

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
 Data File : VW031510.D
 Acq On : 23 Dec 2024 16:23
 Operator : SY/MD
 Sample : P5322-16
 Misc : 4.13g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 YE630

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: VW031510.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.167	38	46	48	rBV	7956	15505	0.42%	0.027%
2	2.216	48	54	56	rVV7	6152	14346	0.39%	0.025%
3	2.356	70	77	93	rVB	275531	547942	14.97%	0.962%
4	2.515	97	103	108	rBV	13894	33853	0.93%	0.059%
5	2.893	157	165	179	rBV	174516	475855	13.00%	0.836%
6	4.015	338	349	364	rBV	511458	1377834	37.65%	2.420%
7	4.131	366	368	369	rVV2	2685	2666	0.07%	0.005%
8	4.192	369	378	397	rVB2	9210	46871	1.28%	0.082%
9	4.911	489	496	498	rBV4	3903	7431	0.20%	0.013%
10	5.112	523	529	531	rBV5	1241	2622	0.07%	0.005%
11	5.789	635	640	647	rVB10	2758	7166	0.20%	0.013%
12	5.941	657	665	677	rVB4	9964	30623	0.84%	0.054%
13	6.911	816	824	833	rBV4	7756	26314	0.72%	0.046%
14	7.106	847	856	861	rBV	44300	143705	3.93%	0.252%
15	7.648	934	945	959	rVV	566081	1393795	38.09%	2.448%
16	8.276	1034	1048	1065	rBV2	1191307	3400892	92.93%	5.973%
17	8.563	1089	1095	1098	rBV6	1106	2519	0.07%	0.004%
18	8.837	1132	1140	1153	rBV	1398932	2802223	76.57%	4.921%
19	9.081	1176	1180	1181	rVV4	3024	3990	0.11%	0.007%
20	9.099	1181	1183	1188	rVB4	2543	3160	0.09%	0.006%
21	9.270	1202	1211	1223	rBV	718241	1489195	40.69%	2.615%
22	9.416	1229	1235	1248	rVB	16168	37714	1.03%	0.066%
23	9.751	1287	1290	1298	rVB9	2783	5951	0.16%	0.010%
24	9.892	1307	1313	1318	rVB5	8030	15188	0.42%	0.027%
25	9.953	1319	1323	1326	rBV6	2110	3668	0.10%	0.006%
26	10.032	1329	1336	1350	rVV	385188	701150	19.16%	1.231%
27	10.215	1361	1366	1376	rVV3	10082	28841	0.79%	0.051%
28	10.318	1376	1383	1391	rVV	1656212	3008055	82.20%	5.283%
29	10.386	1391	1394	1406	rVB	20446	39109	1.07%	0.069%
30	10.501	1408	1413	1419	rVB6	6439	13360	0.37%	0.023%
31	10.575	1419	1425	1436	rBV	215176	383048	10.47%	0.673%
32	10.696	1440	1445	1451	rVB2	47359	86367	2.36%	0.152%
33	10.922	1476	1482	1493	rBV	217647	401036	10.96%	0.704%
34	11.068	1501	1506	1519	rVB3	41280	88249	2.41%	0.155%
35	11.172	1520	1523	1527	rVB3	8554	11343	0.31%	0.020%
36	11.227	1527	1532	1537	rBV	25007	41142	1.12%	0.072%

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 Title : SFAM01.0

37	11.337	1545	1550	1553	rBV5	18909	35653	0.97%	0.063%
38	11.434	1562	1566	1574	rVB	58651	110297	3.01%	0.194%
39	11.507	1575	1578	1590	rVB2	20230	43248	1.18%	0.076%
40	11.629	1590	1598	1608	rBV	1824349	3100008	84.71%	5.444%

41	11.727	1608	1614	1619	rBV	84436	147272	4.02%	0.259%
42	11.836	1623	1632	1641	rBV2	285721	615668	16.82%	1.081%
43	11.910	1641	1644	1649	rVB5	27510	44971	1.23%	0.079%
44	11.971	1649	1654	1659	rBV2	25980	52271	1.43%	0.092%
45	12.068	1661	1670	1672	rBV8	30744	85793	2.34%	0.151%

46	12.160	1675	1685	1692	rVV2	207731	559547	15.29%	0.983%
47	12.245	1693	1699	1703	rVB2	81230	133775	3.66%	0.235%
48	12.336	1709	1714	1720	rBV5	180417	469214	12.82%	0.824%
49	12.458	1730	1734	1738	rVB5	53474	93460	2.55%	0.164%
50	12.538	1744	1747	1749	rBV	23816	27071	0.74%	0.048%

51	12.562	1749	1751	1754	rVB2	59137	60860	1.66%	0.107%
52	12.605	1754	1758	1762	rVB2	72016	111486	3.05%	0.196%
53	12.647	1762	1765	1767	rBV	26655	29879	0.82%	0.052%
54	12.690	1767	1772	1777	rBV	467249	760250	20.77%	1.335%
55	12.775	1781	1786	1793	rBV3	306077	585843	16.01%	1.029%

56	12.861	1793	1800	1804	rBV4	438858	897002	24.51%	1.575%
57	12.928	1806	1811	1818	rVB3	843910	1785263	48.78%	3.135%
58	13.037	1825	1829	1831	rBV6	39721	65960	1.80%	0.116%
59	13.098	1832	1839	1845	rVB3	202578	468802	12.81%	0.823%
60	13.159	1845	1849	1857	rVB4	265165	544629	14.88%	0.957%

61	13.245	1857	1863	1869	rBV	1505019	2587852	70.71%	4.545%
62	13.379	1881	1885	1887	rBV2	130429	188753	5.16%	0.331%
63	13.434	1889	1894	1899	rVV4	323687	674102	18.42%	1.184%
64	13.556	1908	1914	1917	rBV	1706987	3223142	88.07%	5.661%
65	13.702	1930	1938	1941	rBV4	147151	429243	11.73%	0.754%

66	13.745	1941	1945	1948	rVV2	484762	839670	22.94%	1.475%
67	13.787	1948	1952	1956	rVV3	420052	873622	23.87%	1.534%
68	13.854	1957	1963	1971	rVV3	1470915	3659638	100.00%	6.427%
69	13.946	1973	1978	1983	rVV	233082	449325	12.28%	0.789%
70	14.001	1983	1987	1990	rVV	288943	502338	13.73%	0.882%

71	14.031	1990	1992	1997	rVV	324912	459589	12.56%	0.807%
72	14.092	1997	2002	2007	rVB	505549	798841	21.83%	1.403%
73	14.153	2008	2012	2015	rBV	152889	228817	6.25%	0.402%
74	14.202	2015	2020	2025	rVB2	699730	1173411	32.06%	2.061%
75	14.269	2025	2031	2035	rVB7	133075	276790	7.56%	0.486%

76	14.330	2035	2041	2045	rBV2	331876	582867	15.93%	1.024%
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 Title : SFAM01.0

77	14.379	2045	2049	2051	rBV2	217958	302099	8.25%	0.531%
78	14.409	2051	2054	2058	rVV	406133	644784	17.62%	1.132%
79	14.446	2058	2060	2065	rVB	453664	603159	16.48%	1.059%
80	14.495	2065	2068	2071	rVB	164496	194555	5.32%	0.342%
81	14.537	2071	2075	2082	rVB3	276718	522588	14.28%	0.918%
82	14.635	2082	2091	2095	rVB2	310292	525590	14.36%	0.923%
83	14.684	2095	2099	2103	rBV4	247347	521185	14.24%	0.915%
84	14.781	2110	2115	2123	rBV2	1006810	2249696	61.47%	3.951%
85	14.848	2123	2126	2139	rVB3	238500	466905	12.76%	0.820%
86	14.952	2139	2143	2148	rBV	161458	238965	6.53%	0.420%
87	15.019	2150	2154	2155	rBV	99840	124453	3.40%	0.219%
88	15.055	2156	2160	2164	rBV4	247052	424486	11.60%	0.746%
89	15.092	2164	2166	2169	rVB	86800	103402	2.83%	0.182%
90	15.165	2174	2178	2184	rVB2	259555	527729	14.42%	0.927%
91	15.311	2197	2202	2204	rBV3	94954	161639	4.42%	0.284%
92	15.354	2204	2209	2217	rVB	1644736	2934646	80.19%	5.154%
93	15.458	2222	2226	2231	rVB4	100022	173160	4.73%	0.304%
94	15.543	2237	2240	2248	rVB5	85455	158529	4.33%	0.278%
95	15.720	2265	2269	2273	rBV4	35213	68578	1.87%	0.120%
96	15.939	2301	2305	2310	rVB5	58806	102220	2.79%	0.180%
97	16.342	2366	2371	2378	rBV4	21092	65076	1.78%	0.114%
98	16.427	2378	2385	2392	rBV	397050	857862	23.44%	1.507%
99	16.628	2411	2418	2430	rVB	177598	445557	12.17%	0.783%
100	16.738	2431	2436	2444	rVB3	22423	53595	1.46%	0.094%

