

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
 Data File : VW031512.D
 Acq On : 23 Dec 2024 17:10
 Operator : SY/MD
 Sample : P5322-20
 Misc : 5.82g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 YE643

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Title : SFAM01.0

Signal : TIC: VW031512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.210	41	53	56	rBV4	9149	35298	1.04%	0.072%
2	2.356	68	77	88	rBV	177693	353420	10.44%	0.721%
3	2.515	100	103	112	rVB2	5384	10346	0.31%	0.021%
4	2.899	158	166	180	rBV	116822	316776	9.36%	0.646%
5	3.393	242	247	254	rVV10	2566	6231	0.18%	0.013%
6	4.021	338	350	364	rBV	325034	873252	25.80%	1.781%
7	4.185	368	377	379	rBV	3449	8413	0.25%	0.017%
8	4.923	489	498	506	rVV7	3866	11768	0.35%	0.024%
9	5.941	656	665	674	rBV5	6242	19545	0.58%	0.040%
10	6.917	813	825	835	rBV7	5609	20995	0.62%	0.043%
11	7.100	845	855	861	rBV	55155	182401	5.39%	0.372%
12	7.648	934	945	958	rVV	409516	1012868	29.93%	2.066%
13	8.276	1035	1048	1064	rBV2	841915	2525026	74.60%	5.150%
14	8.837	1129	1140	1155	rBV	1002946	2003874	59.21%	4.087%
15	9.075	1172	1179	1186	rVV10	4931	12965	0.38%	0.026%
16	9.270	1199	1211	1221	rBV	553449	1150523	33.99%	2.346%
17	9.410	1231	1234	1239	rVB	7810	12093	0.36%	0.025%
18	9.758	1286	1291	1298	rVB7	3403	7498	0.22%	0.015%
19	9.892	1304	1313	1318	rBV3	7676	15968	0.47%	0.033%
20	9.959	1318	1324	1328	rBV7	2559	5206	0.15%	0.011%
21	10.032	1329	1336	1351	rBV	310648	557034	16.46%	1.136%
22	10.215	1359	1366	1368	rBV2	6905	12754	0.38%	0.026%
23	10.318	1375	1383	1391	rBV	1161463	2084047	61.58%	4.250%
24	10.386	1391	1394	1401	rVB	27682	47120	1.39%	0.096%
25	10.501	1407	1413	1419	rVB3	8289	14284	0.42%	0.029%
26	10.575	1419	1425	1436	rBV	180449	323681	9.56%	0.660%
27	10.703	1436	1446	1452	rVB	51468	101869	3.01%	0.208%
28	10.849	1462	1470	1475	rVB10	4184	9273	0.27%	0.019%
29	10.922	1475	1482	1497	rBV	261009	475538	14.05%	0.970%
30	11.062	1500	1505	1516	rVV2	30215	71764	2.12%	0.146%
31	11.172	1519	1523	1527	rVV	13844	21839	0.65%	0.045%
32	11.227	1527	1532	1538	rVB	28509	51439	1.52%	0.105%
33	11.330	1544	1549	1555	rVV3	15567	28932	0.85%	0.059%
34	11.434	1556	1566	1573	rVV3	56646	130936	3.87%	0.267%
35	11.507	1574	1578	1583	rVB2	16663	24443	0.72%	0.050%
36	11.629	1590	1598	1607	rBV	1379590	2363755	69.84%	4.821%

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 Title : SFAM01.0

37	11.727	1607	1614	1623	rBV	267404	457793	13.53%	0.934%
38	11.836	1623	1632	1641	rBV	741253	1467113	43.35%	2.992%
39	11.910	1641	1644	1649	rVB3	34719	58134	1.72%	0.119%
40	11.971	1649	1654	1661	rBV2	31063	58638	1.73%	0.120%
41	12.056	1661	1668	1673	rVB4	15090	34364	1.02%	0.070%
42	12.160	1673	1685	1692	rBV	489775	1019761	30.13%	2.080%
43	12.245	1692	1699	1704	rVB	97209	164489	4.86%	0.335%
44	12.300	1704	1708	1709	rBV3	32034	46318	1.37%	0.094%
45	12.336	1709	1714	1725	rBV4	174914	565100	16.70%	1.152%
46	12.458	1729	1734	1738	rBV5	69872	138585	4.09%	0.283%
47	12.501	1738	1741	1744	rBV3	23151	26108	0.77%	0.053%
48	12.538	1744	1747	1749	rBV2	33618	38876	1.15%	0.079%
49	12.562	1749	1751	1754	rVB	70316	71474	2.11%	0.146%
50	12.605	1754	1758	1762	rVB2	89980	139861	4.13%	0.285%
51	12.647	1762	1765	1767	rBV	36849	41562	1.23%	0.085%
52	12.690	1767	1772	1778	rBV	461006	764025	22.57%	1.558%
53	12.775	1781	1786	1793	rVB3	336555	710462	20.99%	1.449%
54	12.861	1793	1800	1803	rBV4	466788	839718	24.81%	1.713%
55	12.928	1803	1811	1819	rVB3	957194	2136836	63.13%	4.358%
56	13.031	1824	1828	1831	rBV3	63953	93860	2.77%	0.191%
57	13.098	1831	1839	1845	rBV3	278665	600104	17.73%	1.224%
58	13.159	1845	1849	1857	rVB3	296136	573326	16.94%	1.169%
59	13.245	1857	1863	1873	rBV	1993414	3384566	100.00%	6.903%
60	13.373	1881	1884	1888	rBV2	120211	183008	5.41%	0.373%
61	13.440	1889	1895	1899	rBV3	511680	896982	26.50%	1.829%
62	13.489	1899	1903	1908	rVB	316874	541561	16.00%	1.104%
63	13.556	1908	1914	1916	rBV	1406436	2373559	70.13%	4.841%
64	13.696	1930	1937	1941	rBV4	177367	482494	14.26%	0.984%
65	13.745	1941	1945	1949	rVV2	448557	820002	24.23%	1.672%
66	13.787	1949	1952	1955	rVV2	261780	427675	12.64%	0.872%
67	13.854	1957	1963	1971	rVB4	1219514	3028876	89.49%	6.177%
68	13.940	1974	1977	1981	rBV	116784	158981	4.70%	0.324%
69	14.001	1983	1987	1990	rBV	208372	308604	9.12%	0.629%
70	14.031	1990	1992	1997	rVB	202628	253850	7.50%	0.518%
71	14.092	1997	2002	2007	rVB	405455	669277	19.77%	1.365%
72	14.153	2008	2012	2015	rBV	123270	172221	5.09%	0.351%
73	14.202	2015	2020	2025	rVB2	556661	960269	28.37%	1.958%
74	14.263	2025	2030	2035	rVB6	101123	223285	6.60%	0.455%
75	14.330	2035	2041	2045	rBV3	247165	460540	13.61%	0.939%
76	14.379	2045	2049	2051	rBV3	209372	290294	8.58%	0.592%

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 Title : SFAM01.0

77	14.421	2051	2056	2058	rBV2	334833	610033	18.02%	1.244%
78	14.495	2065	2068	2071	rVB2	116638	143970	4.25%	0.294%
79	14.537	2071	2075	2081	rVB3	217365	383567	11.33%	0.782%
80	14.598	2082	2085	2086	rBV3	35977	42838	1.27%	0.087%
81	14.635	2087	2091	2095	rVB	199412	281915	8.33%	0.575%
82	14.684	2095	2099	2103	rBV4	178567	347121	10.26%	0.708%
83	14.787	2110	2116	2122	rBV2	684766	1593329	47.08%	3.249%
84	14.848	2122	2126	2138	rVB	611975	1001654	29.59%	2.043%
85	14.952	2138	2143	2148	rBV	171554	274771	8.12%	0.560%
86	15.019	2150	2154	2155	rBV4	43609	55887	1.65%	0.114%
87	15.062	2156	2161	2165	rBV3	247856	473547	13.99%	0.966%
88	15.165	2174	2178	2184	rVB3	171870	360183	10.64%	0.735%
89	15.354	2204	2209	2216	rVB	1014064	1748893	51.67%	3.567%
90	15.427	2217	2221	2222	rBV3	31807	40093	1.18%	0.082%
91	15.458	2223	2226	2231	rVB4	53379	81858	2.42%	0.167%
92	15.641	2250	2256	2264	rVB6	33528	86888	2.57%	0.177%
93	15.720	2265	2269	2274	rBV7	27002	55558	1.64%	0.113%
94	15.805	2279	2283	2288	rVB4	23958	49213	1.45%	0.100%
95	15.939	2301	2305	2309	rVB5	29466	49400	1.46%	0.101%
96	16.013	2311	2317	2322	rBV8	17800	49732	1.47%	0.101%
97	16.153	2335	2340	2346	rBV6	28970	62609	1.85%	0.128%
98	16.427	2379	2385	2402	rVB	129165	368413	10.89%	0.751%
99	16.628	2411	2418	2428	rVB2	96252	249734	7.38%	0.509%
100	16.732	2431	2435	2444	rVB4	15516	36346	1.07%	0.074%

Sum of corrected areas: 49033277

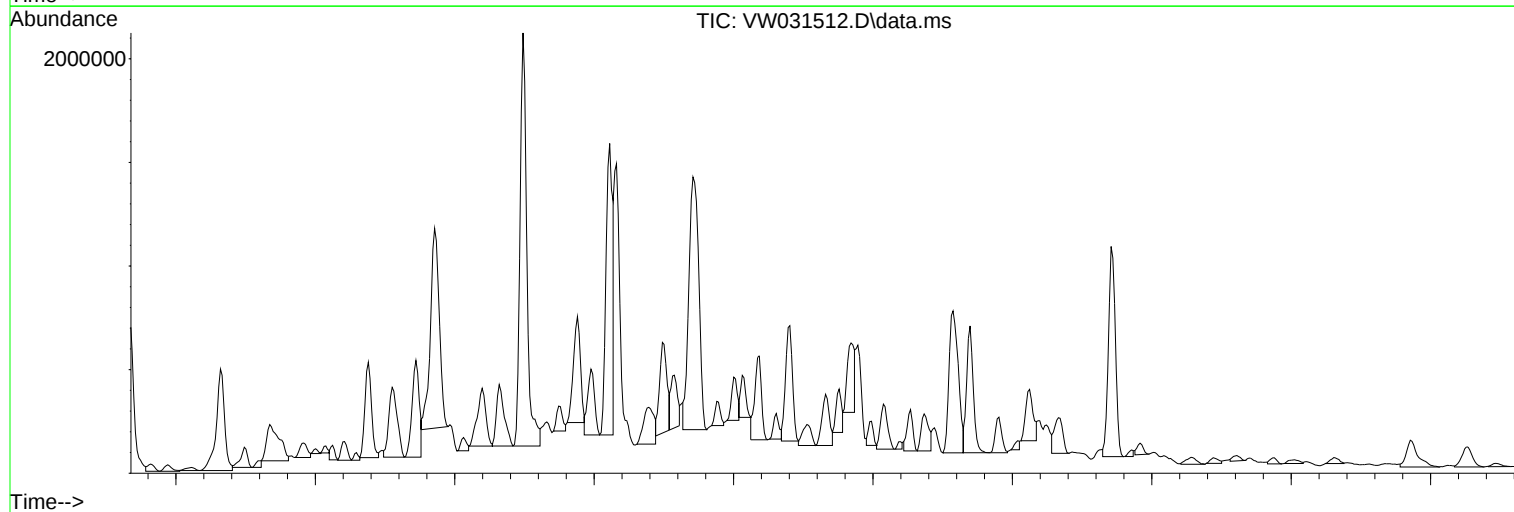
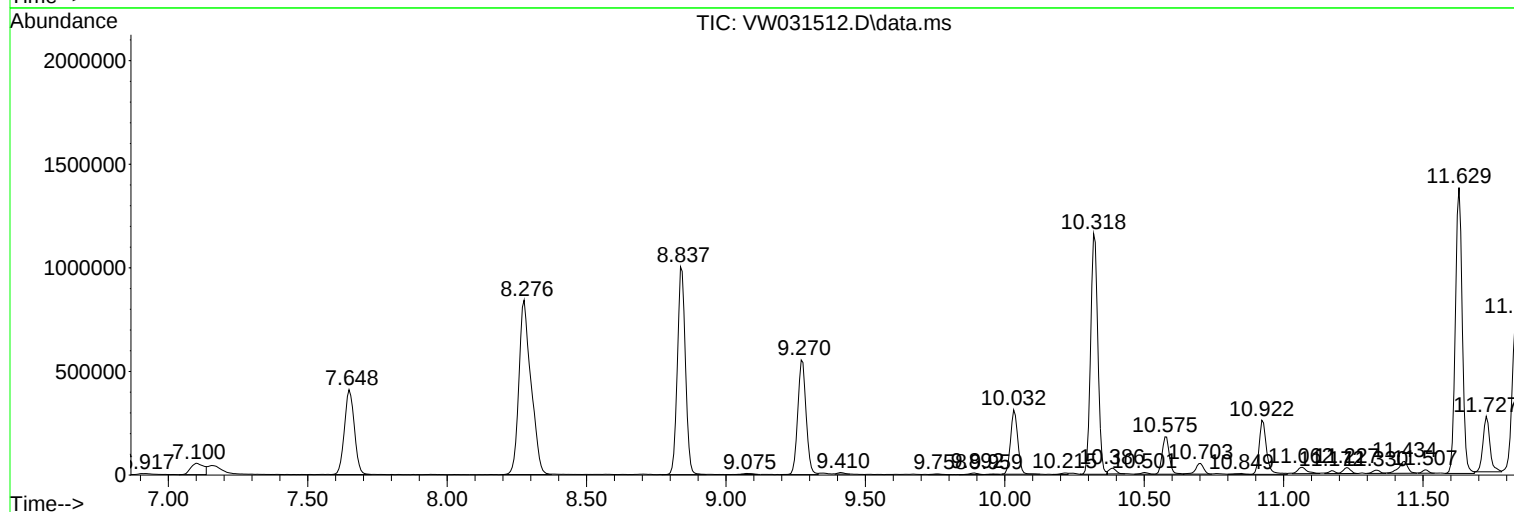
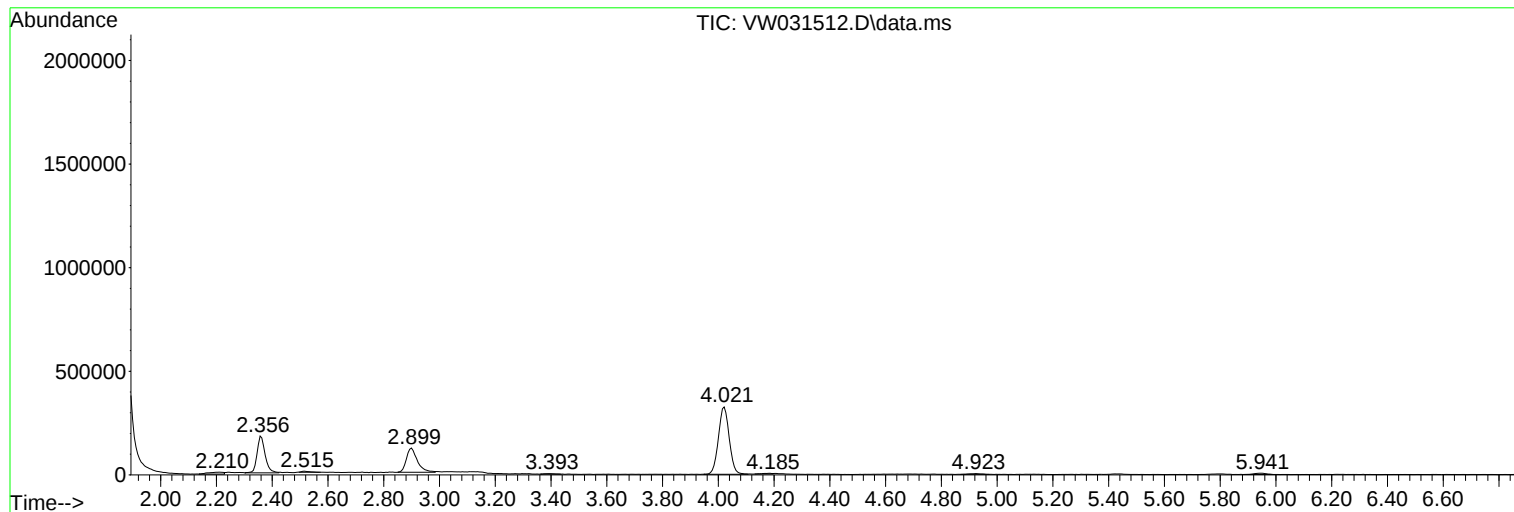
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



