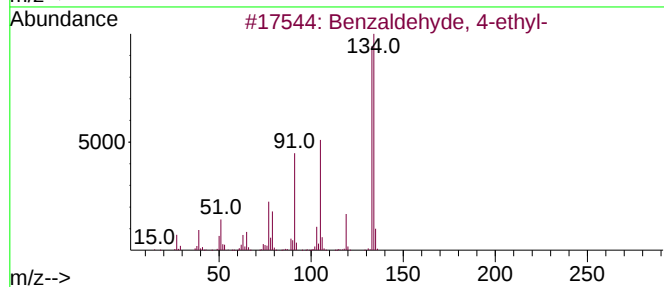
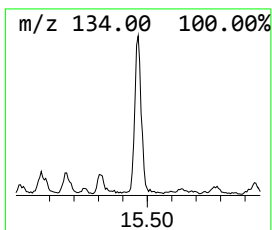
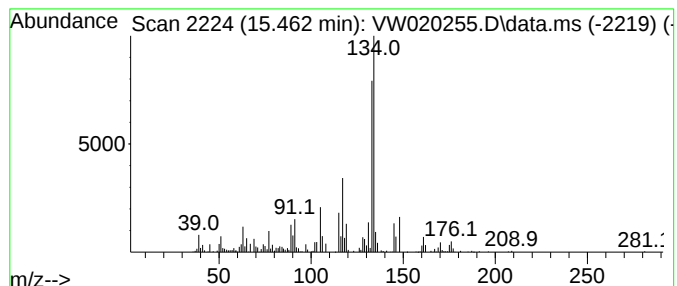
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Quant Title : SFAM01.0

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

Peak Number 45 Benzaldehyde, 4-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	4.85 ug/L	153028	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	76
2			Isophthalaldehyde	134	C8H6O2	000626-19-7	59
3			1,4-Benzenedicarboxaldehyde	134	C8H6O2	000623-27-8	59
4			Isophthalaldehyde	134	C8H6O2	000626-19-7	59
5			2-(1-Cyclopentenyl)furan	134	C9H10O	115754-78-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

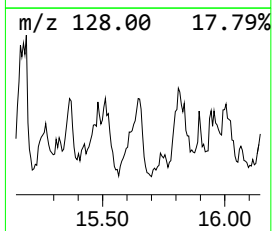
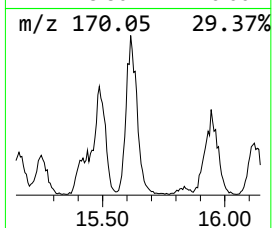
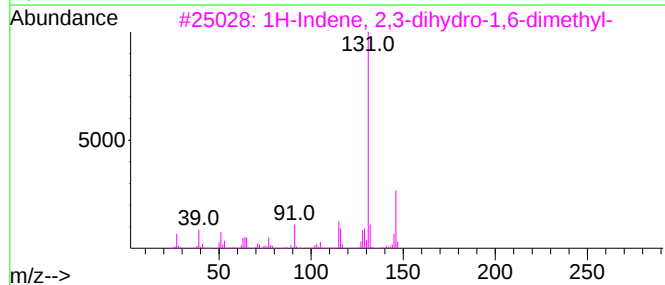
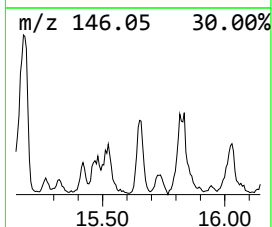
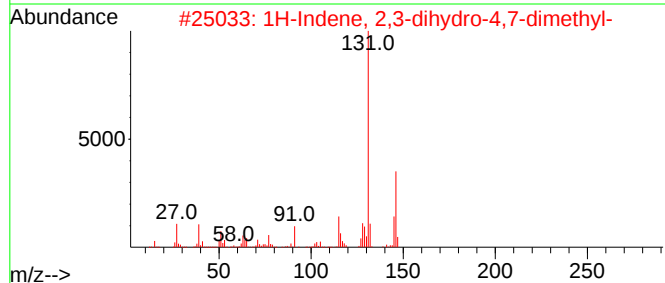
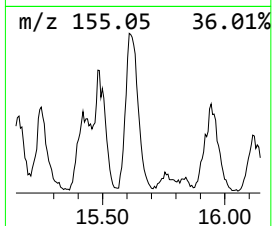
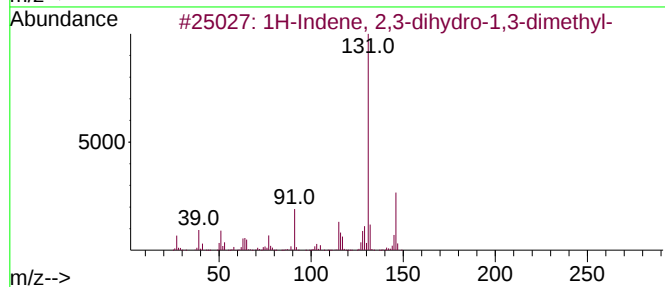
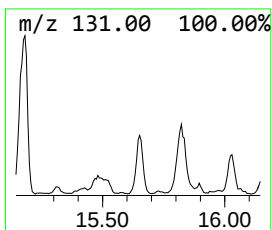
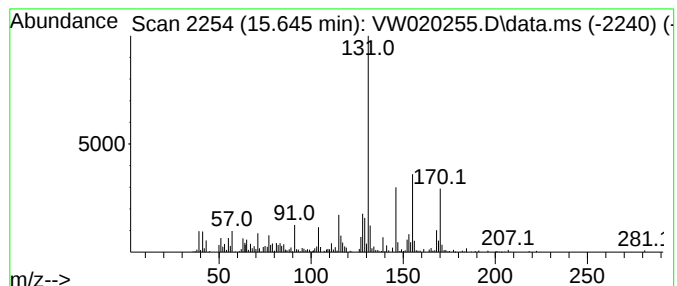
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Quant Title : SFAM01.0