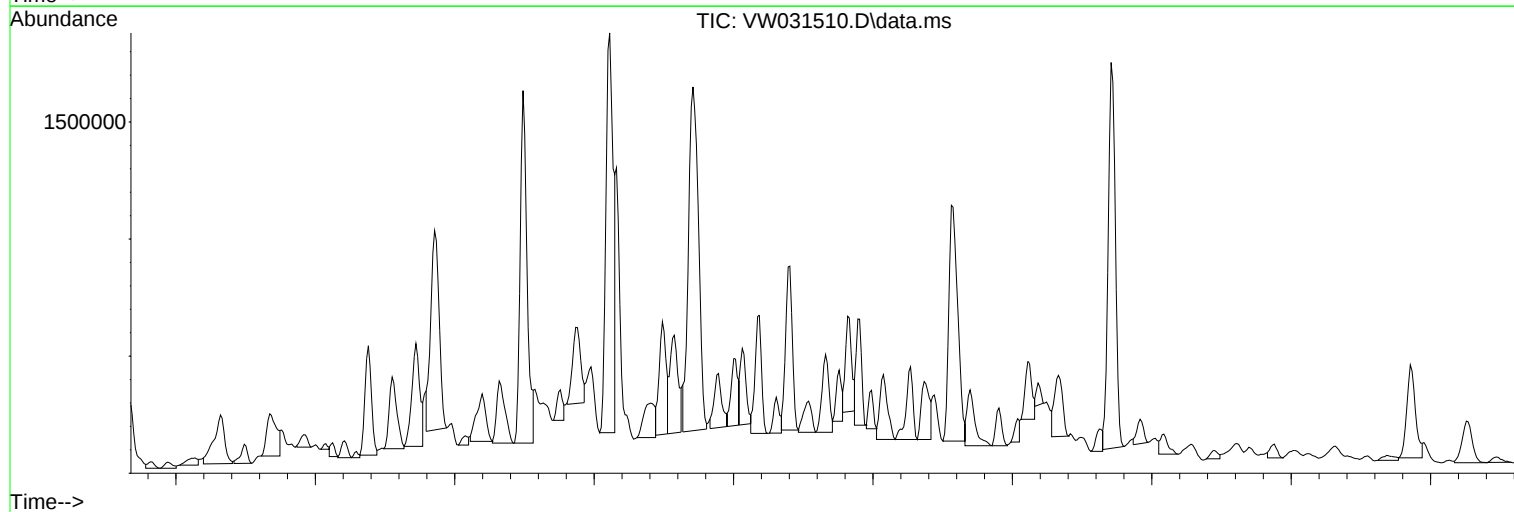
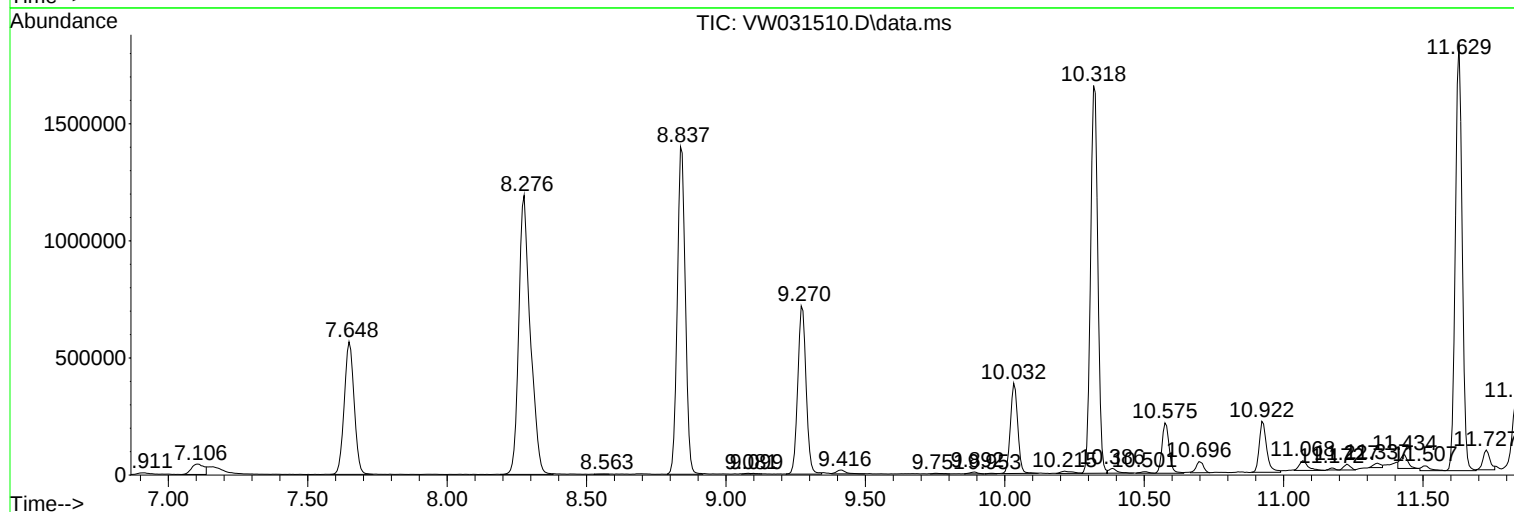
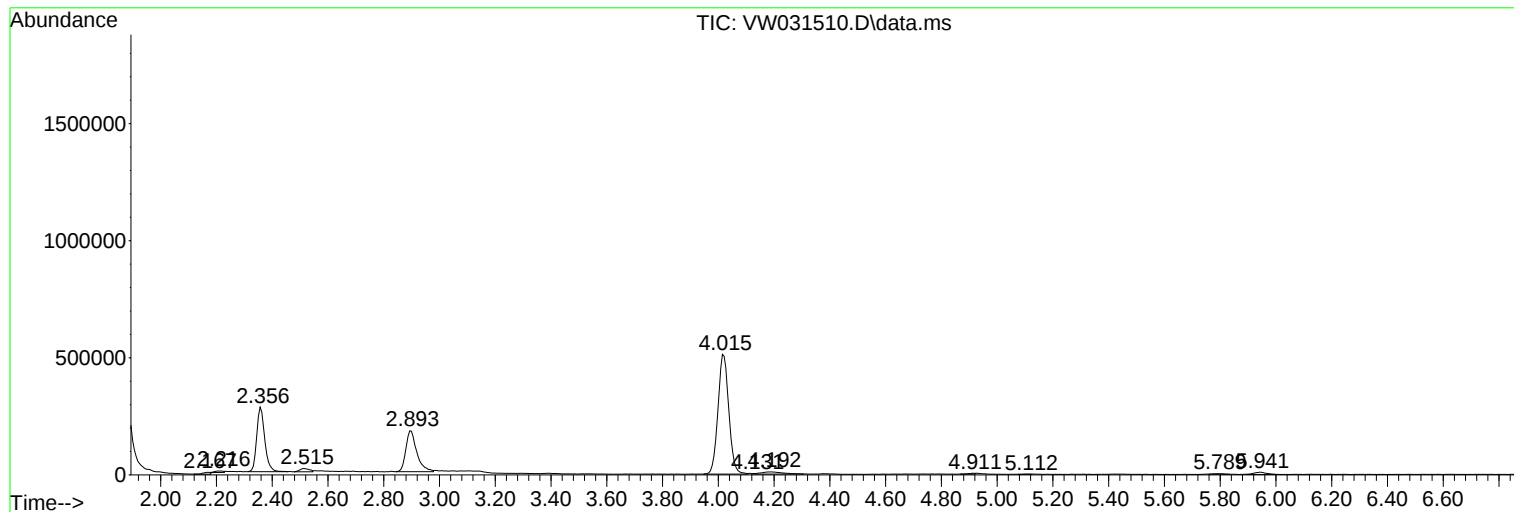
Sum of corrected areas: 56939408

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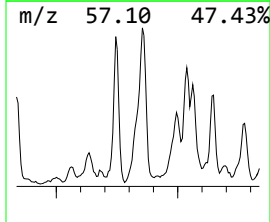
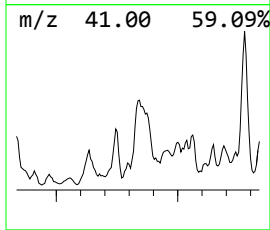
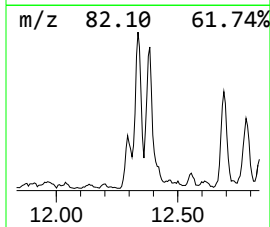
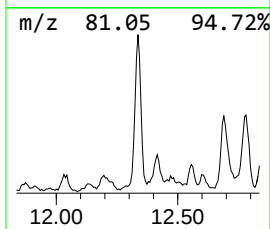
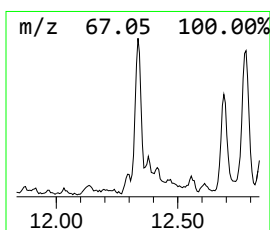
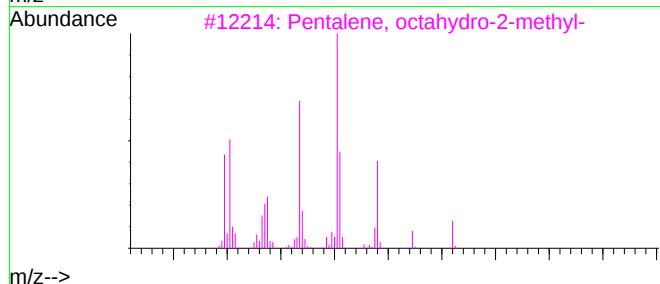
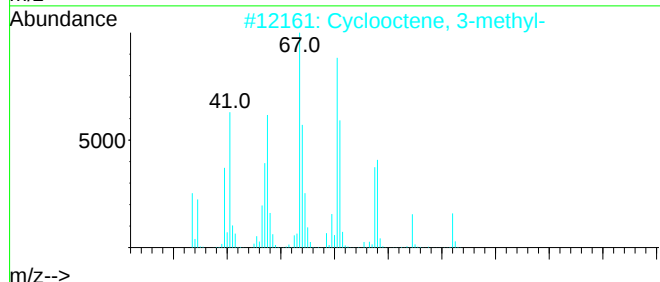
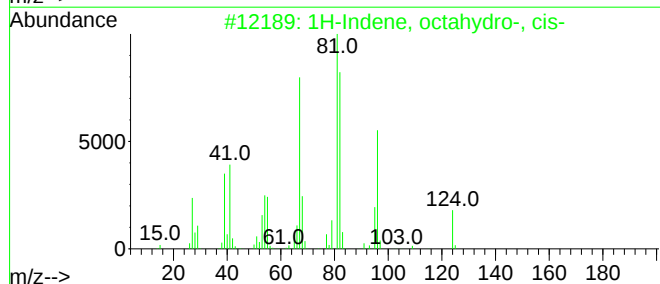
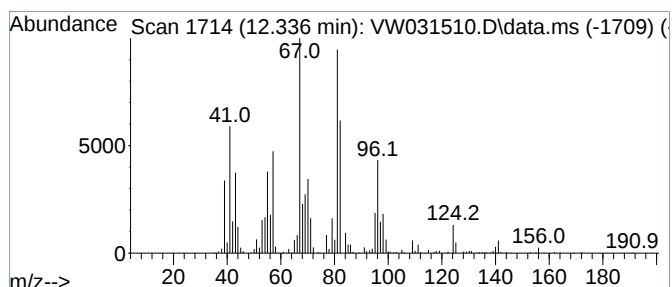
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 1H-Indene, octahydro-, cis- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.336	3.78 ug/L	469214	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	92
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	64
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	60
4	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53