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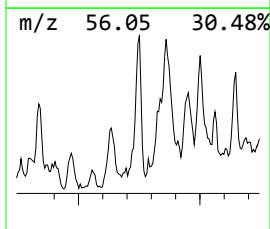
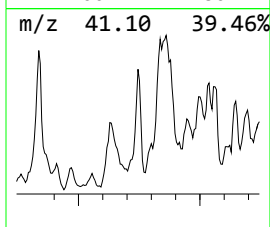
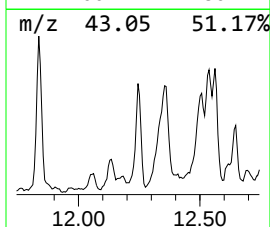
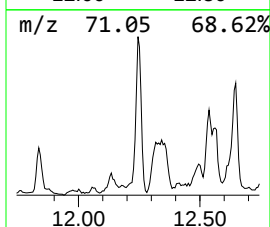
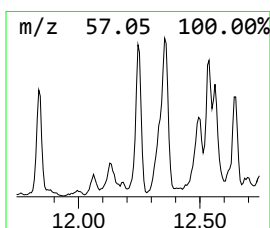
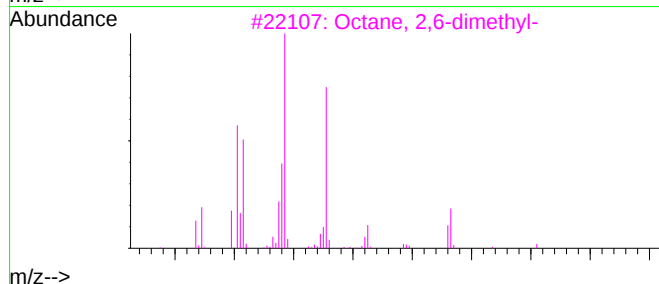
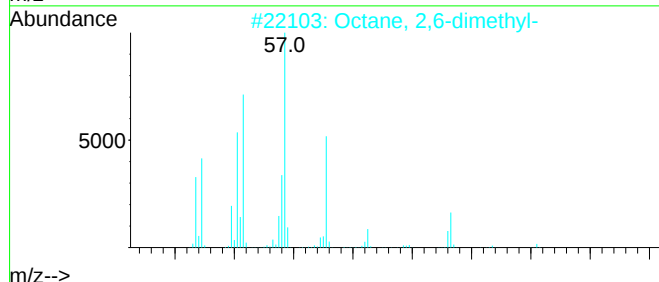
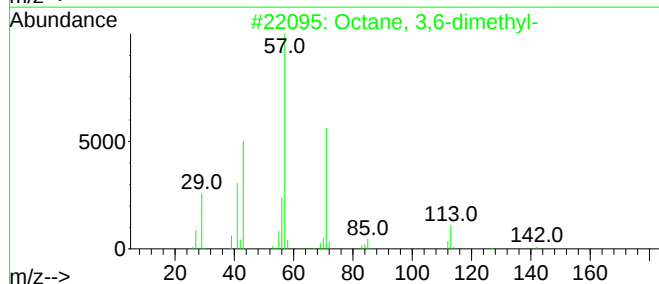
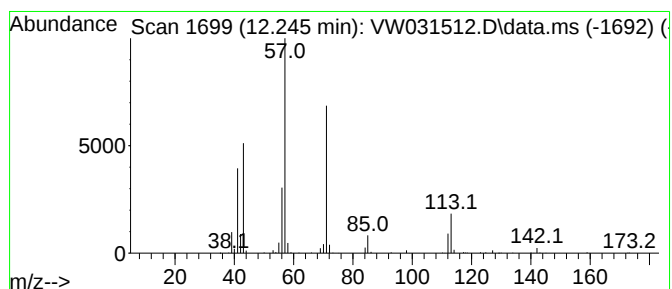
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.245	1.74 ug/L	164489	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	91
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	91
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	91
4	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	78



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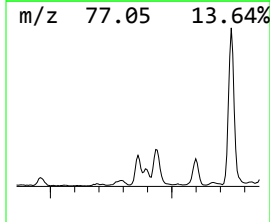
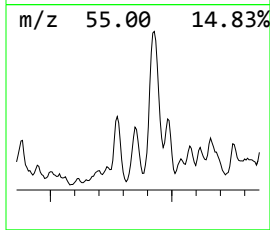
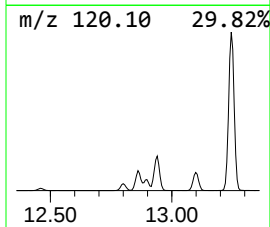
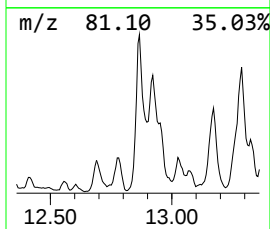
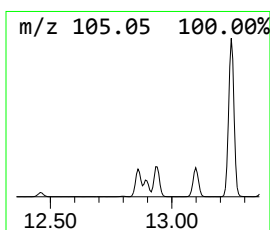
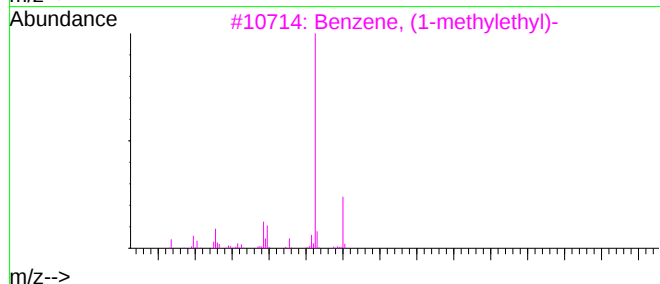
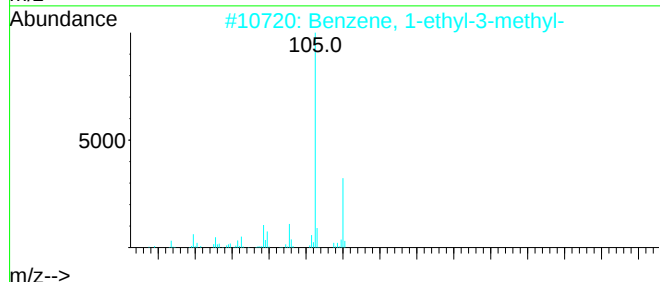
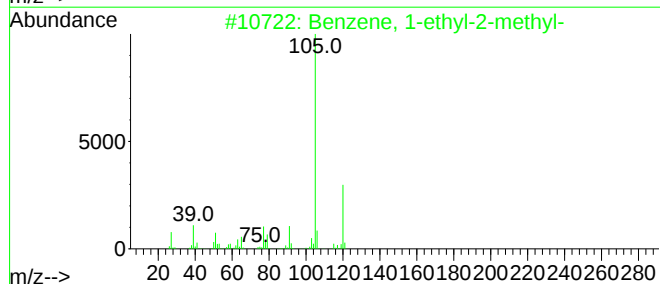
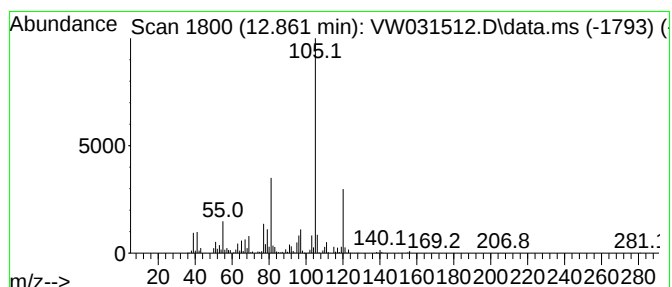
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	8.84 ug/L	839718	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	70
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	70
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70