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

Peak Number 46 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.645	12.94 ug/L	408654	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	62
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

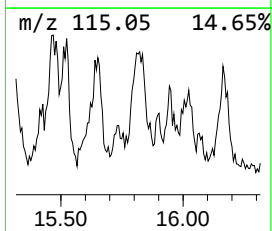
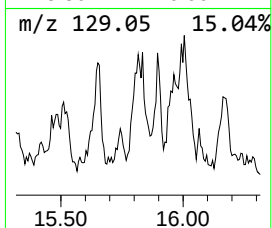
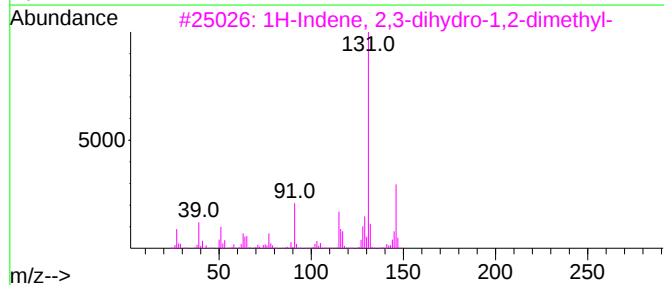
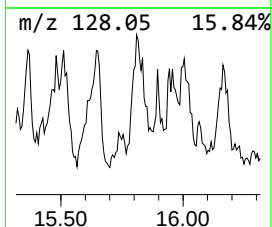
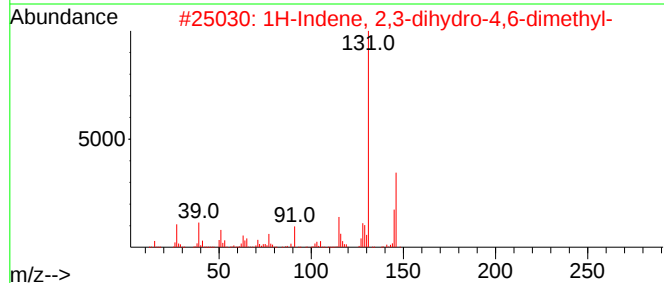
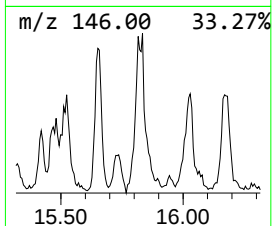
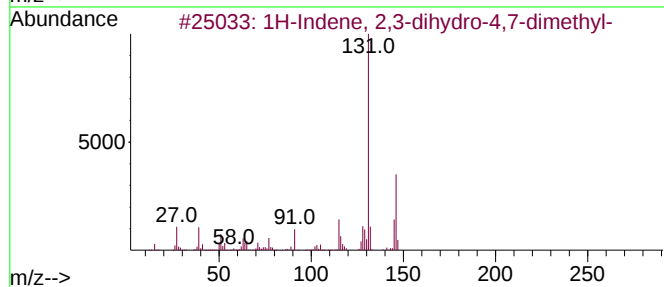
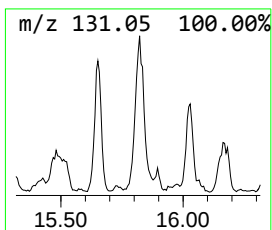
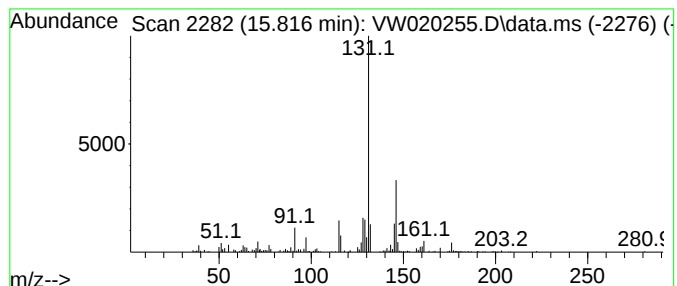
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Quant Title : SFAM01.0