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Quant Title : SFAM01.0

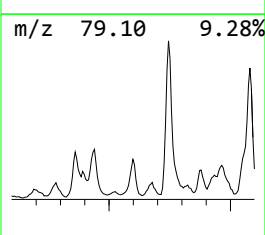
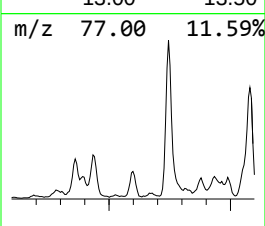
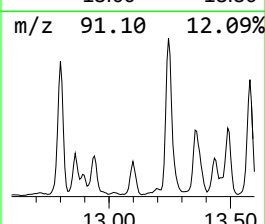
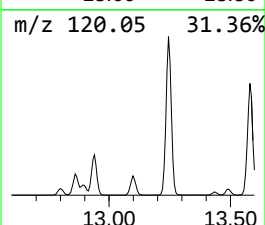
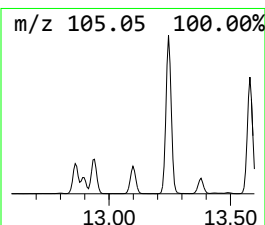
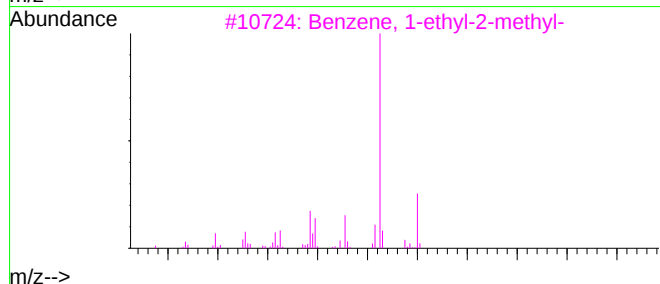
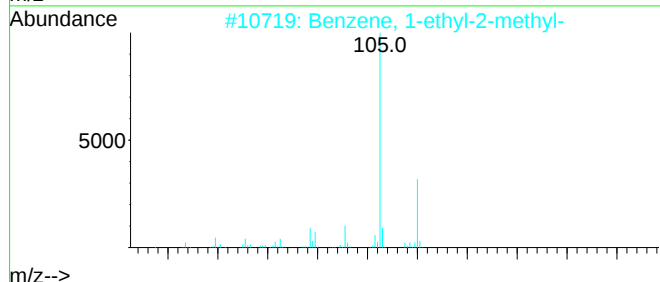
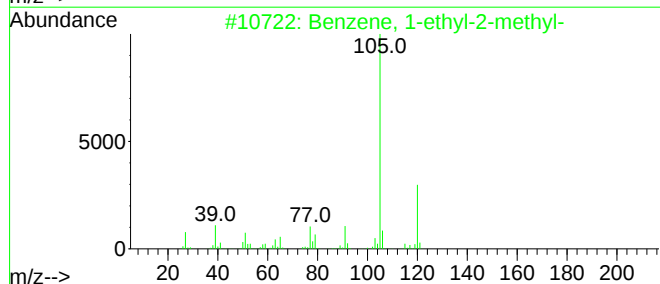
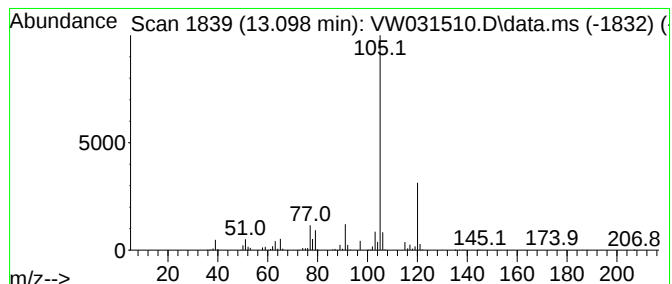
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	3.64 ug/L	468802	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



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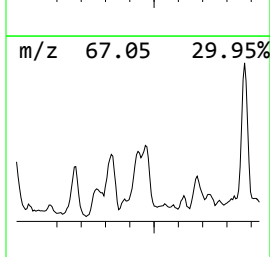
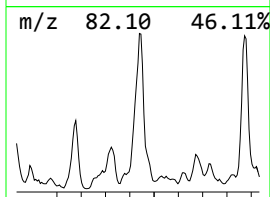
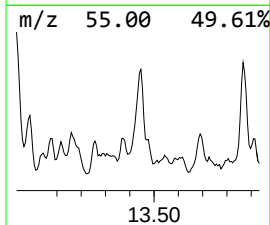
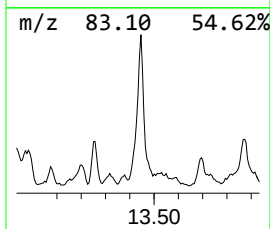
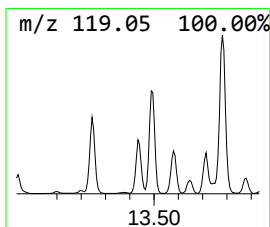
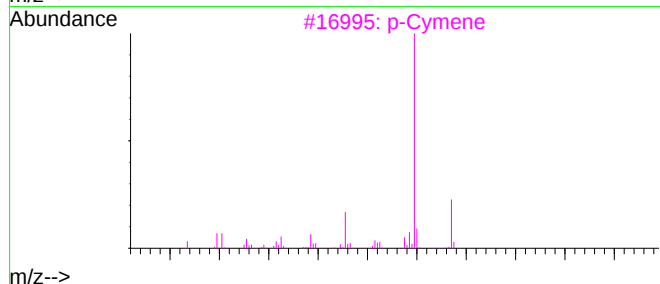
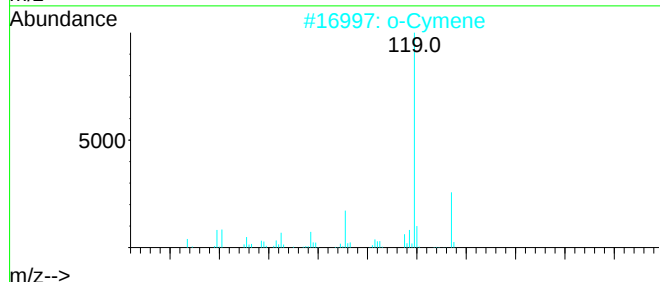
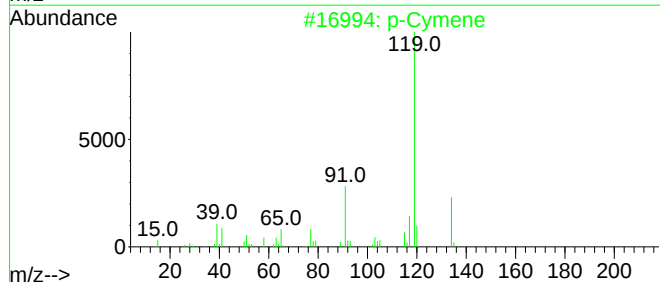
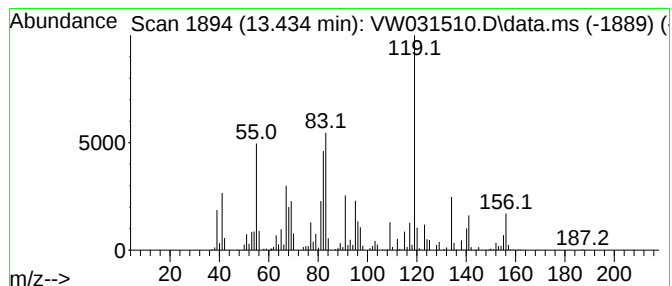
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.434	5.23 ug/L	674102	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	p-Cymene		134	C10H14	000099-87-6	86
2	o-Cymene		134	C10H14	000527-84-4	83
3	p-Cymene		134	C10H14	000099-87-6	83
4	1,3,5-Cycloheptatriene, 3,7,7-tr...		134	C10H14	003479-89-8	80
5	o-Cymene		134	C10H14	000527-84-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

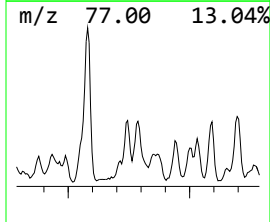
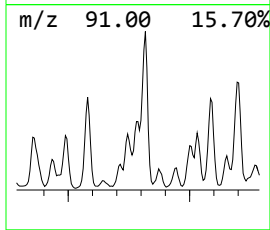
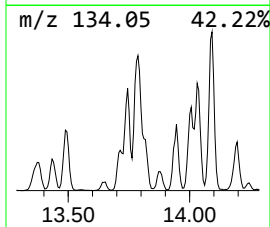
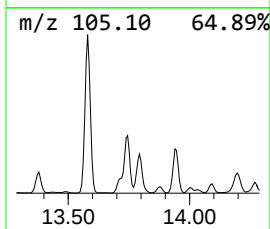
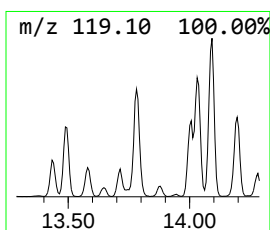
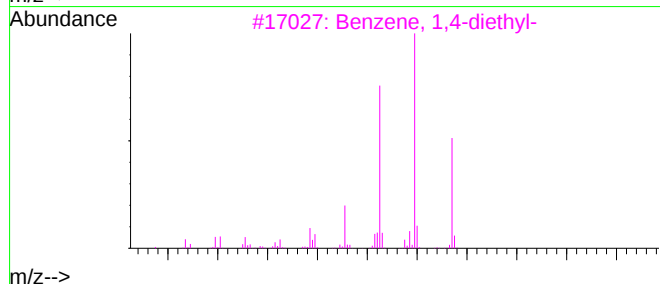
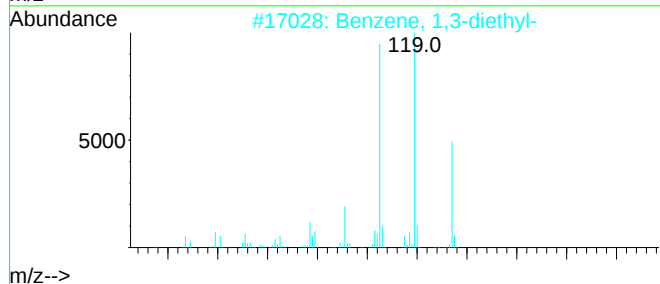
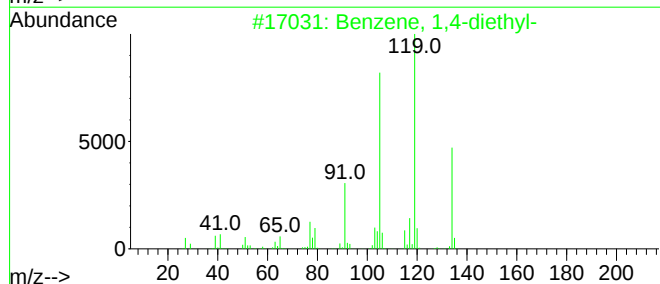
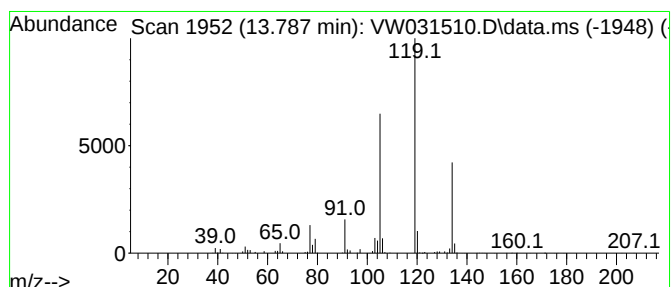
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 1,4-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.787	6.78 ug/L	873622	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