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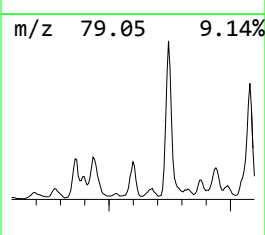
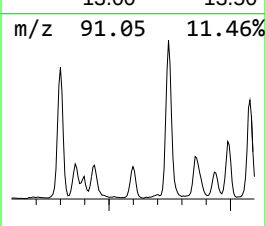
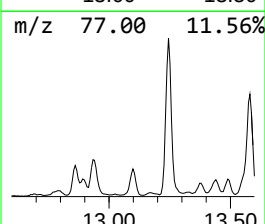
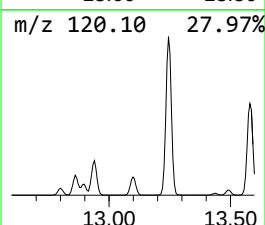
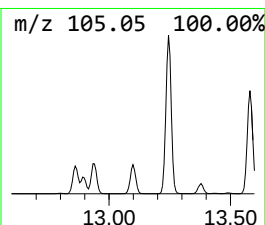
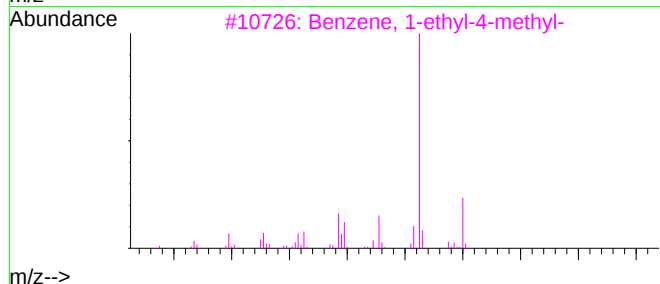
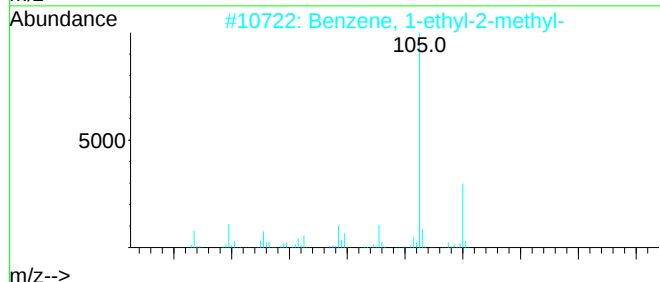
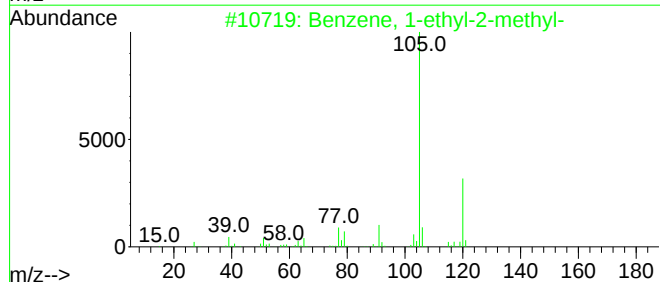
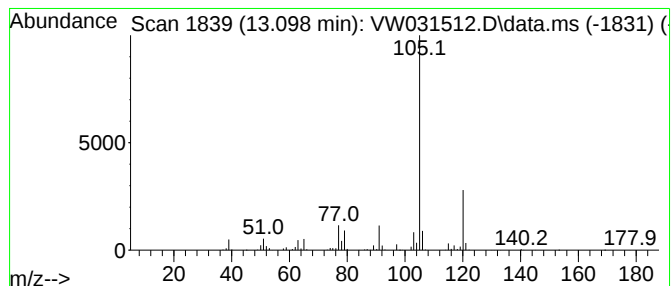
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.098	6.32 ug/L	600104	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-		120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-		120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-		120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-		120	C9H12	000620-14-4	91
5	Mesitylene		120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

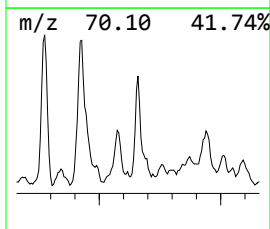
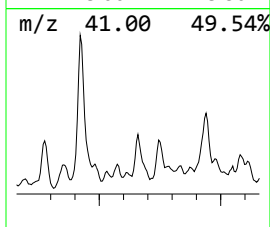
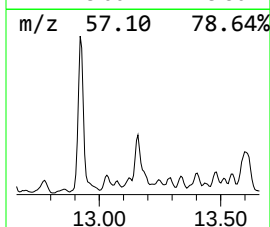
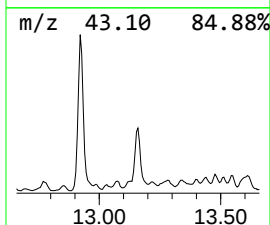
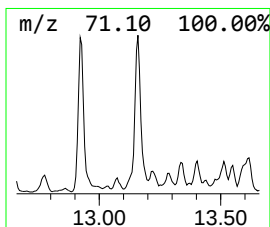
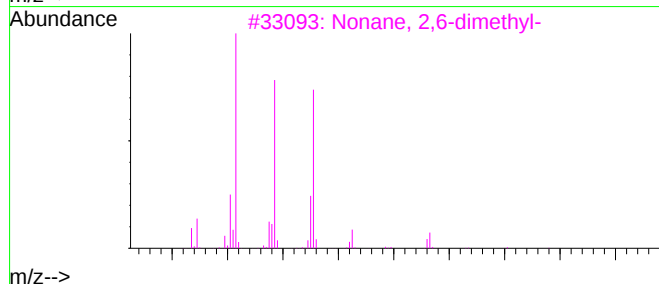
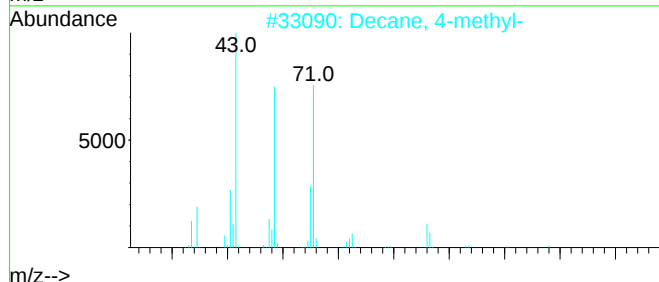
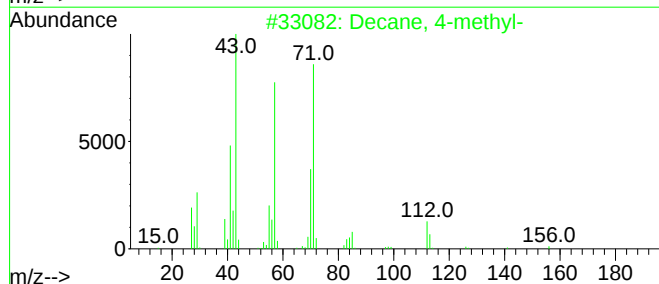
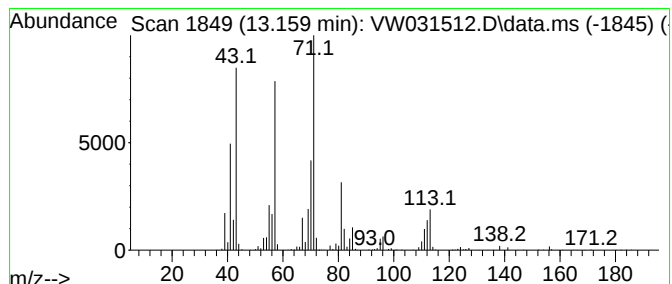
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.159	6.04 ug/L	573326	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	87
2	Decane, 4-methyl-		156	C11H24	002847-72-5	87
3	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	83
4	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	78
5	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

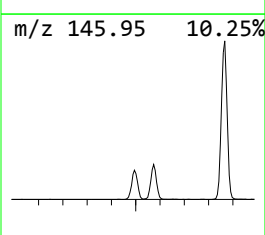
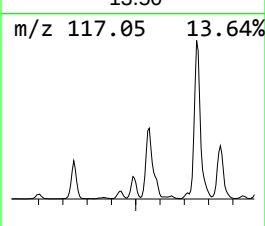
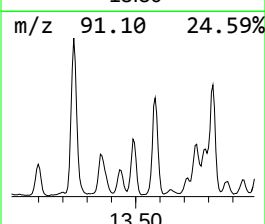
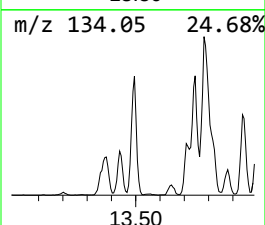
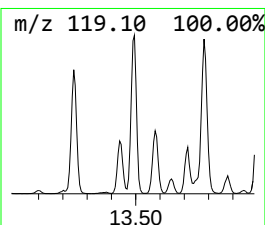
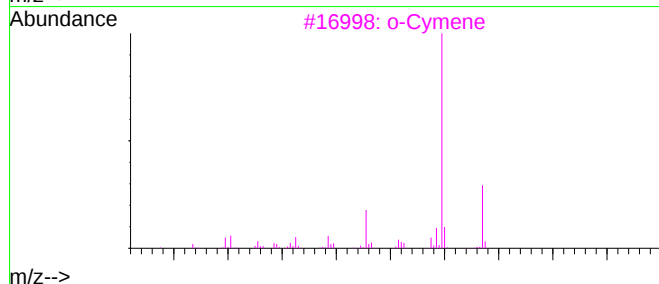
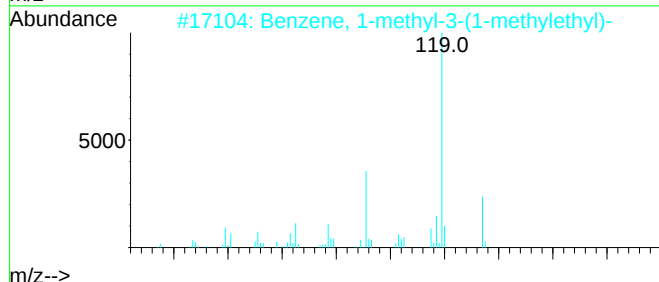
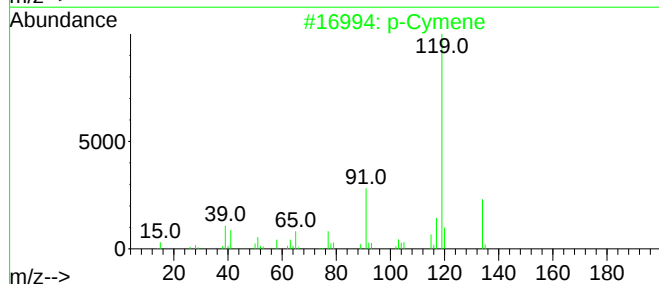
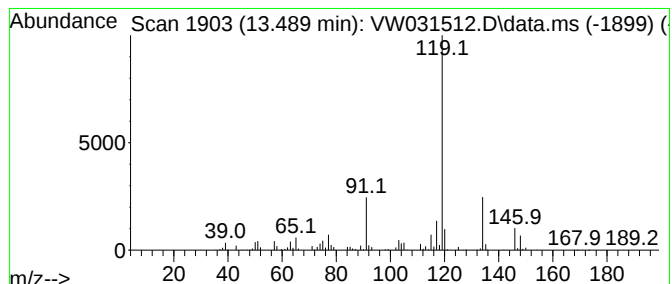
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 13 p-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.489	5.70 ug/L	541561	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

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Quant Title : SFAM01.0

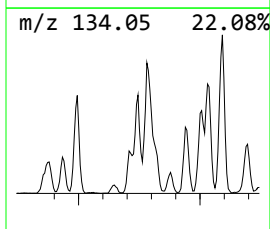
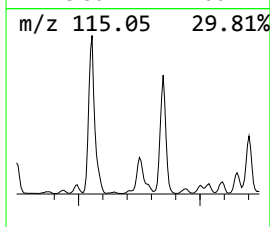
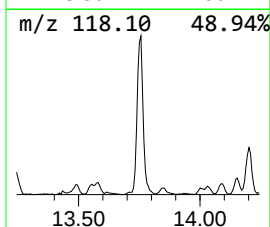
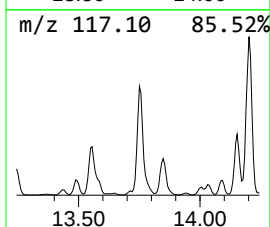
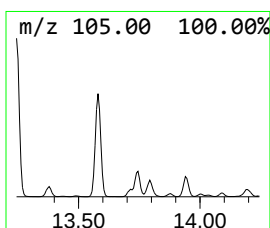
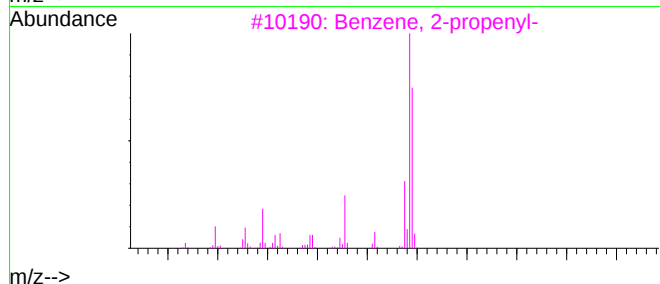
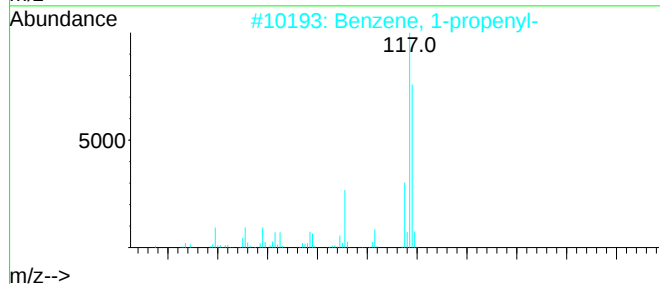
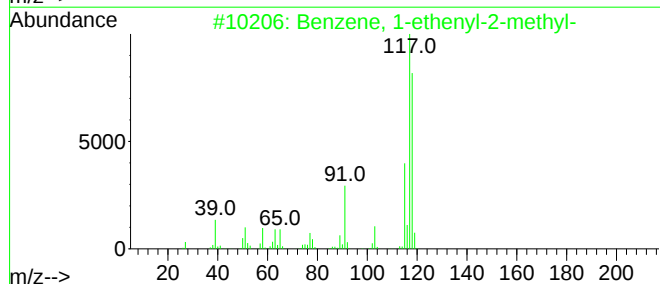
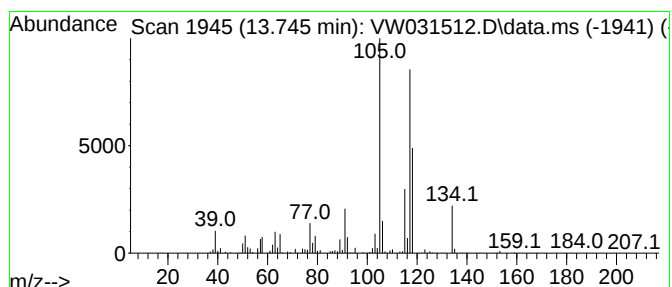
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TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 1-ethenyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	8.64 ug/L	820002	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