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

Peak Number 47 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.816	3.65 ug/L	115385	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

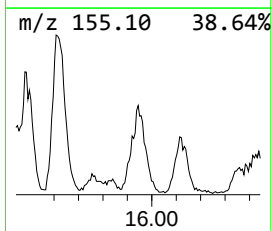
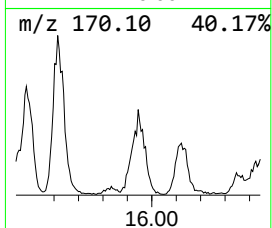
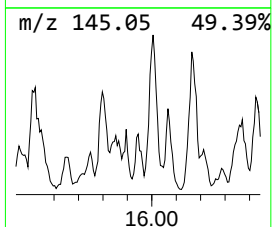
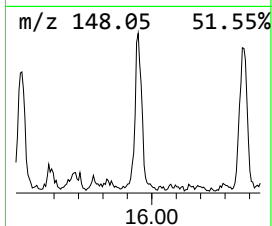
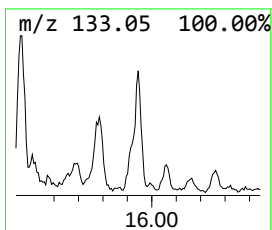
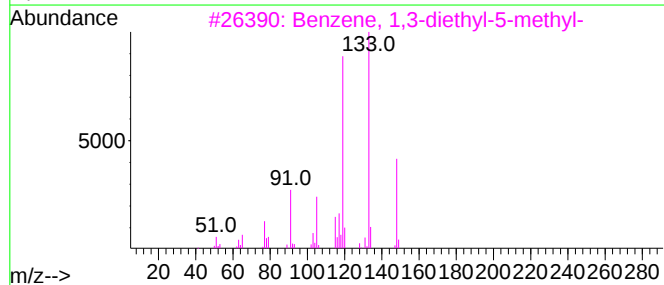
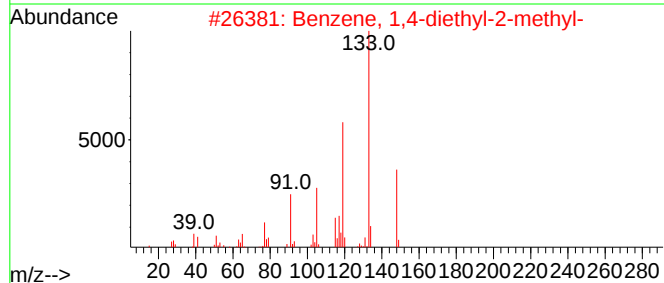
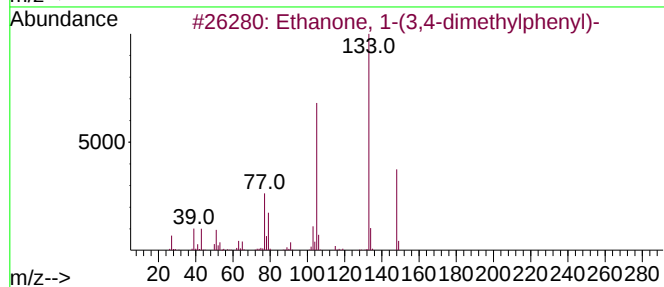
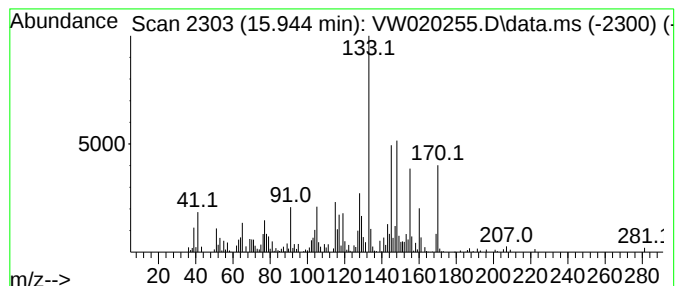
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Quant Title : SFAM01.0

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

Peak Number 49 unknown-04 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	3.28 ug/L	103528	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	42
2			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	38
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
4			m-Ethylacetophenone	148	C10H12O	022699-70-3	38
5			1,5,6,7-Tetramethylbicyclo[3.2.0]...	148	C11H16	134329-46-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