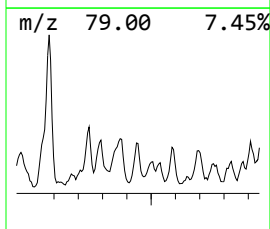
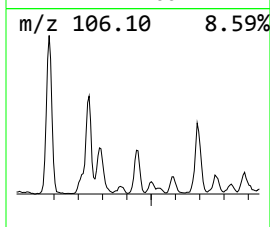
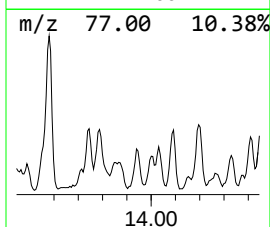
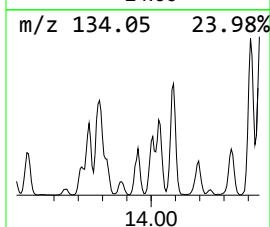
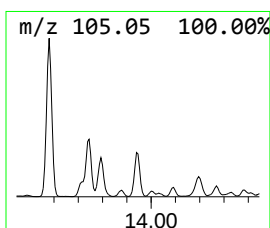
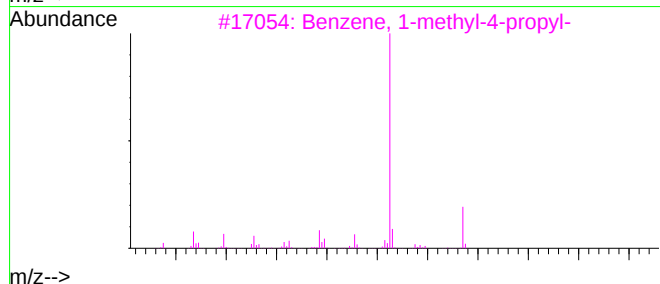
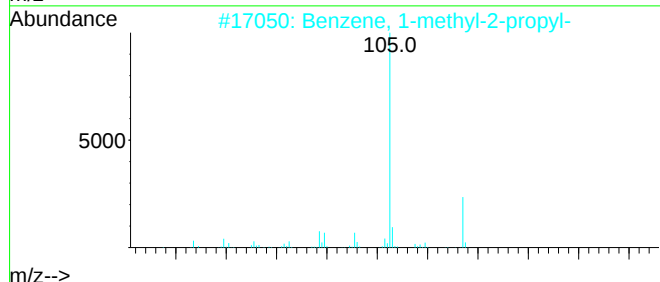
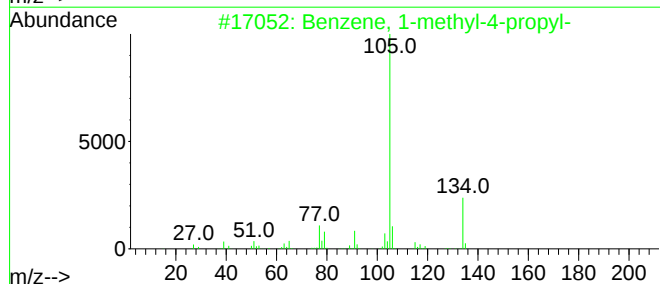
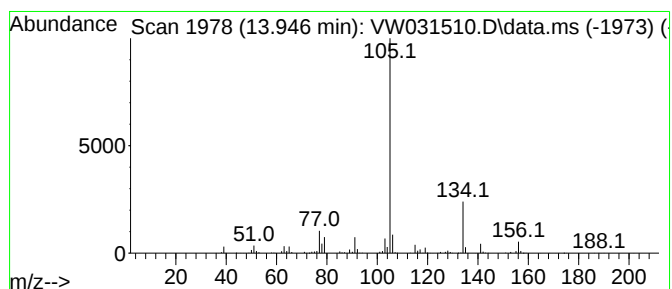
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	3.49 ug/L	449325	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	93
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	81
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

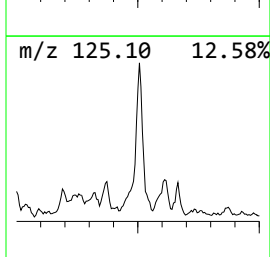
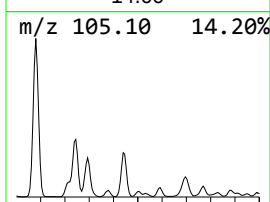
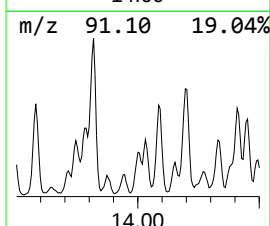
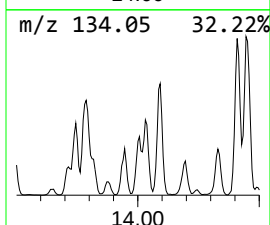
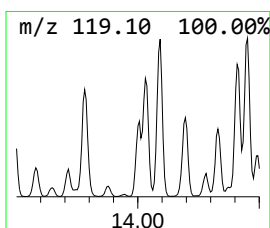
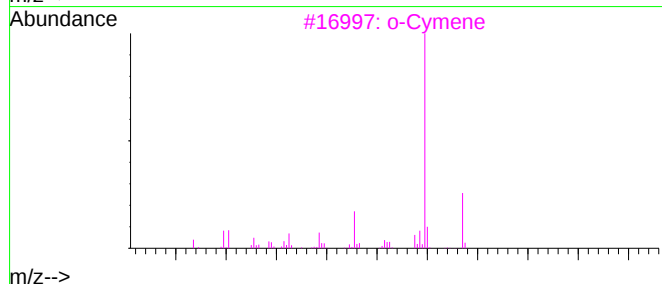
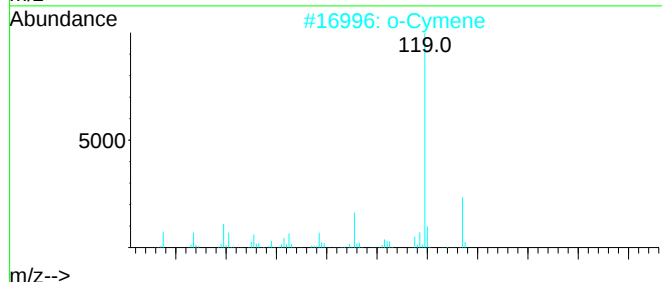
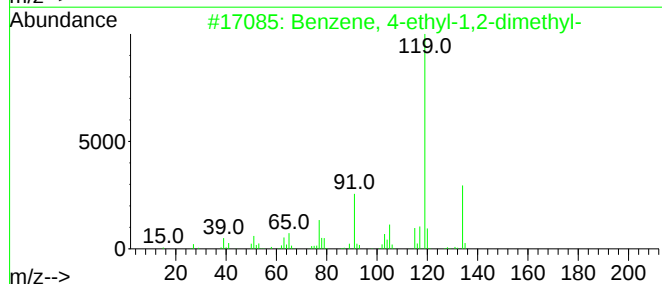
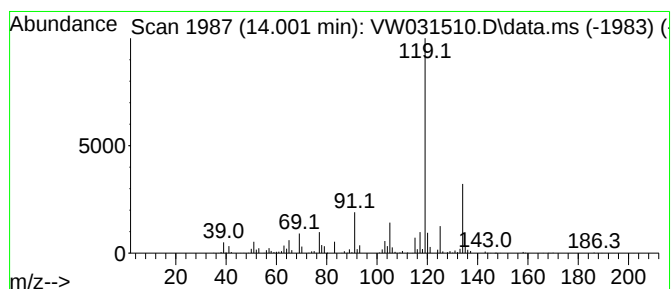
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.001	3.90 ug/L	502338	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	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