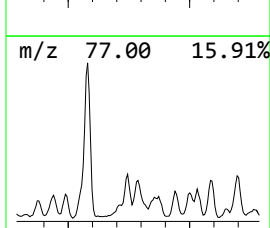
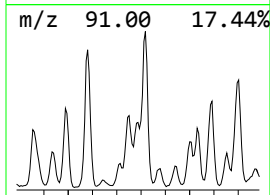
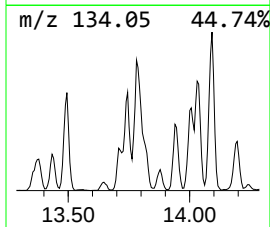
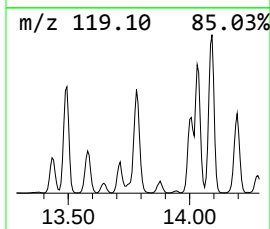
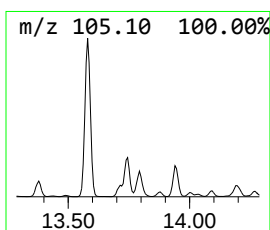
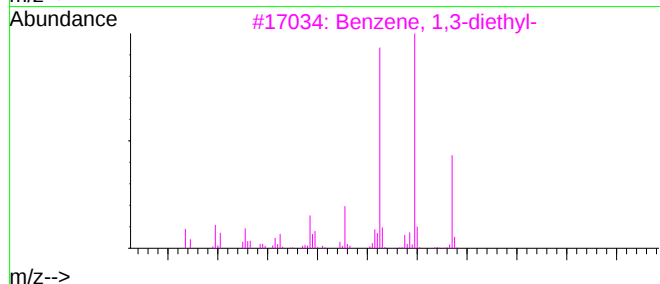
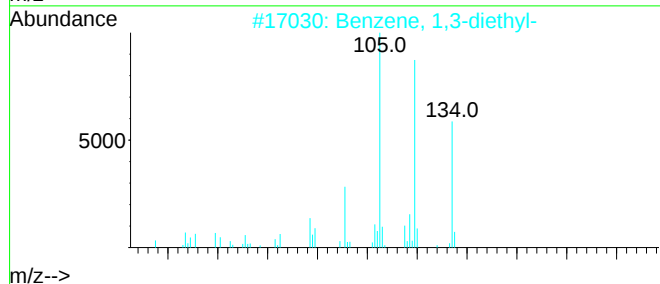
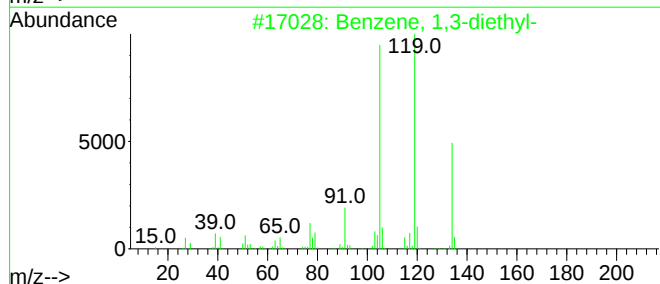
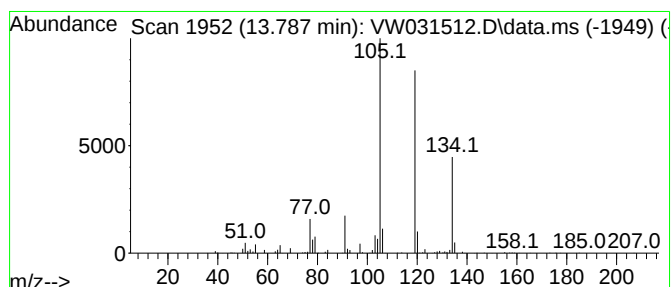
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzene, 1,3-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.787	4.50 ug/L	427675	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-		134	C10H14	000141-93-5	90
2	Benzene, 1,3-diethyl-		134	C10H14	000141-93-5	90
3	Benzene, 1,3-diethyl-		134	C10H14	000141-93-5	90
4	Benzene, 1,3-diethyl-		134	C10H14	000141-93-5	90
5	Benzene, 1,2-diethyl-		134	C10H14	000135-01-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

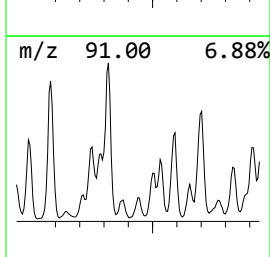
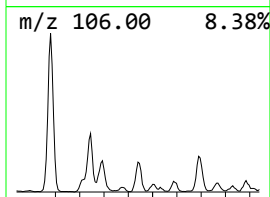
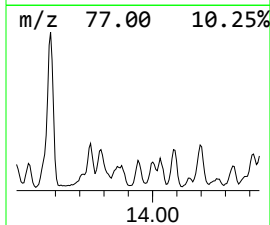
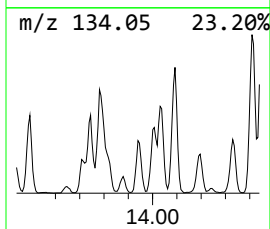
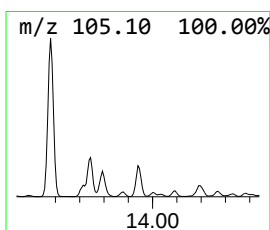
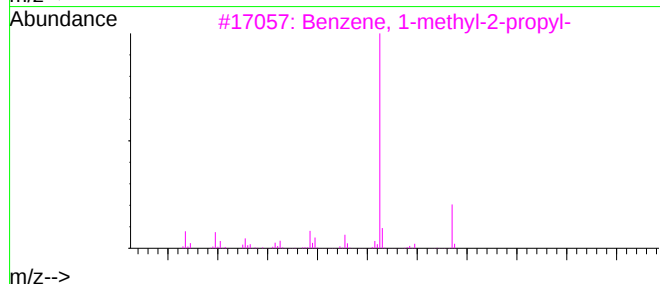
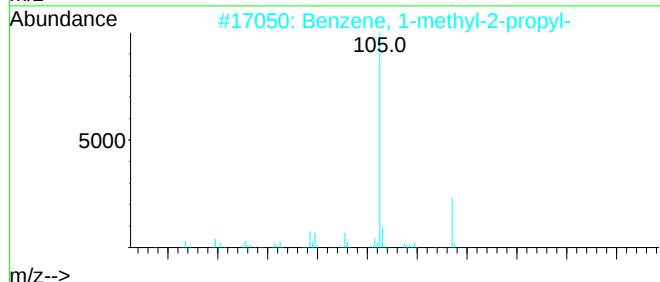
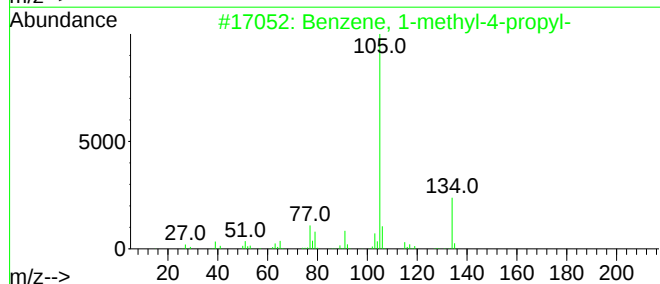
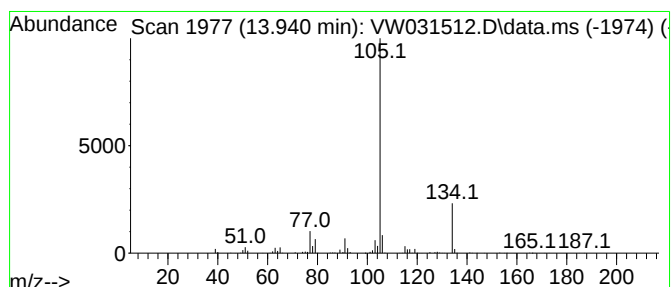
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.940	1.67 ug/L	158981	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

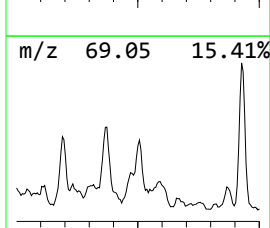
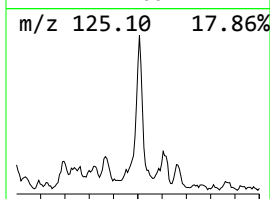
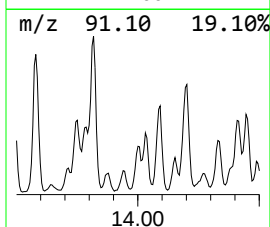
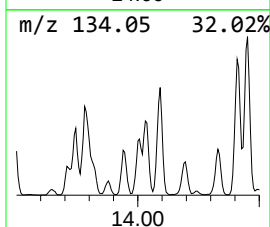
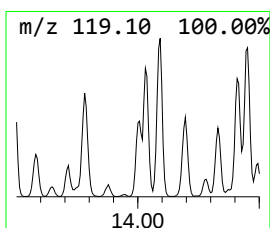
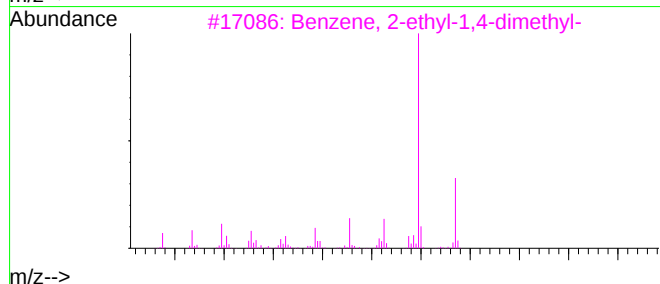
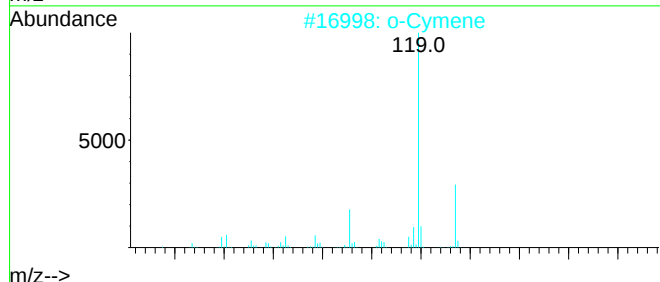
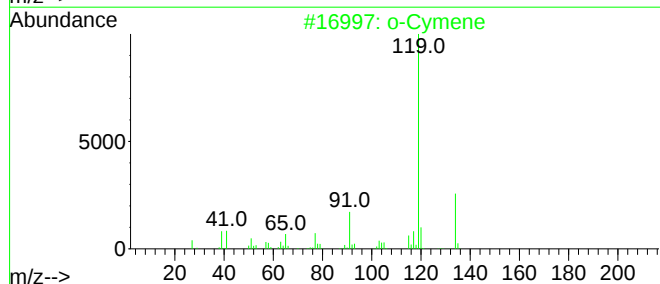
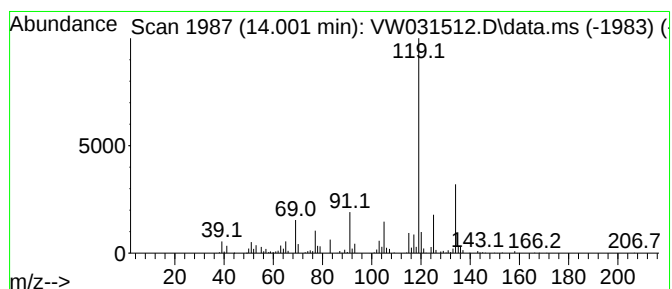
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TIC Integration Parameters: LSCINT.P

Peak Number 18 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.001	3.25 ug/L	308604	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