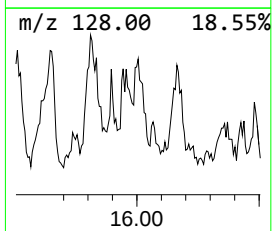
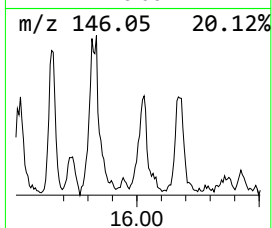
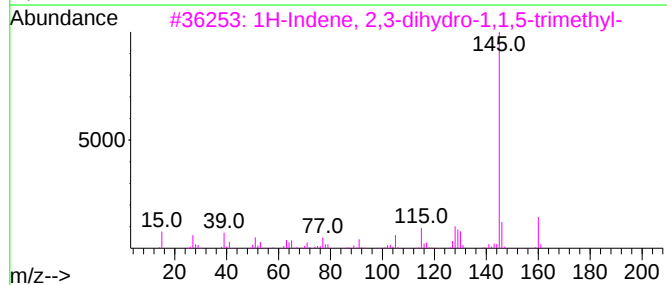
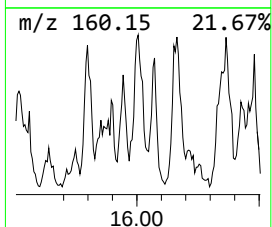
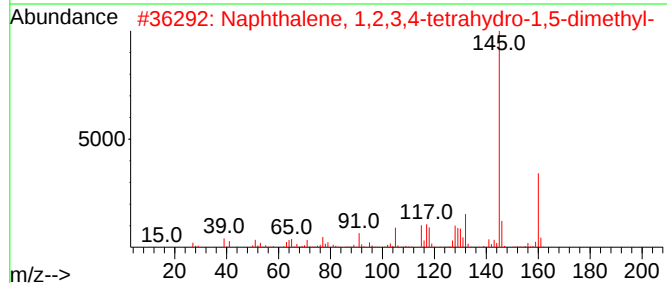
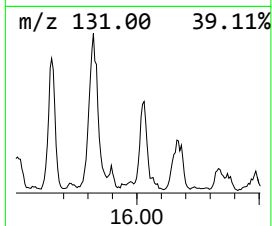
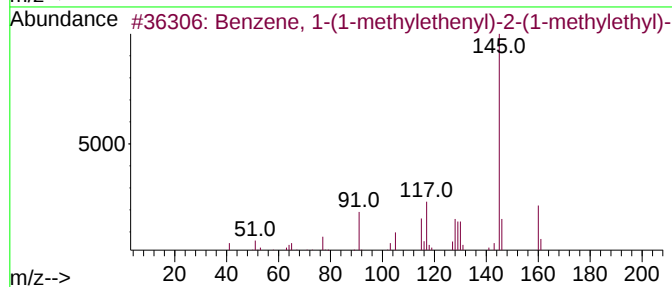
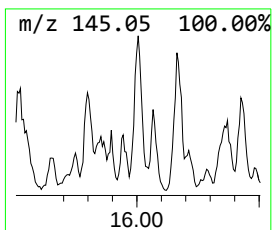
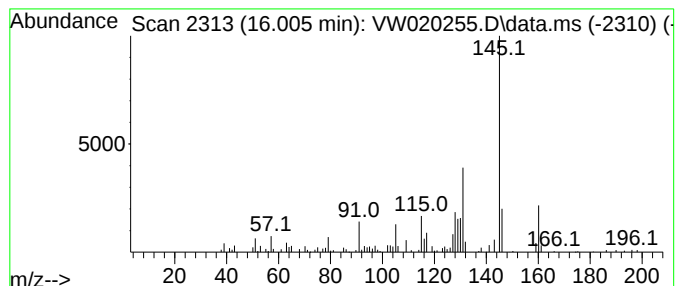
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, 1-(1-methylethenyl)... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.005	3.11 ug/L	98085	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	89
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	76
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
4			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	70
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