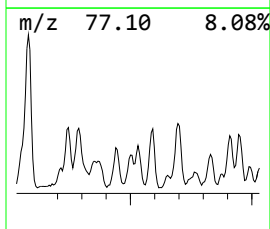
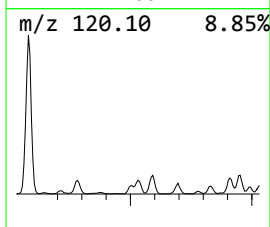
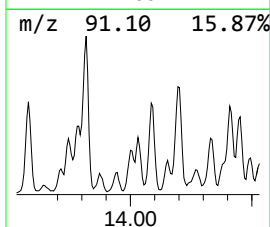
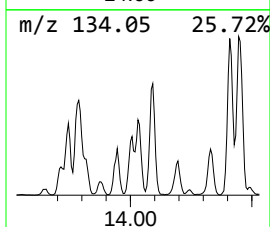
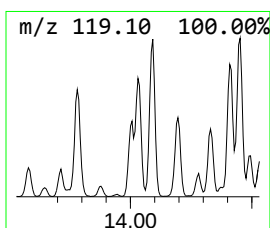
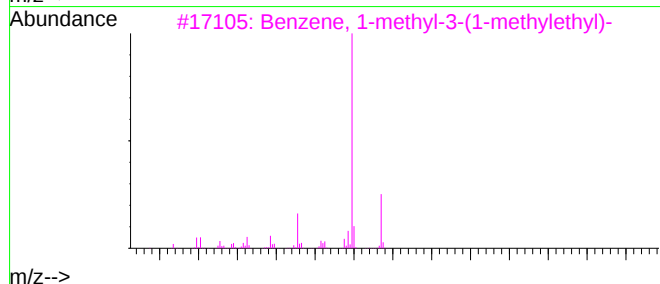
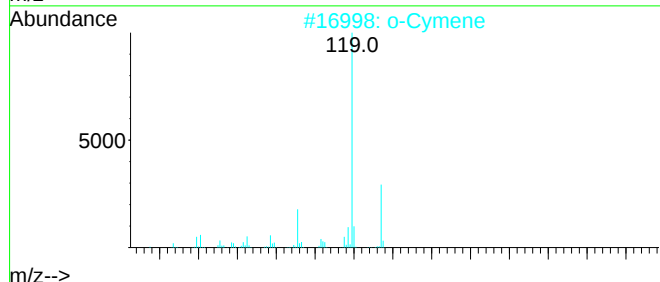
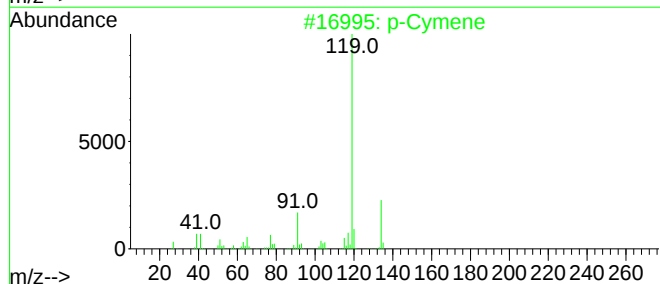
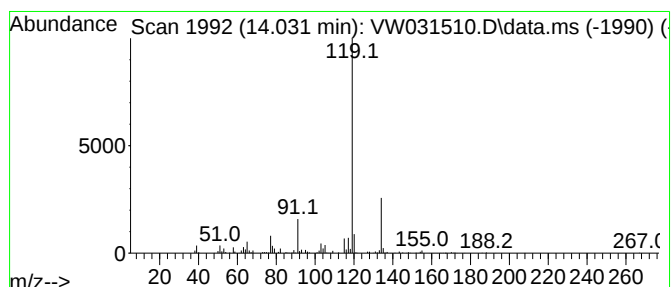
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 14 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.031	3.56 ug/L	459589	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

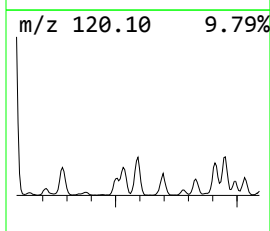
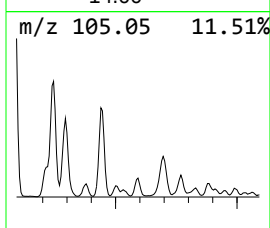
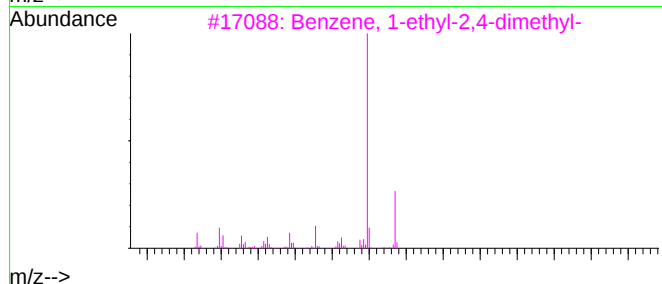
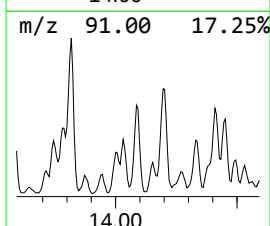
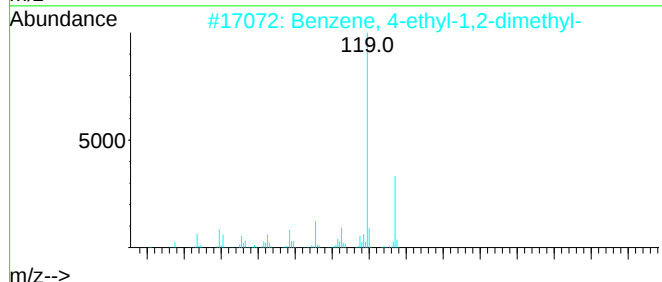
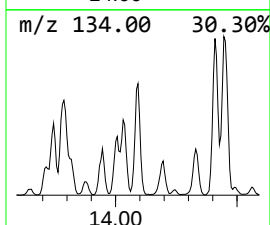
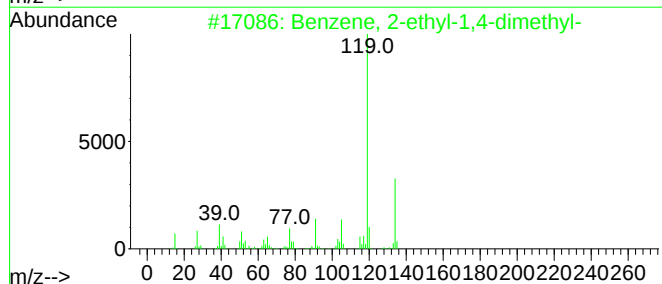
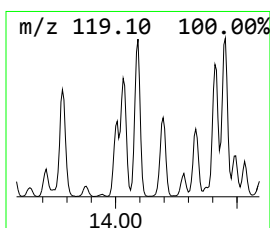
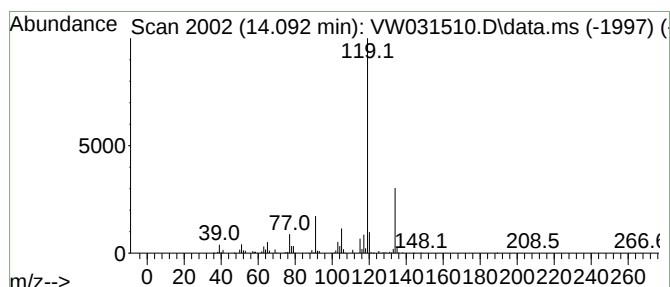
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	6.20 ug/L	798841	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	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 : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

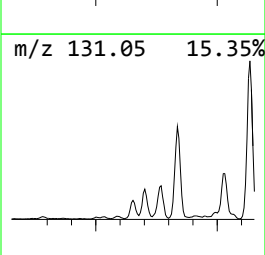
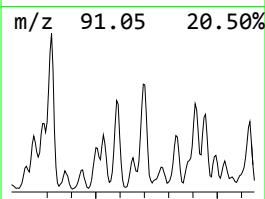
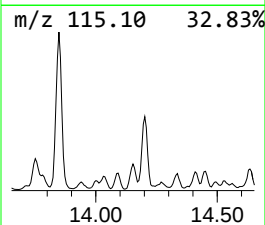
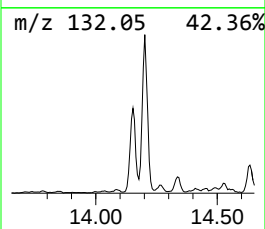
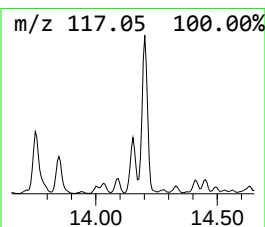
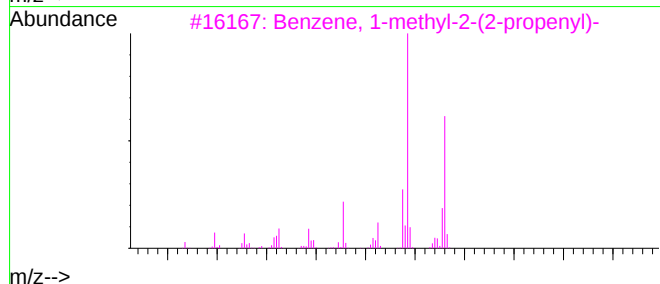
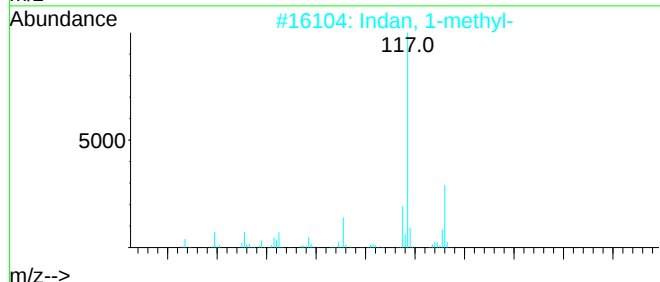
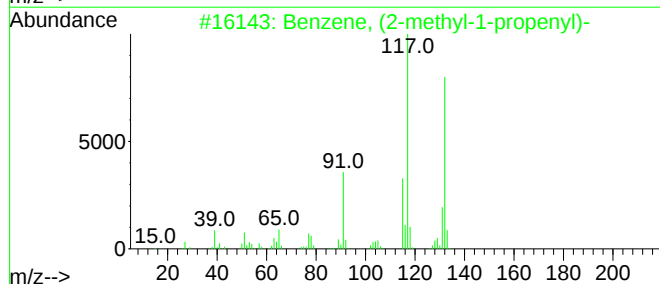
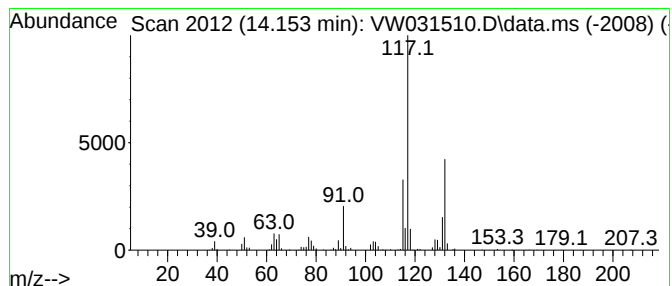
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzene, (2-methyl-1-propen... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.153	1.77 ug/L	228817	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	91
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