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Quant Title : SFAM01.0

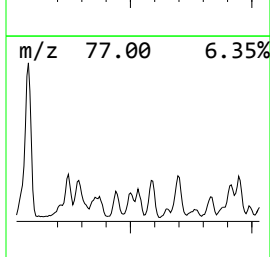
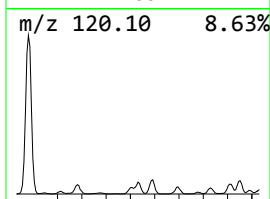
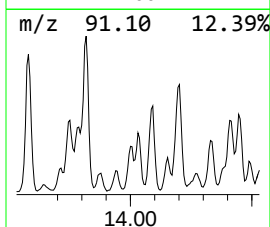
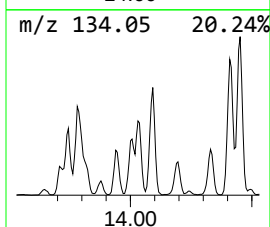
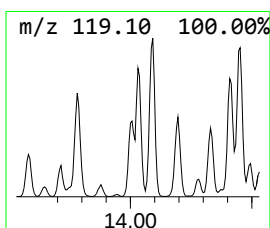
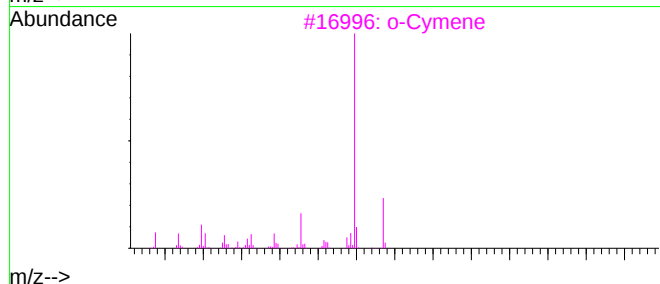
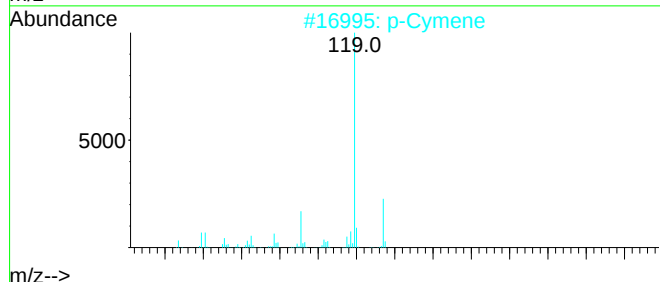
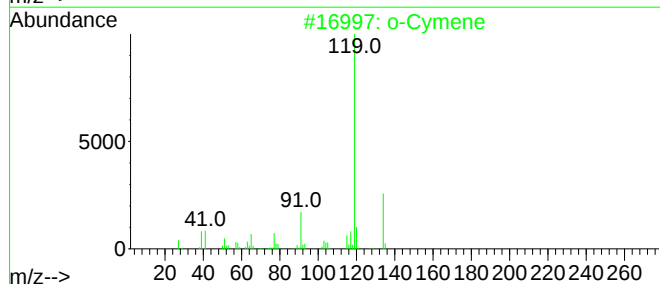
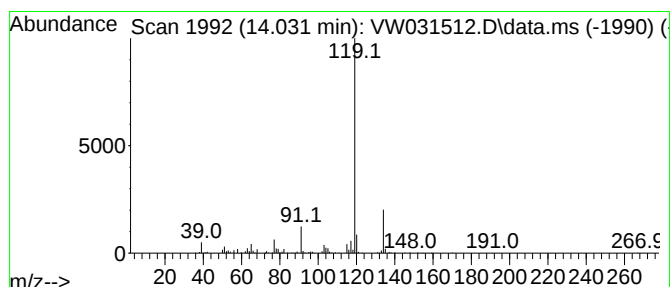
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.031	2.67 ug/L	253850	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

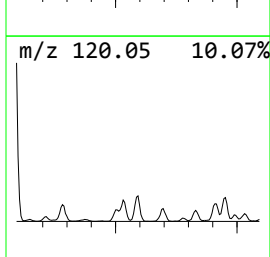
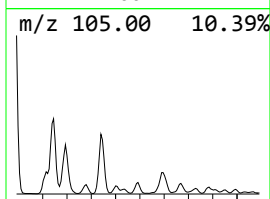
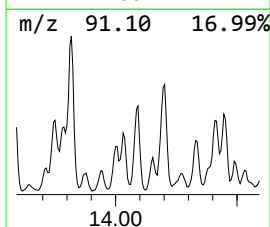
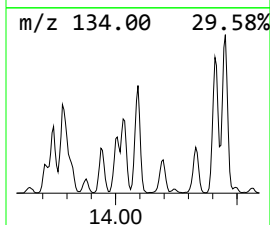
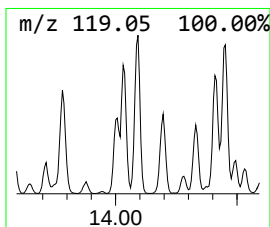
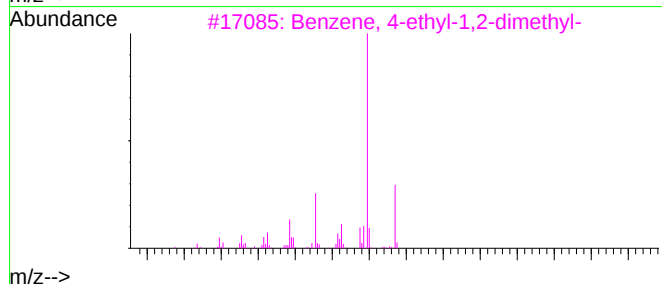
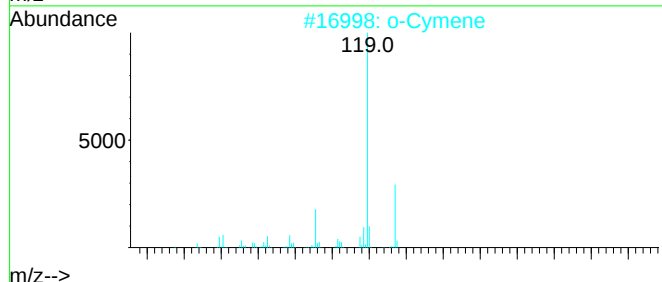
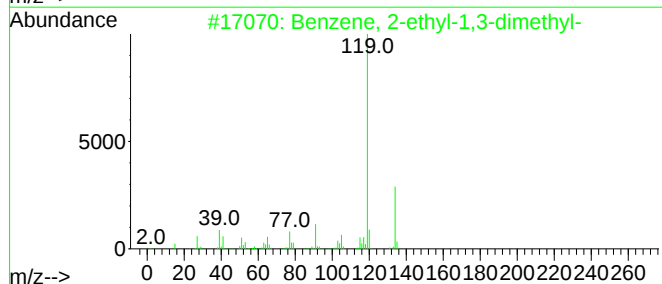
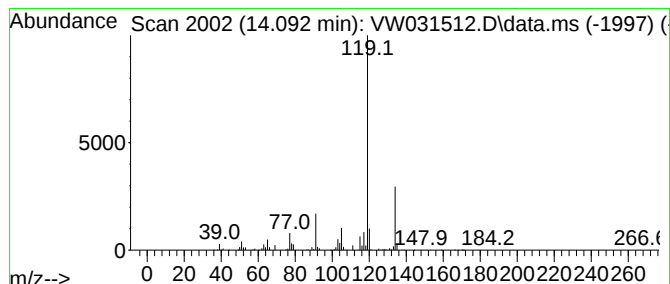
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.092	7.05 ug/L	669277	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-		134	C10H14	002870-04-4	95
2	o-Cymene		134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,4-dimethyl-		134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

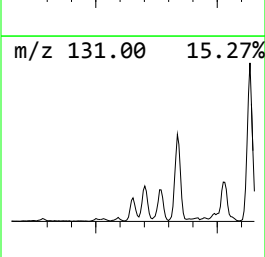
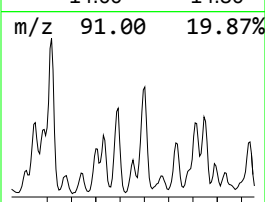
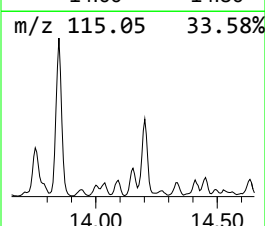
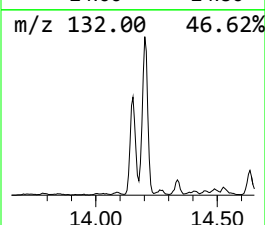
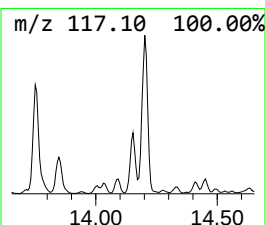
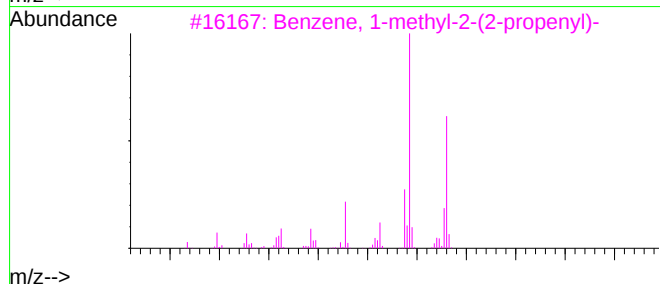
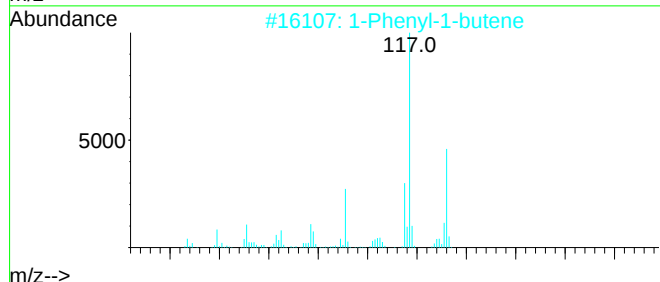
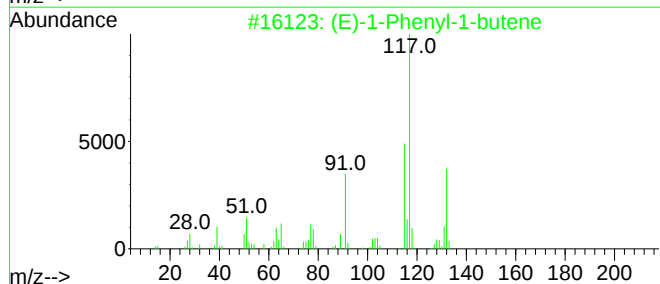
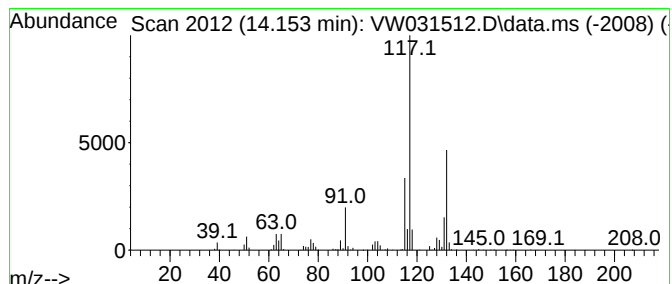
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 21 (E)-1-Phenyl-1-butene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.153	1.81 ug/L	172221	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