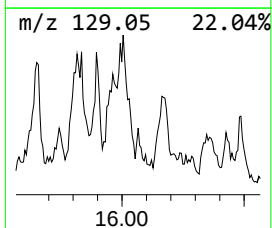
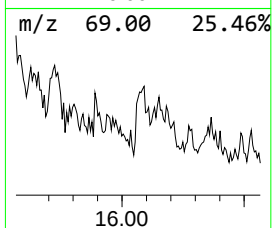
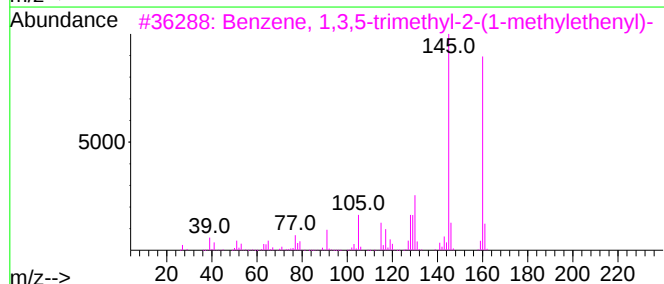
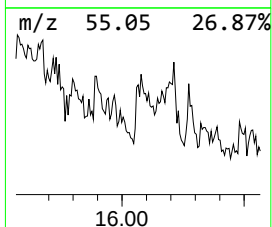
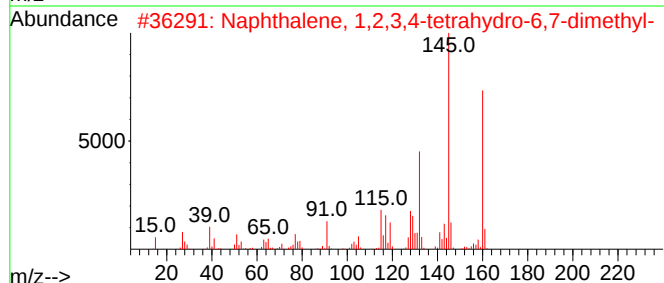
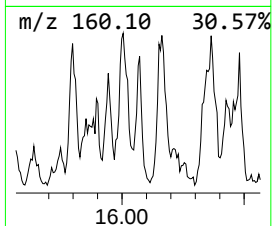
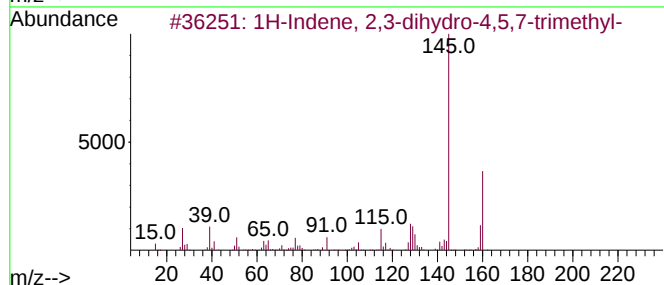
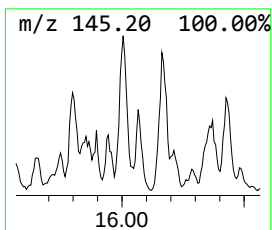
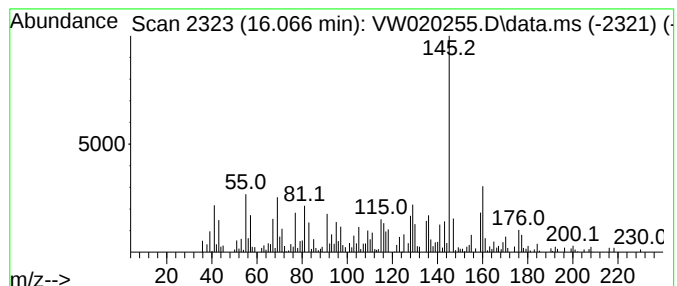
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

Peak Number 51 1H-Indene, 2,3-dihydro-4,5,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.066	2.77 ug/L	87457	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	58
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	53
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50
4			1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	49
5			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

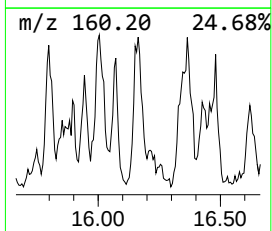
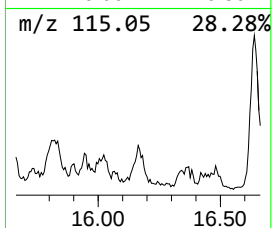
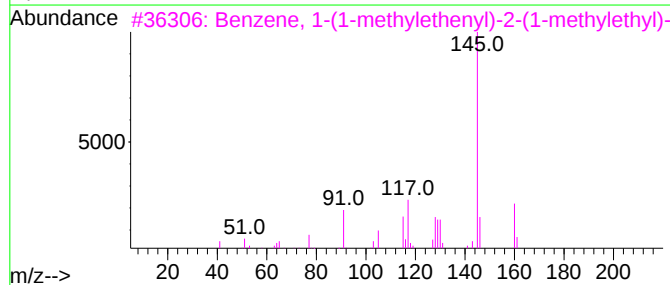
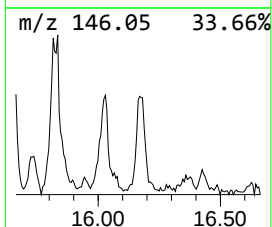
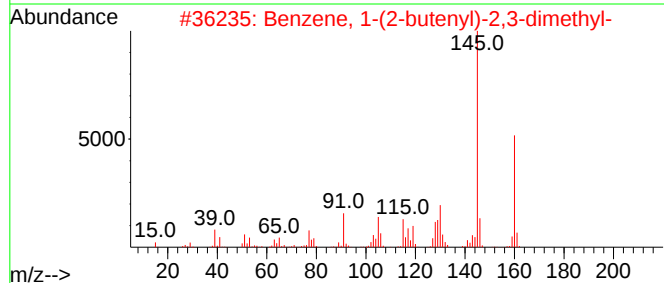
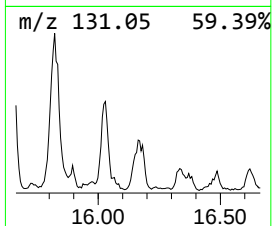
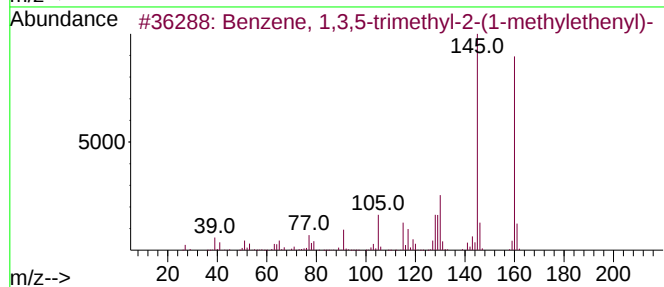
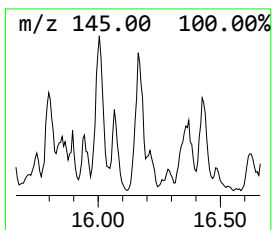
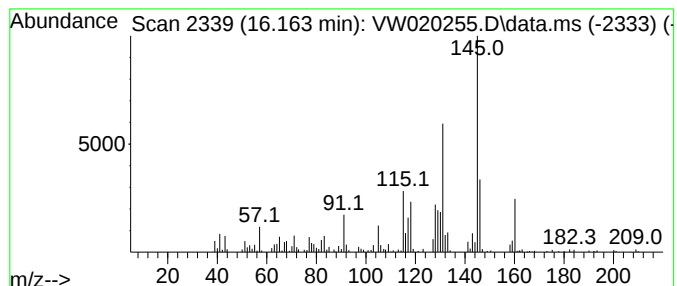
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Quant Title : SFAM01.0