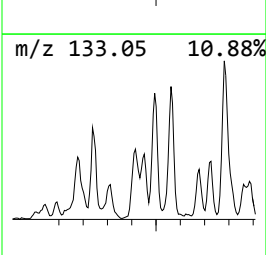
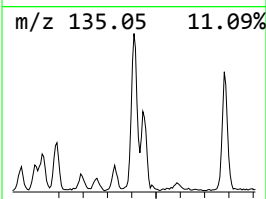
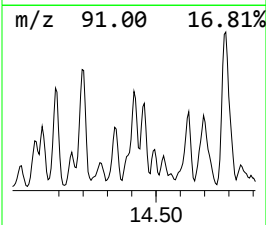
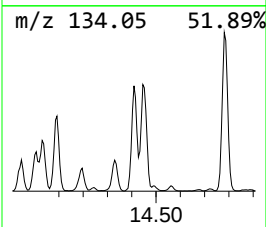
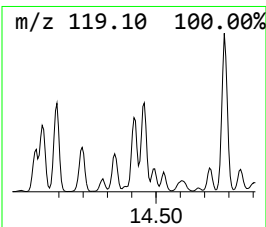
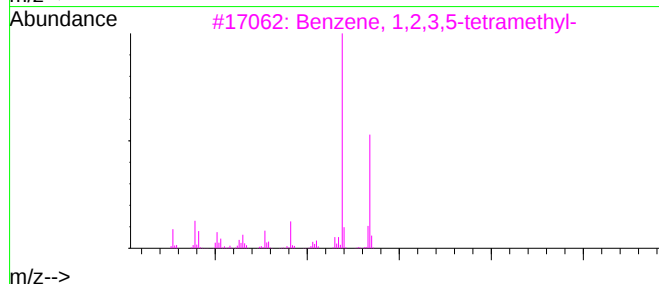
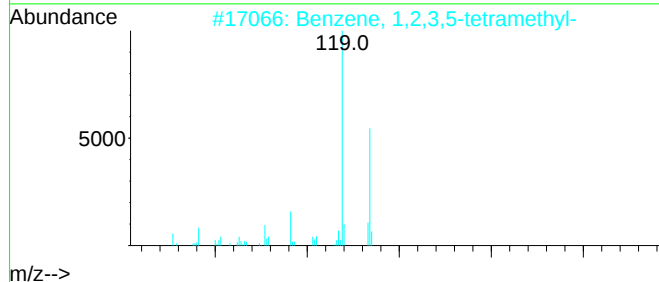
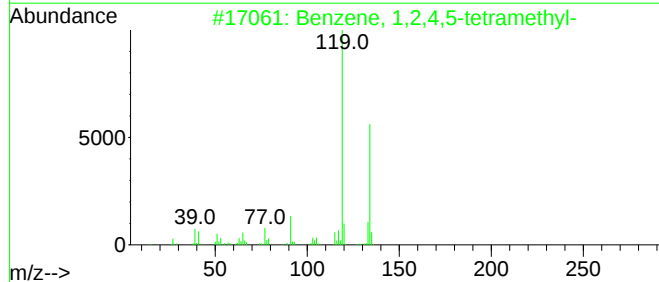
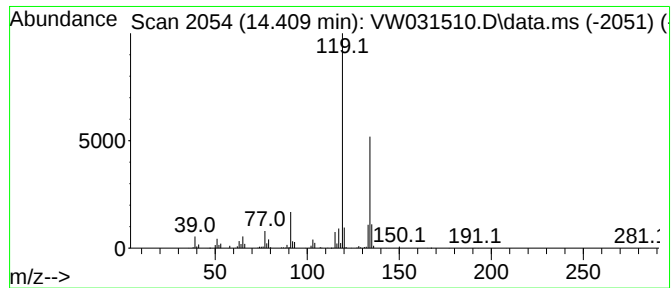
Instrument :
MSVOA_W
ClientSampleId :
YE630

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Quant Title : SFAM01.0

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

Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.409	5.00 ug/L	644784	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	97
2	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

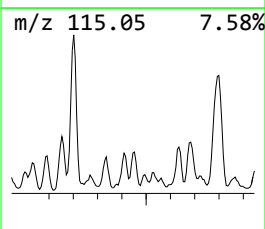
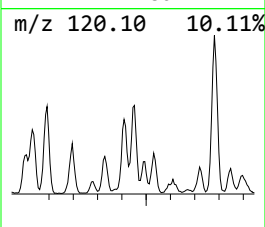
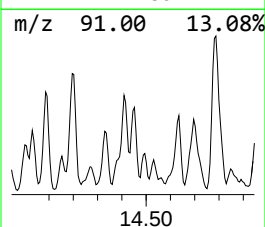
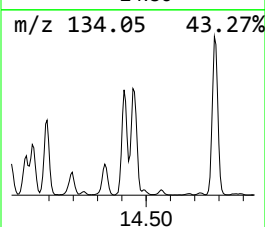
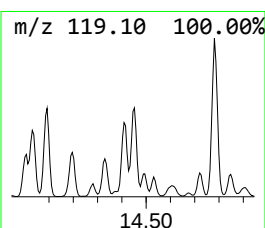
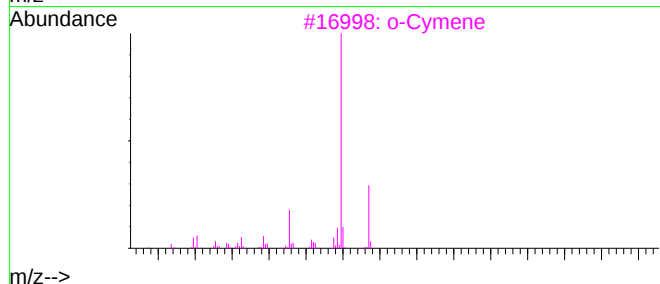
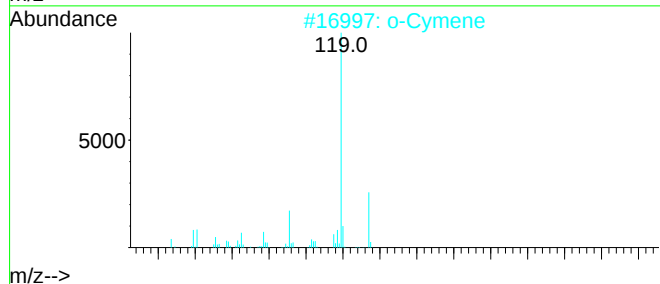
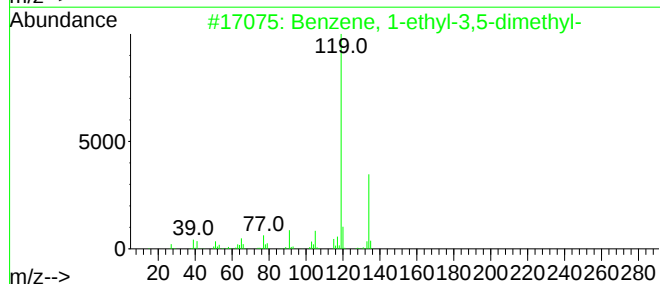
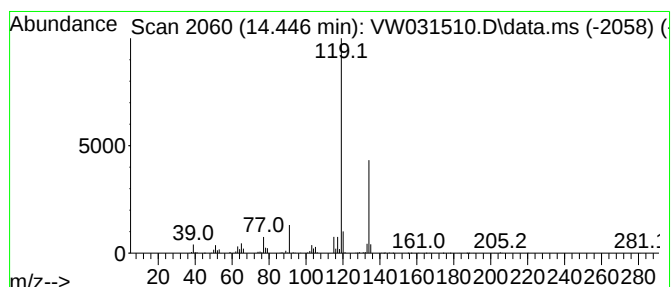
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 22 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.446	4.68 ug/L	603159	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-		134	C10H14	000934-74-7	95
2	o-Cymene		134	C10H14	000527-84-4	95
3	o-Cymene		134	C10H14	000527-84-4	94
4	o-Cymene		134	C10H14	000527-84-4	94
5	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

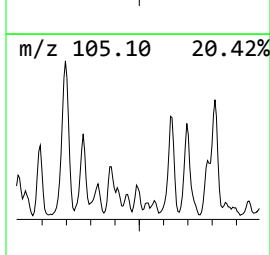
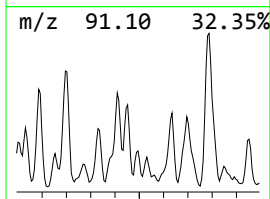
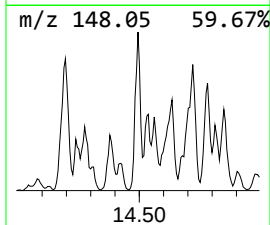
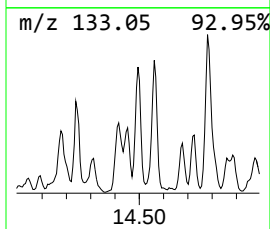
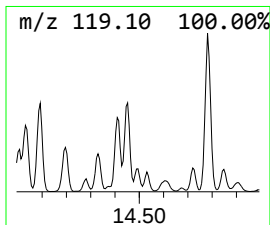
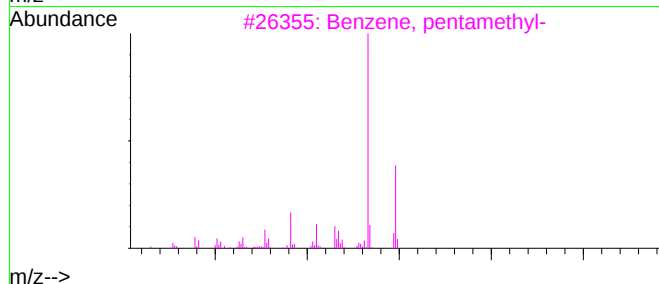
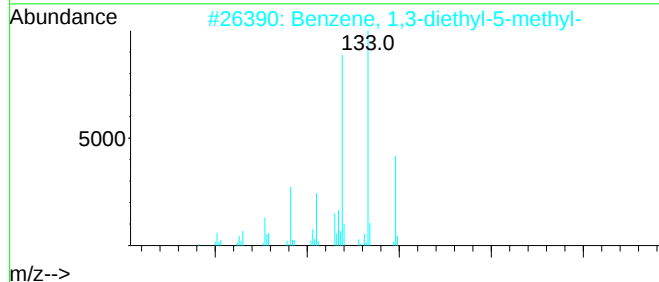
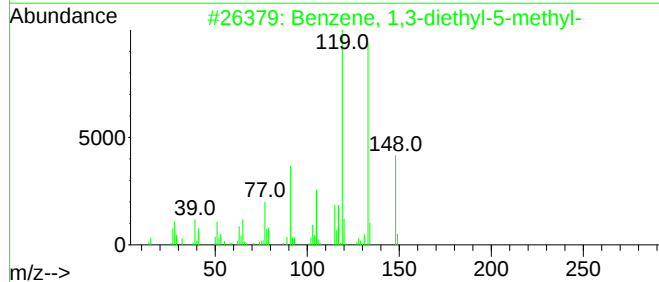
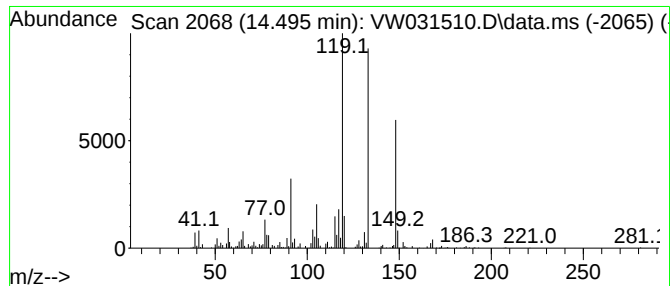
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Quant Title : SFAM01.0