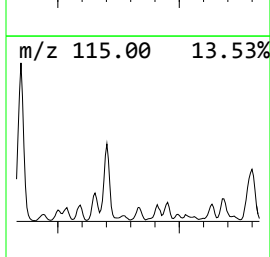
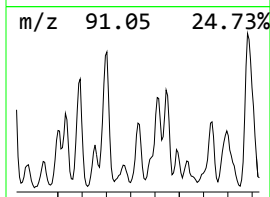
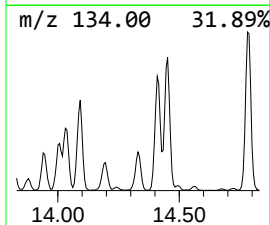
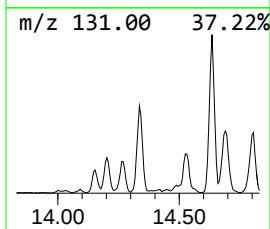
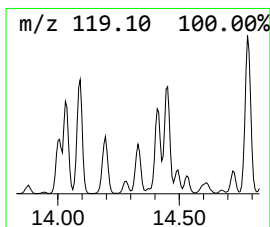
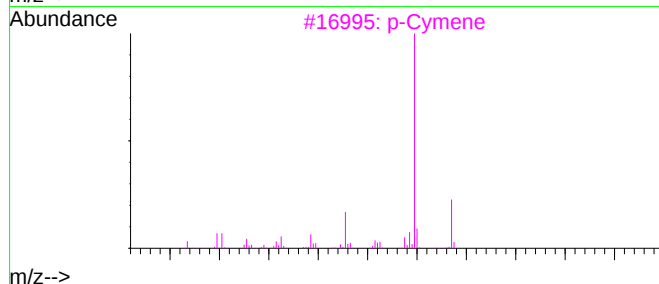
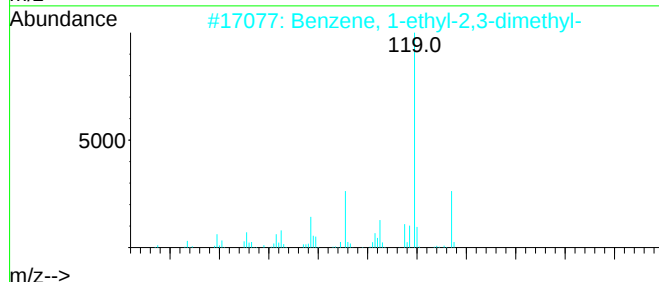
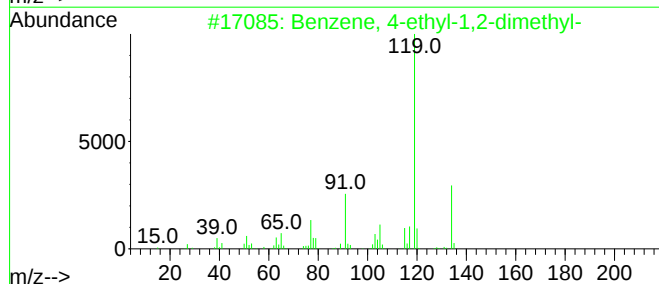
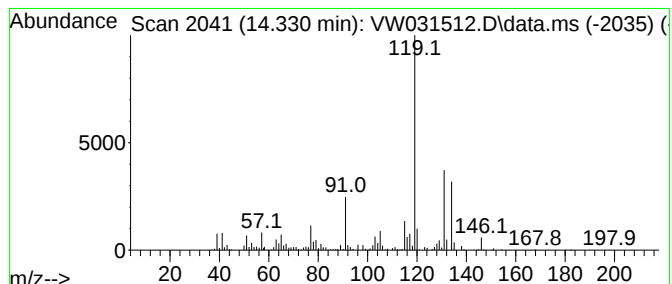
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 24 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.330	4.85 ug/L	460540	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	93
3	p-Cymene		134	C10H14	000099-87-6	93
4	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	76
5	Benzene, 1-ethyl-3,5-dimethyl-		134	C10H14	000934-74-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

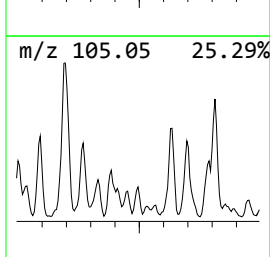
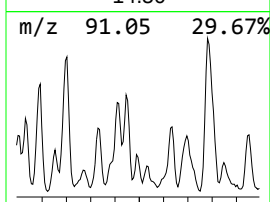
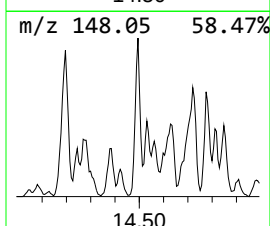
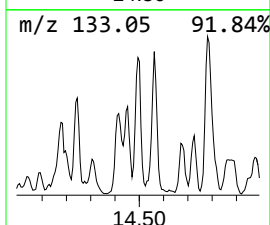
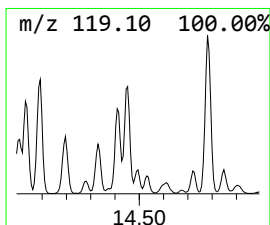
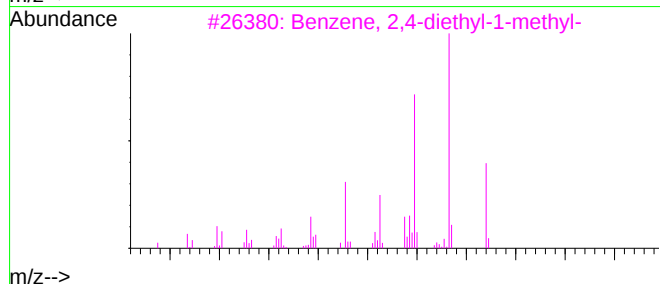
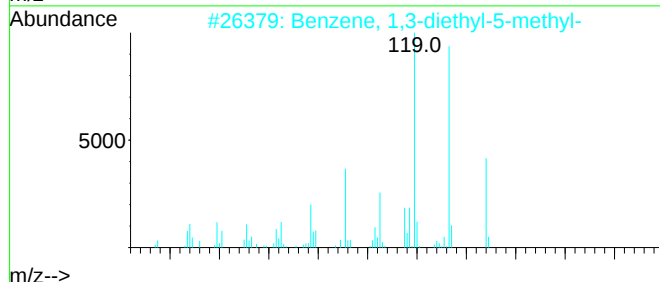
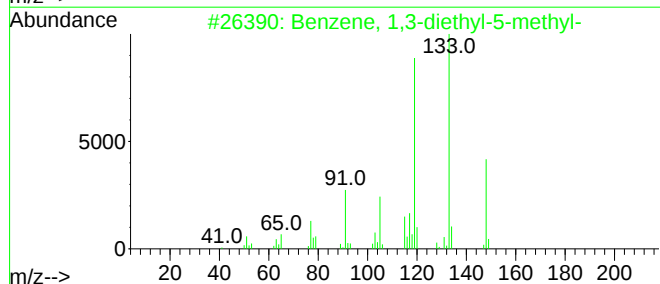
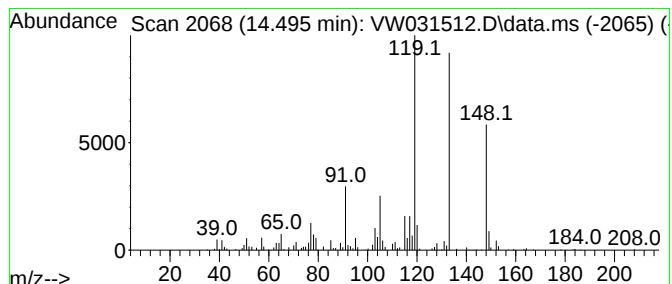
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 27 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.495	1.52 ug/L	143970	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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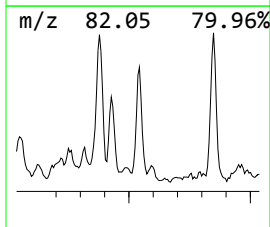
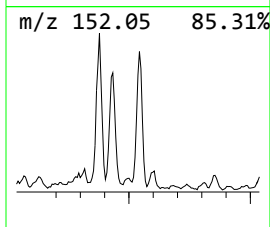
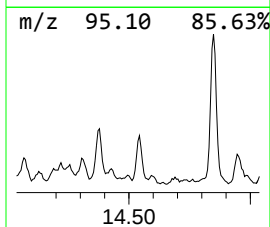
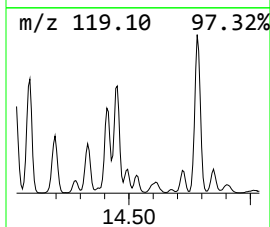
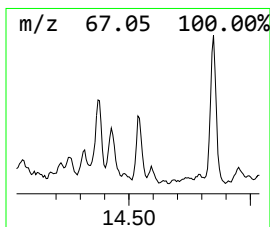
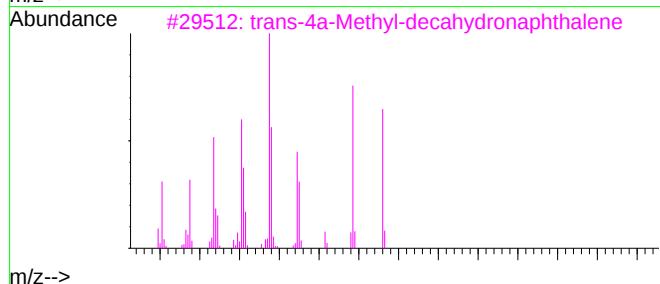
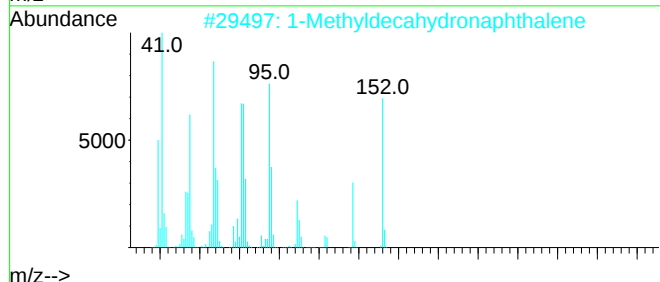
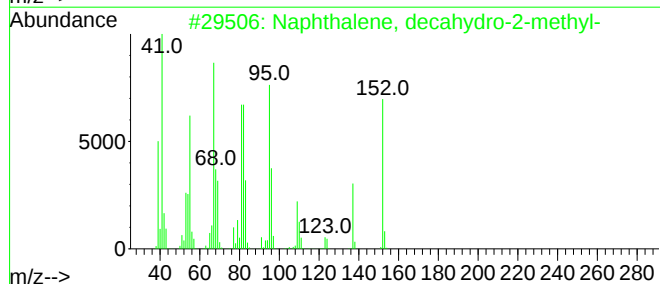
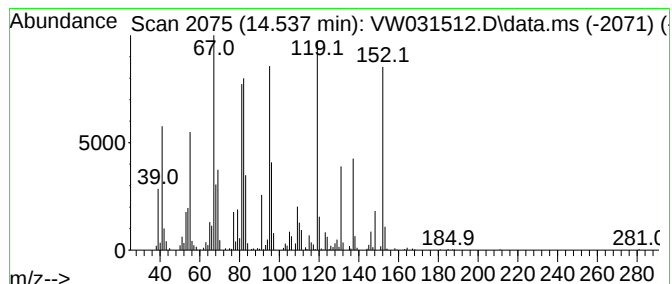
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 28 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.537	4.04 ug/L	383567	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	90
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	55
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	55
5	Camphor	152	C10H16O	000076-22-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

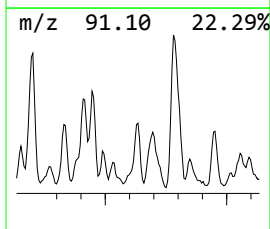
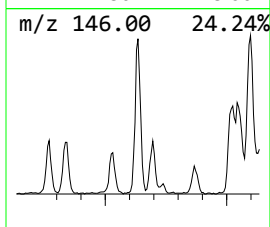
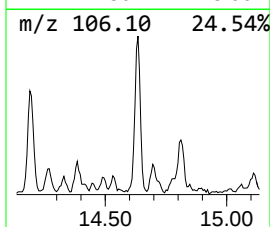
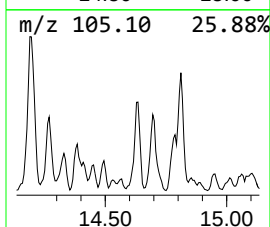
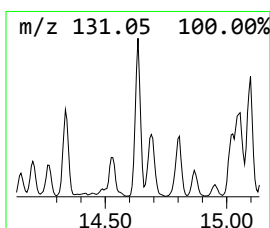
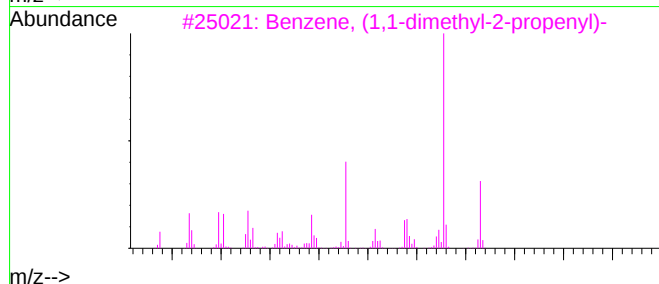
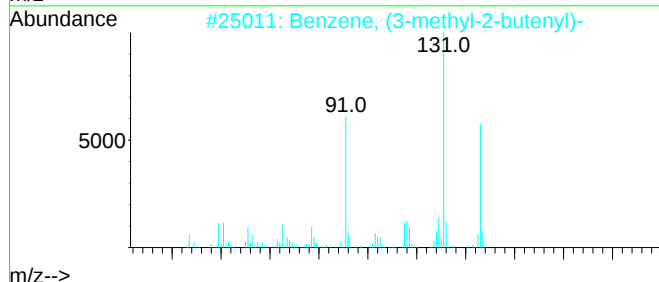
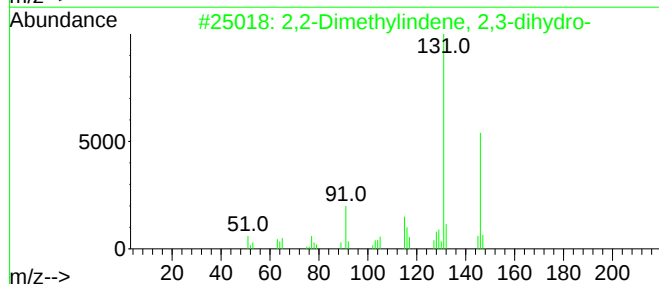
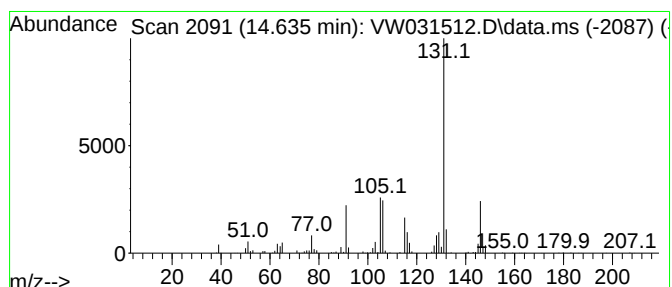
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 29 2,2-Dimethylindene, 2,3-dih... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.635	2.97 ug/L	281915	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	76
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