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

Peak Number 52 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	2.84 ug/L	89811	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
3			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
4			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	58
5			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

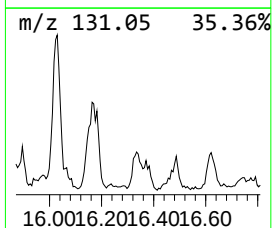
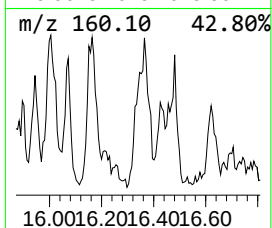
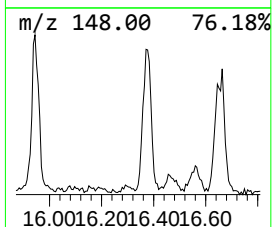
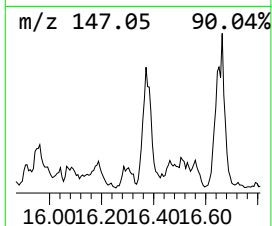
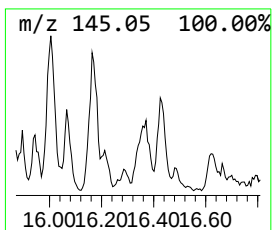
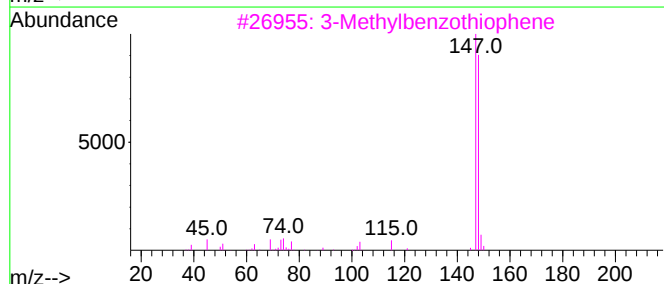
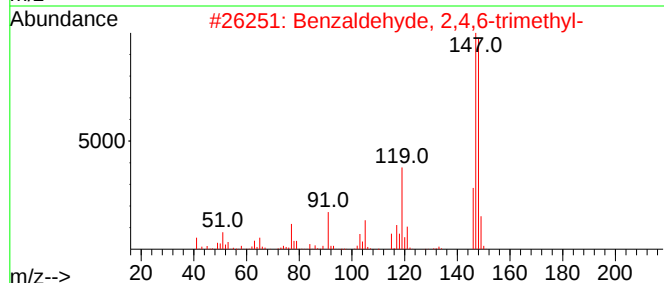
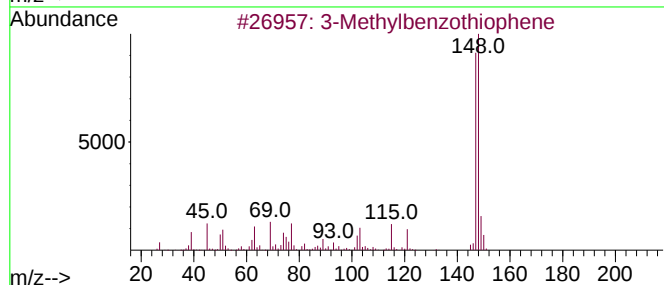
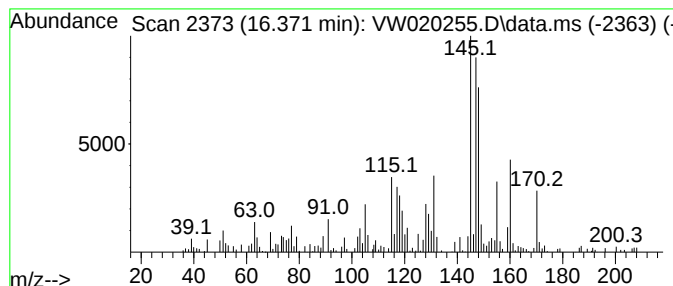
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Quant Title : SFAM01.0