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

Peak Number 23 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.51 ug/L	194555	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	95
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	72
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

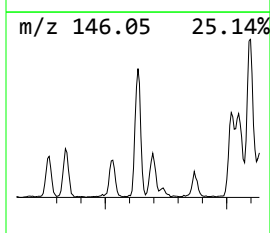
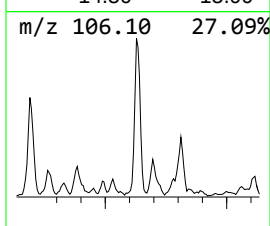
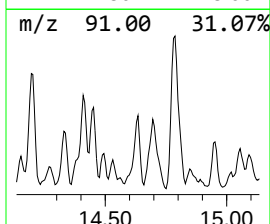
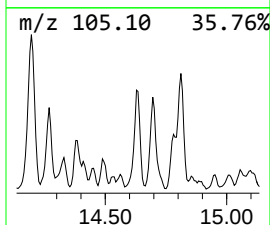
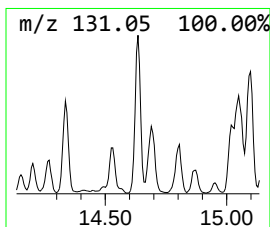
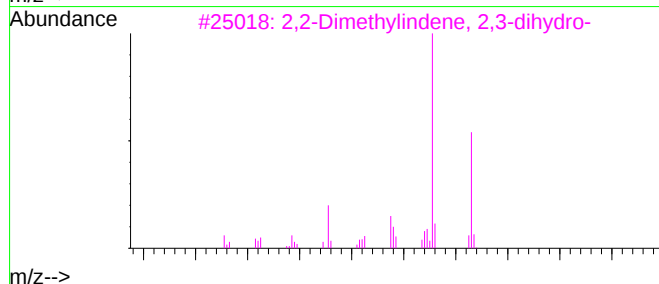
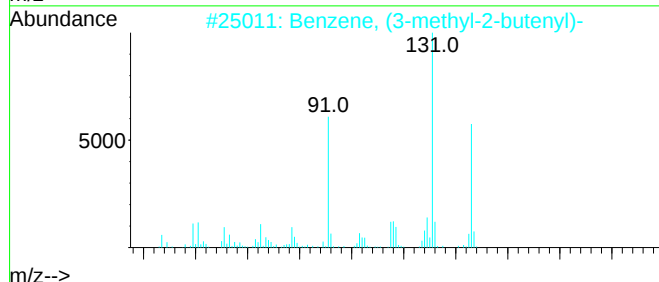
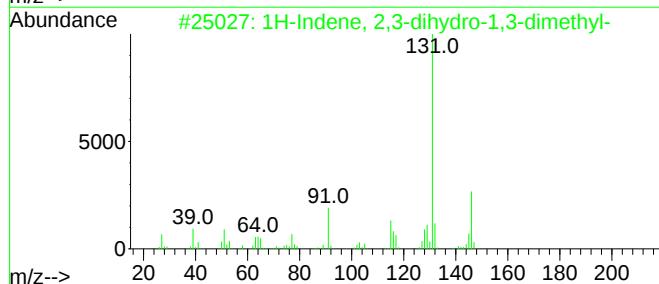
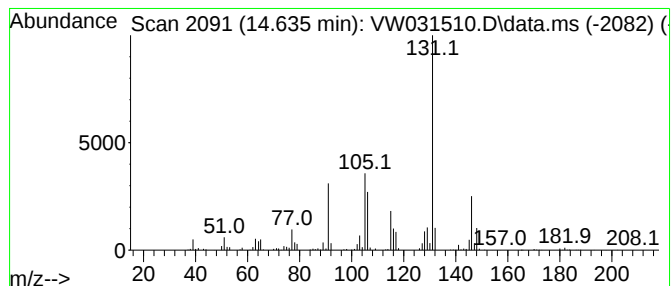
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 25 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.635	4.08 ug/L	525590	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	86
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

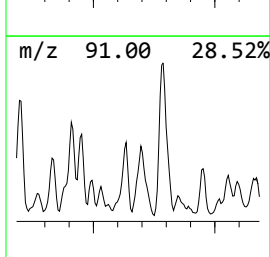
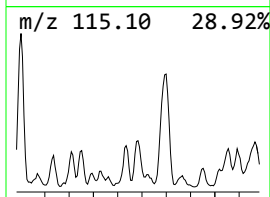
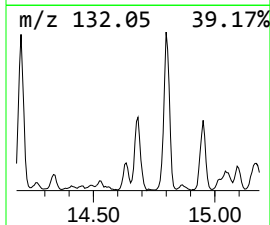
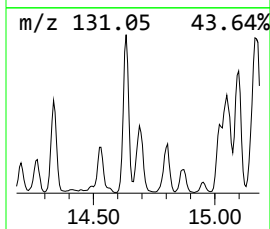
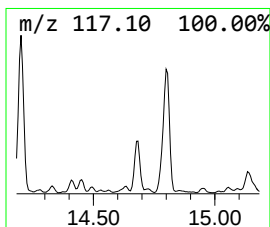
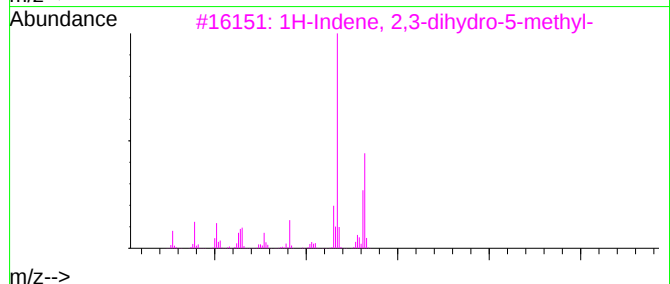
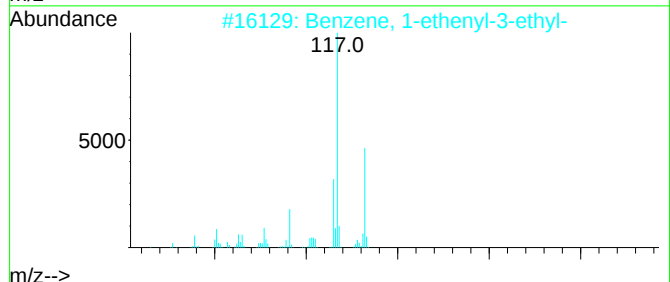
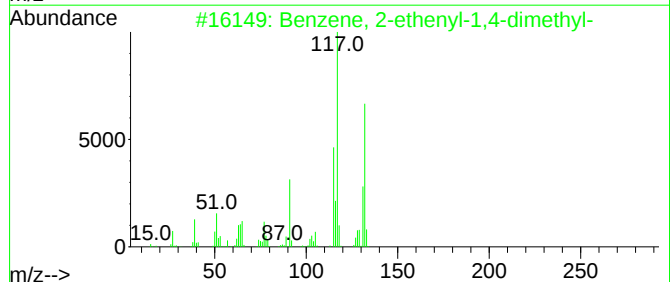
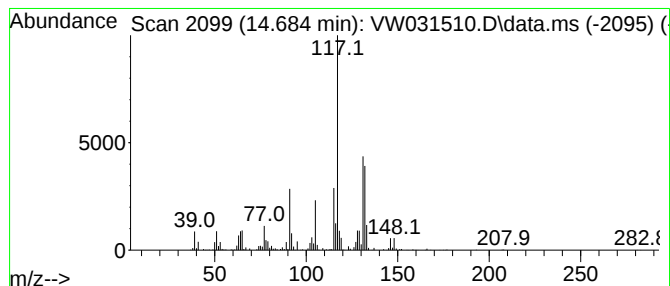
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 26 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	4.04 ug/L	521185	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

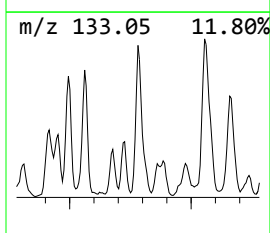
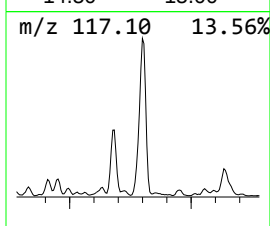
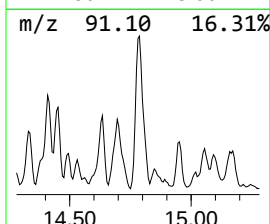
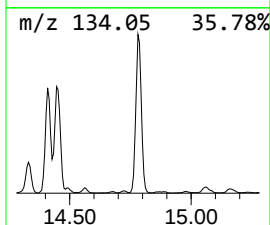
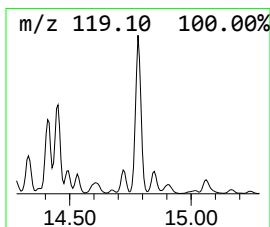
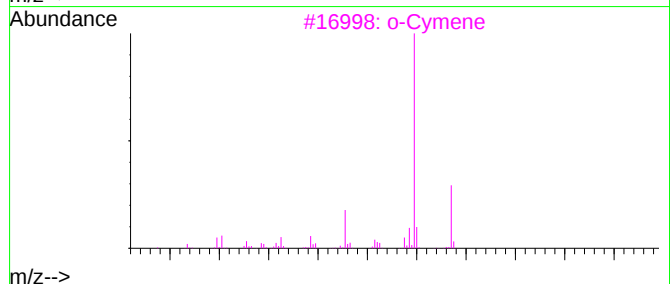
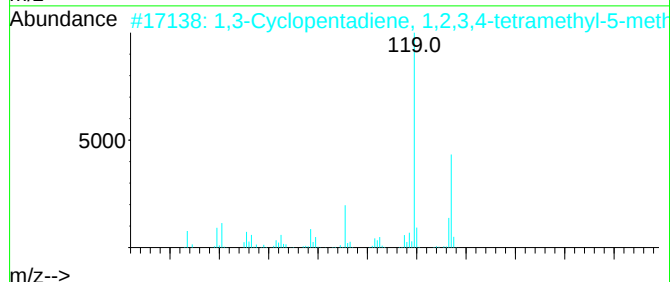
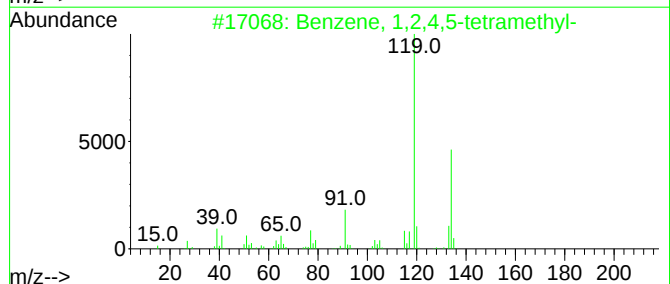
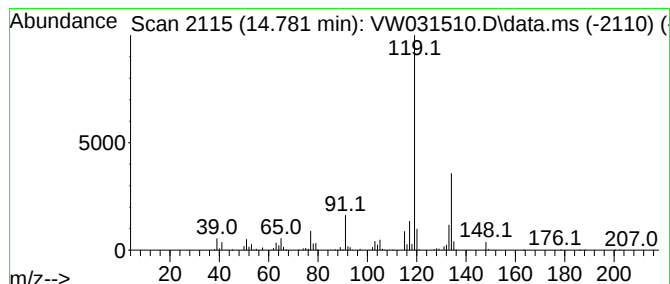
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 27 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.781	17.45 ug/L	2249700	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	97
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