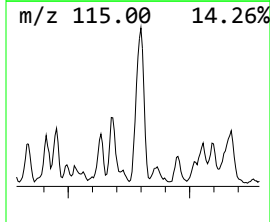
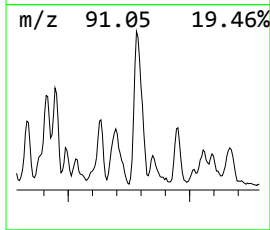
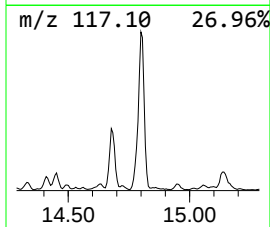
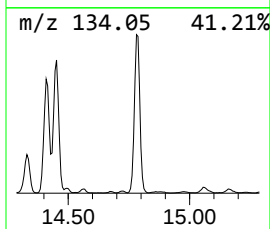
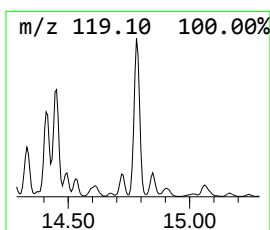
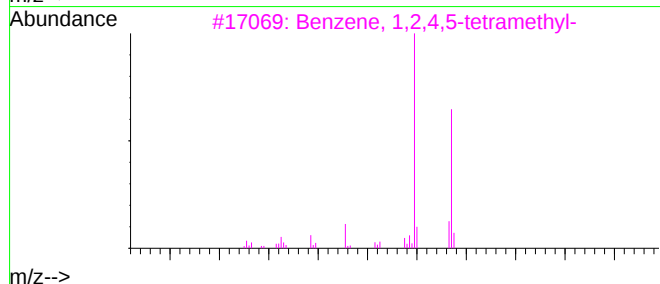
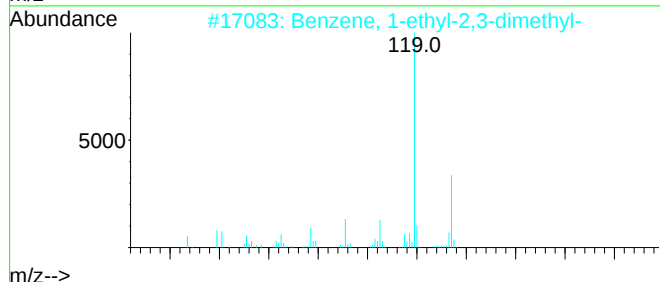
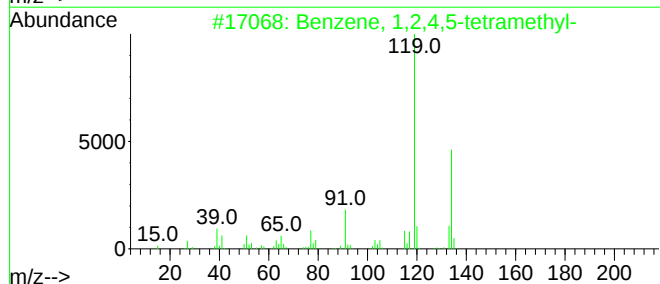
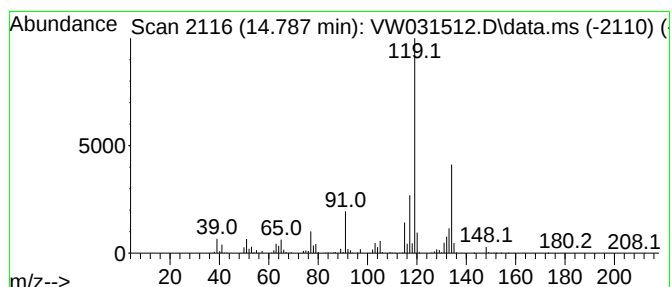
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	16.78 ug/L	1593330	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

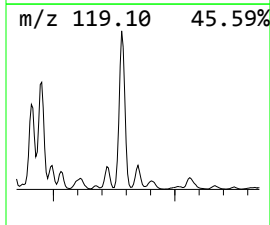
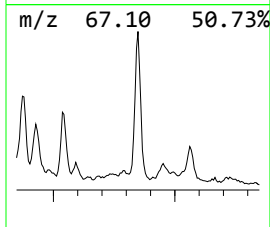
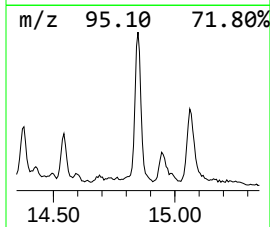
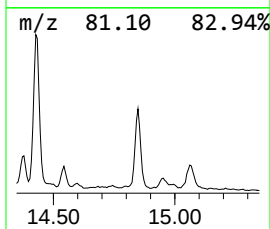
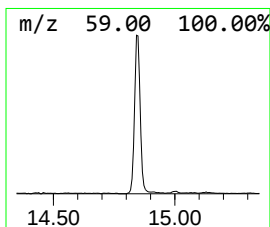
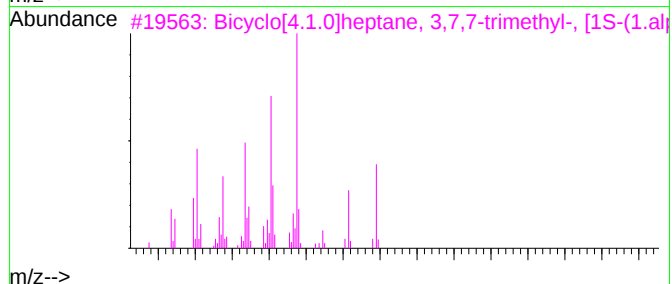
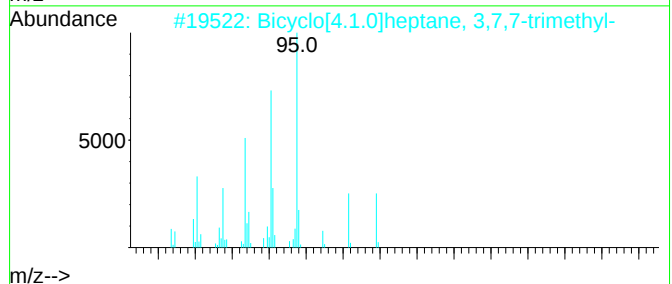
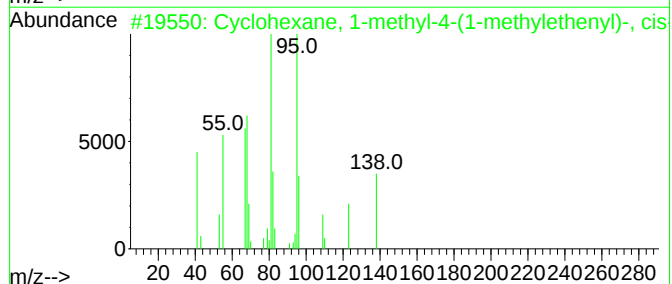
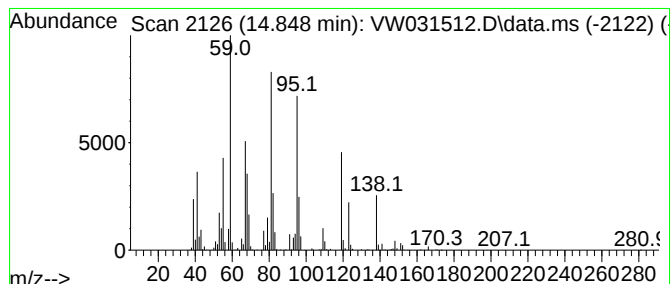
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 32 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.848	10.55 ug/L	1001650	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	92
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	91
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	64
4	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	55
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

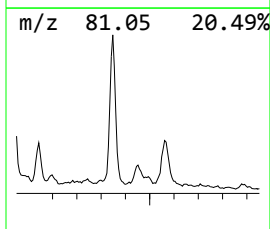
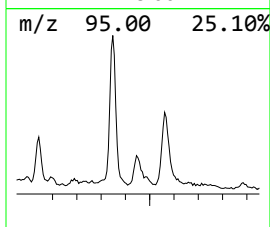
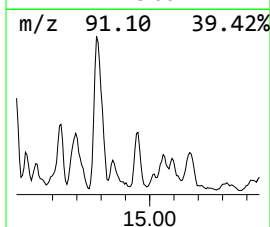
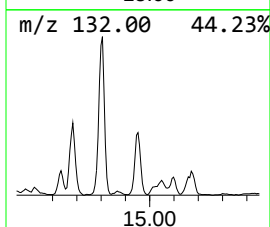
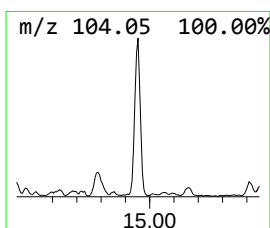
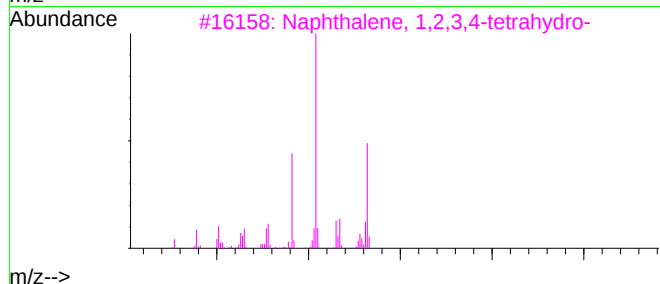
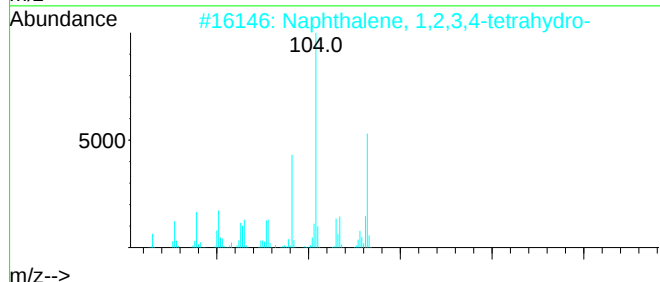
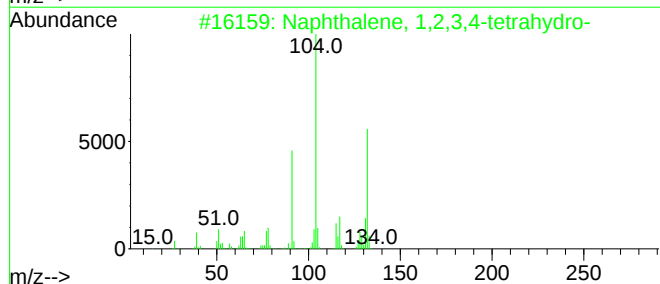
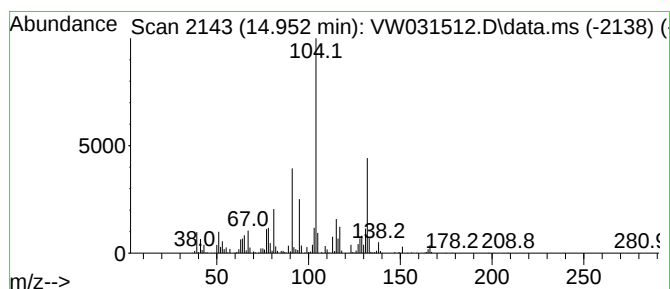
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 33 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	2.89 ug/L	274771	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