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

Peak Number 53 3-Methylbenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	4.04 ug/L	127627	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Methylbenzothiophene	148	C9H8S	001455-18-1	60
2			Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	42
3			3-Methylbenzothiophene	148	C9H8S	001455-18-1	38
4			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	38
5			2-Methyl-5-hydroxybenzofuran	148	C9H8O2	006769-56-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020255.D
Acq On : 30 Sep 2021 01:54
Operator : SY/VA
Sample : M3974-09
Misc : 7.48g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

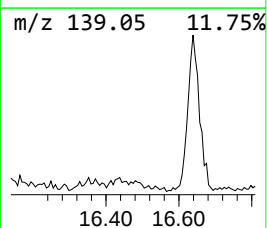
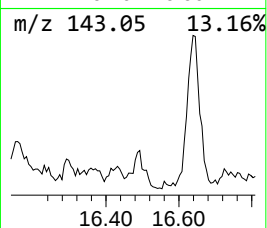
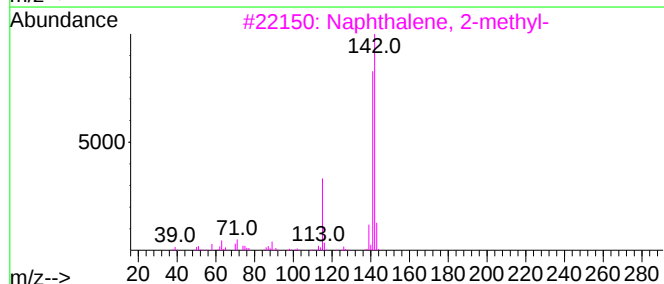
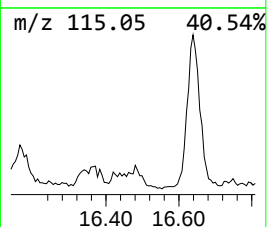
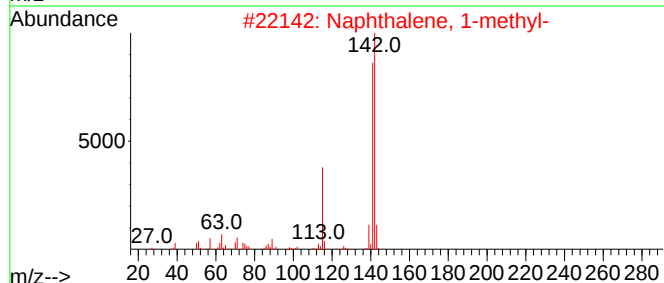
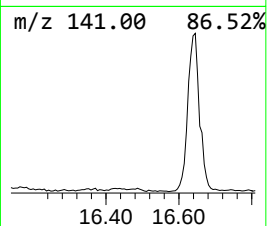
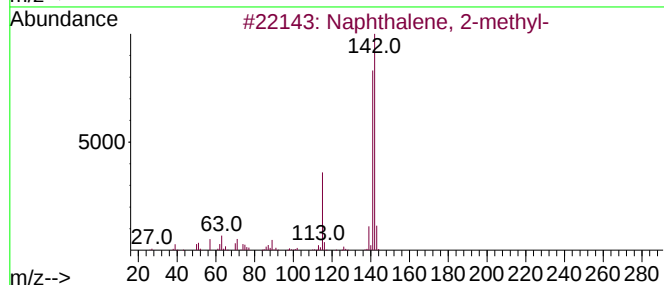
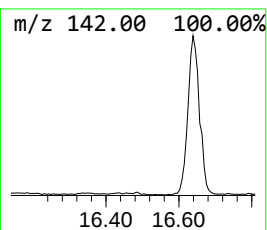
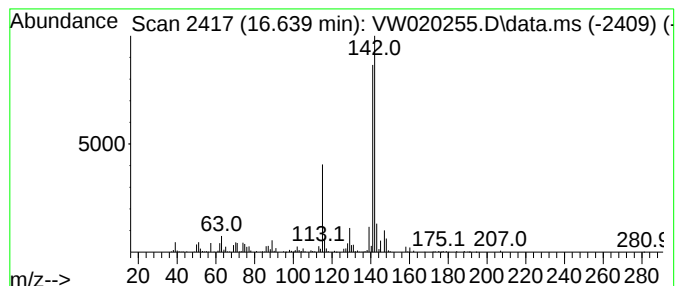
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Quant Title : SFAM01.0