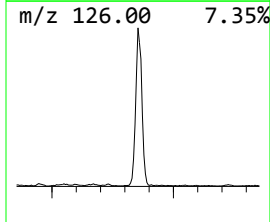
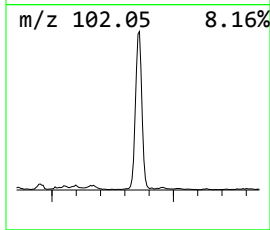
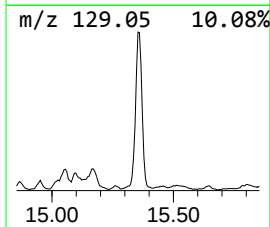
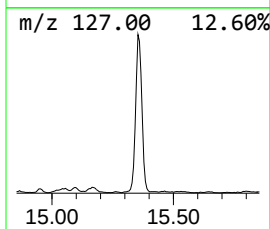
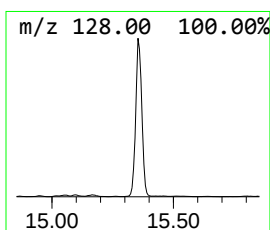
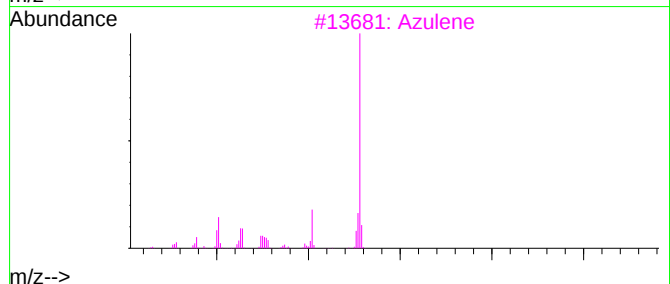
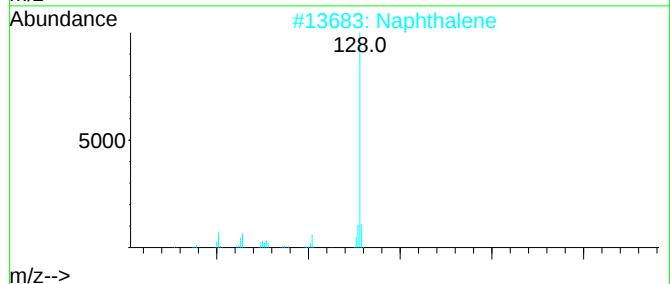
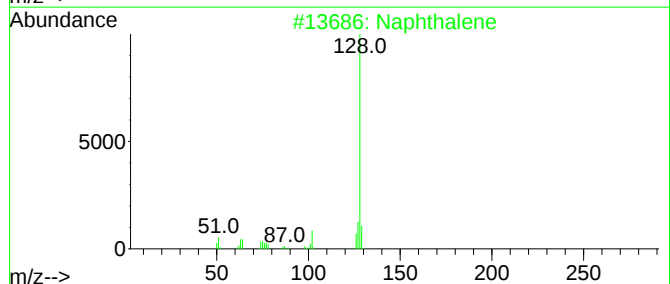
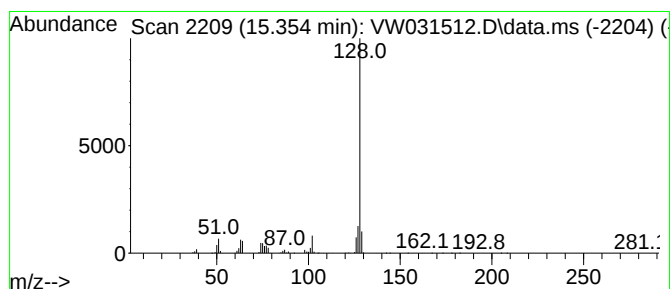
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 36 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.354	18.42 ug/L	1748890	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	93
3	Azulene	128	C10H8	000275-51-4	91
4	Naphthalene	128	C10H8	000091-20-3	91
5	Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

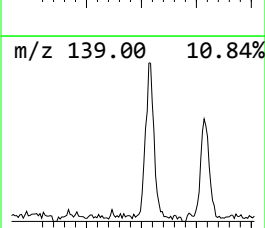
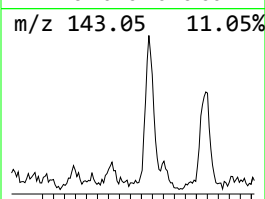
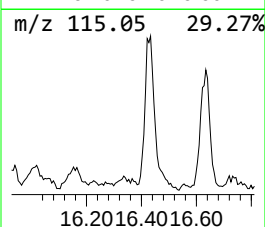
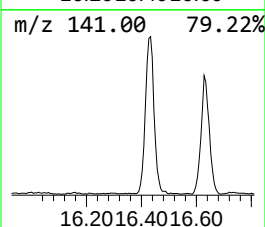
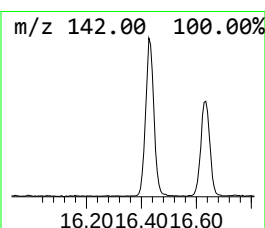
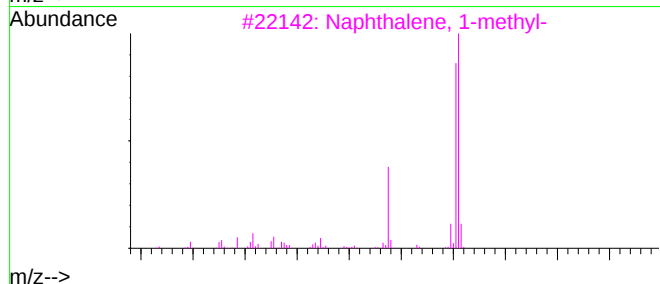
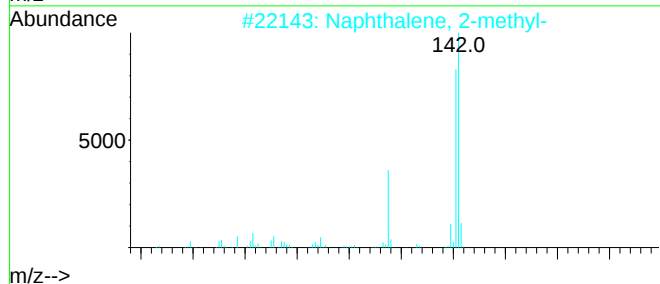
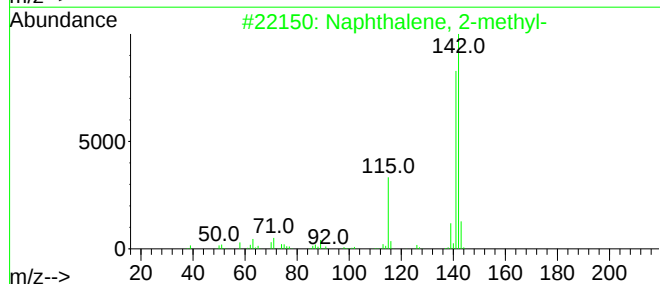
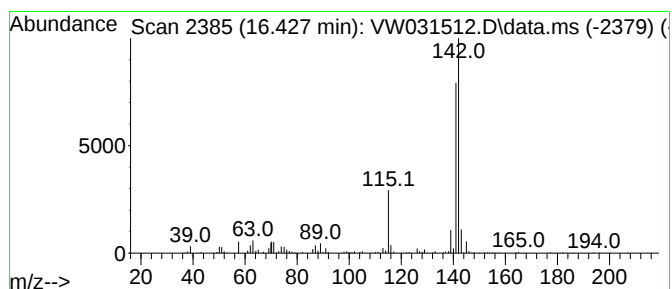
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 37 Naphthalene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.427	3.88 ug/L	368413	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

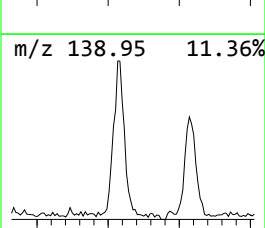
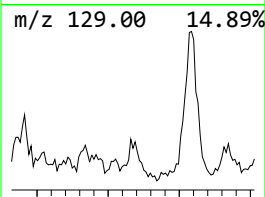
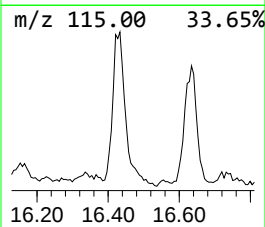
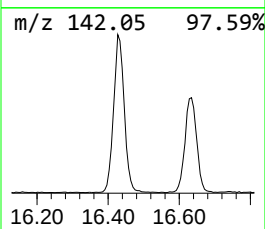
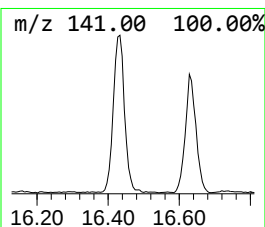
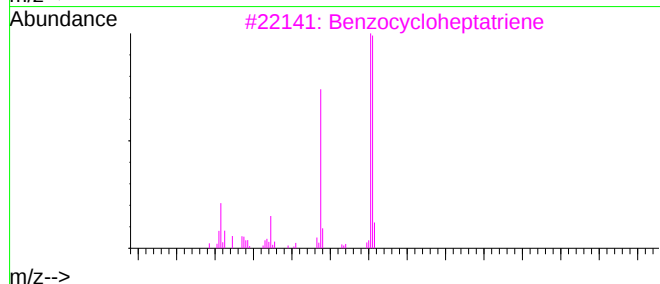
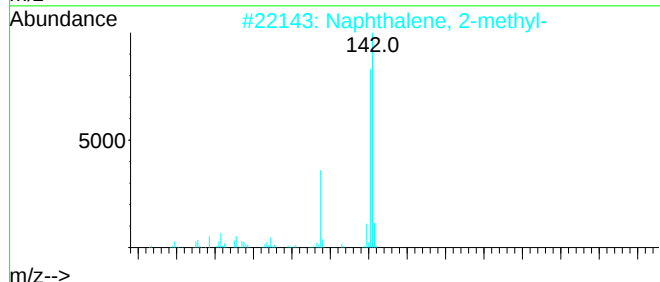
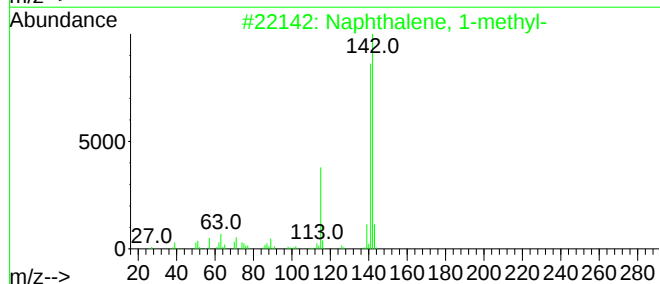
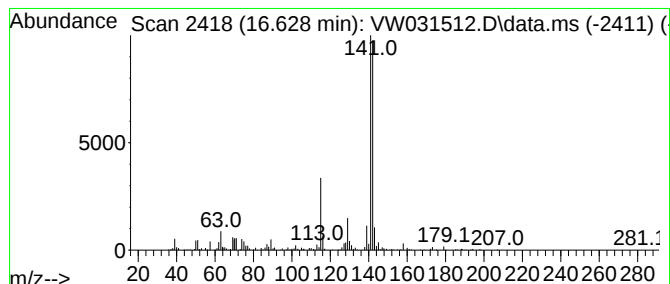
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TIC Integration Parameters: LSCINT.P

Peak Number 38 Naphthalene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.628	2.63 ug/L	249734	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031512.D
Acq On : 23 Dec 2024 17:10
Operator : SY/MD
Sample : P5322-20
Misc : 5.82g/10mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE643

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	12.245	1.7	ug/L	164489	2	11.629	2363760	25.0
Benzene, 1-ethy...	12.861	8.8	ug/L	839718	3	13.556	2373560	25.0
Benzene, 1-ethy...	13.098	6.3	ug/L	600104	3	13.556	2373560	25.0
(DEL) Alkane: S...	13.159	6.0	ug/L	573326	3	13.556	2373560	25.0
p-Cymene	13.489	5.7	ug/L	541561	3	13.556	2373560	25.0
Benzene, 1-ethe...	13.745	8.6	ug/L	820002	3	13.556	2373560	25.0
Benzene, 1,3-di...	13.787	4.5	ug/L	427675	3	13.556	2373560	25.0
Benzene, 1-meth...	13.940	1.7	ug/L	158981	3	13.556	2373560	25.0
o-Cymene	14.001	3.3	ug/L	308604	3	13.556	2373560	25.0
Benzene, 1,2,3,...	14.031	2.7	ug/L	253850	3	13.556	2373560	25.0
Benzene, 2-ethy...	14.092	7.0	ug/L	669277	3	13.556	2373560	25.0
(E)-1-Phenyl-1-...	14.153	1.8	ug/L	172221	3	13.556	2373560	25.0
Benzene, 4-ethy...	14.330	4.8	ug/L	460540	3	13.556	2373560	25.0
Benzene, 1,3-di...	14.495	1.5	ug/L	143970	3	13.556	2373560	25.0
Naphthalene, de...	14.537	4.0	ug/L	383567	3	13.556	2373560	25.0
2,2-Dimethylind...	14.635	3.0	ug/L	281915	3	13.556	2373560	25.0
Benzene, 1,2,4,...	14.787	16.8	ug/L	1593330	3	13.556	2373560	25.0
Cyclohexane, 1-...	14.848	10.6	ug/L	1001650	3	13.556	2373560	25.0
Naphthalene, 1,...	14.952	2.9	ug/L	274771	3	13.556	2373560	25.0
Azulene	15.354	18.4	ug/L	1748890	3	13.556	2373560	25.0
Naphthalene, 2-...	16.427	3.9	ug/L	368413	3	13.556	2373560	25.0
Naphthalene, 1-...	16.628	2.6	ug/L	249734	3	13.556	2373560	25.0