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

Peak Number 55 Naphthalene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	11.76 ug/L	371318	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5			Benzocycloheptatriene	142	C11H10	000264-09-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020255.D
 Acq On : 30 Sep 2021 01:54
 Operator : SY/VA
 Sample : M3974-09
 Misc : 7.48g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Z3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	3.391	1.3	ug/L	50357	1	8.848	955156	25.0
(DEL) Alkane: C...	6.988	2.5	ug/L	95090	1	8.848	955156	25.0
(DEL) Alkane: C...	8.445	2.1	ug/L	78943	1	8.848	955156	25.0
(DEL) Alkane: C...	8.573	1.4	ug/L	52740	1	8.848	955156	25.0
(DEL) Alkane: S...	10.506	1.7	ug/L	63385	2	11.634	924804	25.0
(DEL) Alkane: C...	10.665	2.4	ug/L	87857	2	11.634	924804	25.0
(DEL) Alkane: C...	11.183	2.5	ug/L	93243	2	11.634	924804	25.0
(DEL) Alkane: C...	11.225	3.1	ug/L	115599	2	11.634	924804	25.0
(DEL) Alkane: S...	11.335	1.8	ug/L	67577	2	11.634	924804	25.0
(DEL) Alkane: C...	11.433	3.3	ug/L	121462	2	11.634	924804	25.0
(DEL) Alkane: S...	11.512	2.5	ug/L	92864	2	11.634	924804	25.0
(DEL) Alkane: S...	12.250	1.4	ug/L	51258	2	11.634	924804	25.0
(DEL) Alkane: C...	12.378	2.6	ug/L	94765	2	11.634	924804	25.0
(DEL) Alkane: C...	12.780	9.0	ug/L	285107	3	13.554	789335	25.0
Naphthalene, 1,...	12.859	4.0	ug/L	125899	3	13.554	789335	25.0
Benzene, 1-ethy...	13.103	17.7	ug/L	559466	3	13.554	789335	25.0
(DEL) Alkane: S...	13.170	6.0	ug/L	188725	3	13.554	789335	25.0
Naphthalene, 2,...	13.323	13.4	ug/L	422022	3	13.554	789335	25.0
Naphthalene, 1,...	13.445	25.9	ug/L	817583	3	13.554	789335	25.0
Benzene, 1,3-di...	13.719	3.2	ug/L	100125	3	13.554	789335	25.0
Indane	13.762	10.8	ug/L	340524	3	13.554	789335	25.0
unknown-01	13.951	5.0	ug/L	158027	3	13.554	789335	25.0
Benzene, 1-meth...	14.091	9.3	ug/L	292671	3	13.554	789335	25.0
1-Phenyl-1-butene	14.200	15.8	ug/L	497792	3	13.554	789335	25.0
Naphthalene, 1,...	14.280	8.9	ug/L	282557	3	13.554	789335	25.0
Benzene, 2-ethy...	14.335	3.9	ug/L	123457	3	13.554	789335	25.0
Cyclohexanone, ...	14.383	3.9	ug/L	122260	3	13.554	789335	25.0
o-Cymene	14.457	3.9	ug/L	122114	3	13.554	789335	25.0
Benzene, 1,3-di...	14.505	3.1	ug/L	96860	3	13.554	789335	25.0
1H-Indene, 2,3-...	14.646	3.2	ug/L	99677	3	13.554	789335	25.0
Benzene, 2-ethe...	14.688	8.4	ug/L	266790	3	13.554	789335	25.0
Benzene, 1,2,4,...	14.792	39.1	ug/L	1235920	3	13.554	789335	25.0
unknown-02	15.066	16.5	ug/L	519764	3	13.554	789335	25.0
Benzene, (2-met...	15.164	14.6	ug/L	459626	3	13.554	789335	25.0
unknown-03	15.243	4.0	ug/L	127680	3	13.554	789335	25.0
Benzene, 1-ethy...	15.316	7.5	ug/L	236514	3	13.554	789335	25.0
Benzaldehyde, 4...	15.462	4.8	ug/L	153028	3	13.554	789335	25.0
1H-Indene, 2,3-...	15.645	12.9	ug/L	408654	3	13.554	789335	25.0
1H-Indene, 2,3-...	15.816	3.6	ug/L	115385	3	13.554	789335	25.0
unknown-04	15.944	3.3	ug/L	103528	3	13.554	789335	25.0
Benzene, 1-(1-m...	16.005	3.1	ug/L	98085	3	13.554	789335	25.0
1H-Indene, 2,3-...	16.066	2.8	ug/L	87457	3	13.554	789335	25.0
Benzene, 1,3,5-...	16.163	2.8	ug/L	89811	3	13.554	789335	25.0
3-Methylbenzoth...	16.371	4.0	ug/L	127627	3	13.554	789335	25.0
Naphthalene, 2-...	16.639	11.8	ug/L	371318	3	13.554	789335	25.0