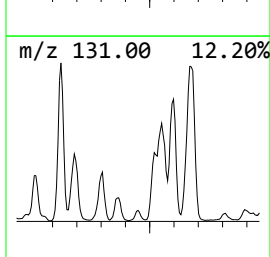
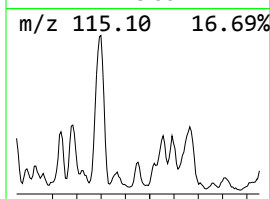
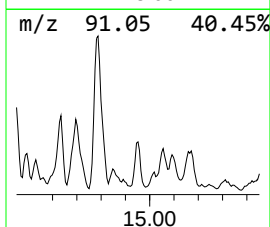
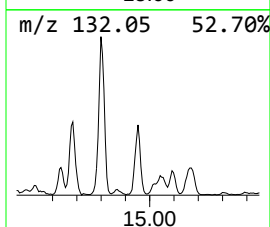
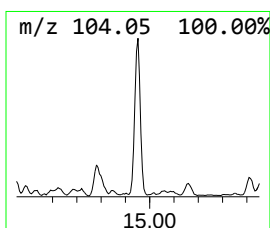
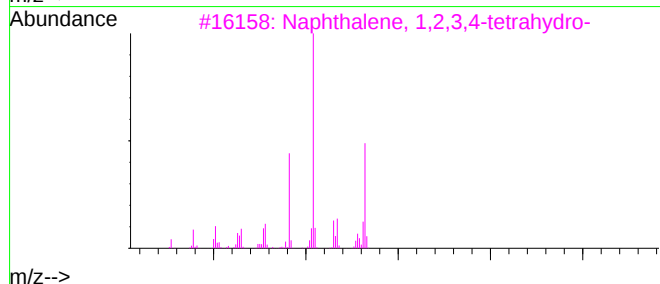
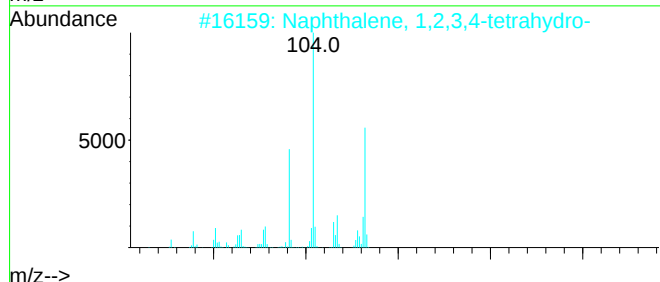
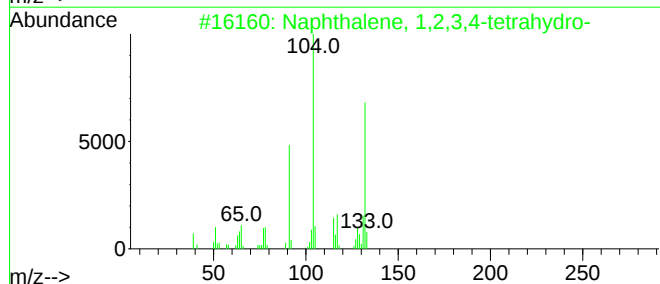
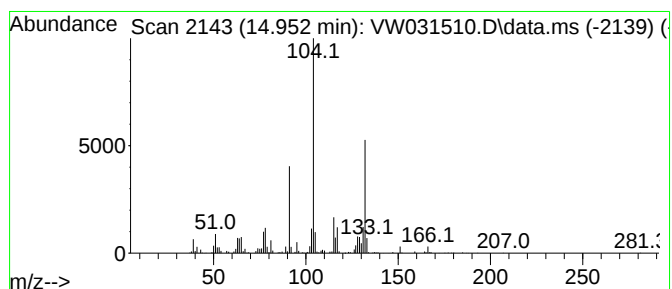
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 29 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	1.85 ug/L	238965	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	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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

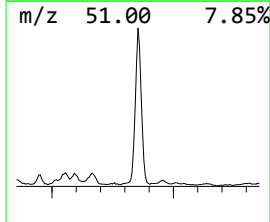
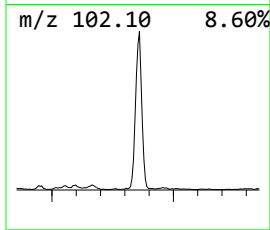
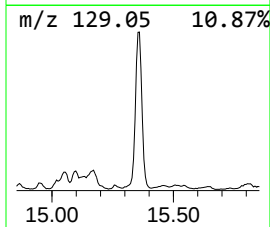
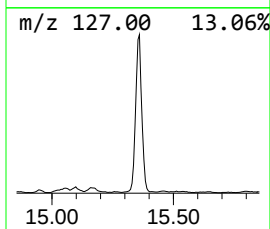
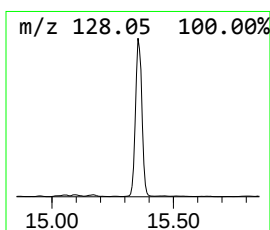
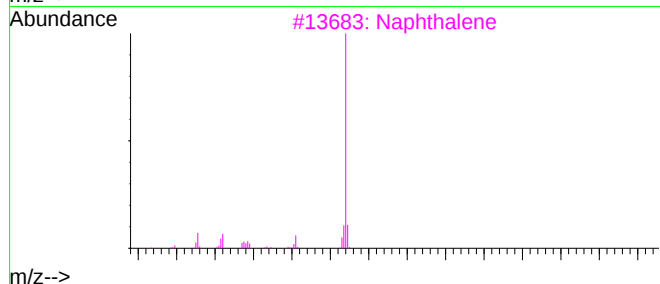
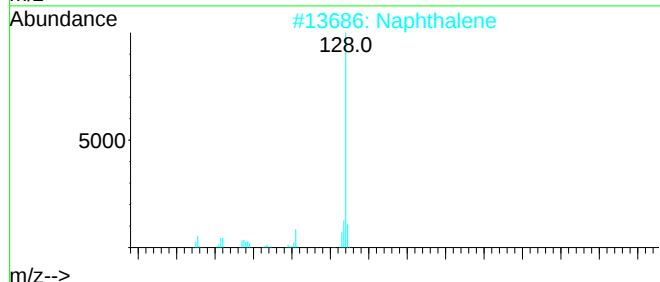
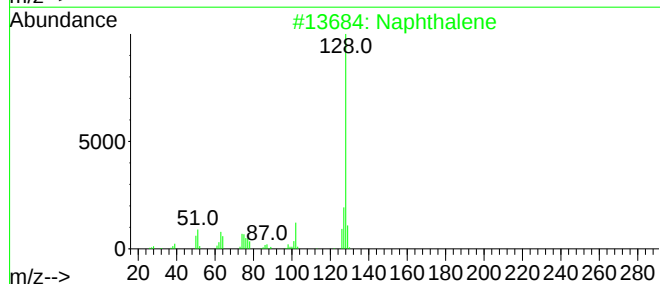
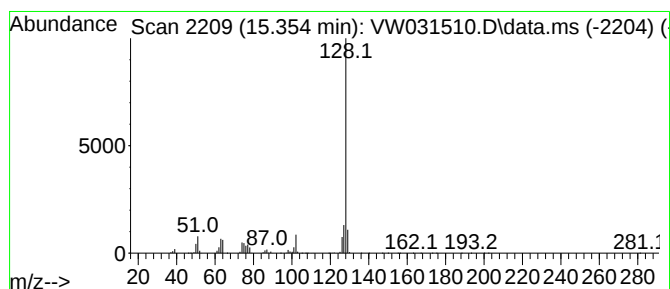
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 33 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.354	22.76 ug/L	2934650	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	97
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

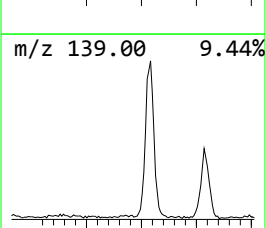
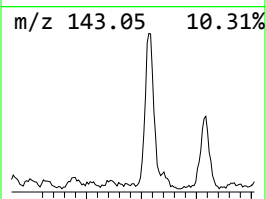
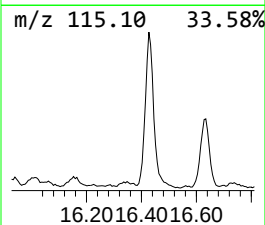
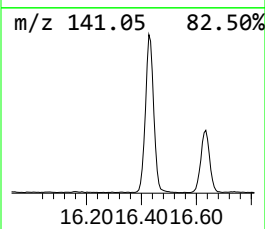
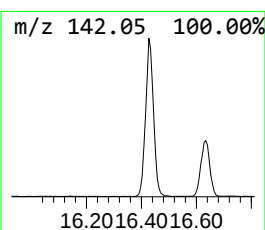
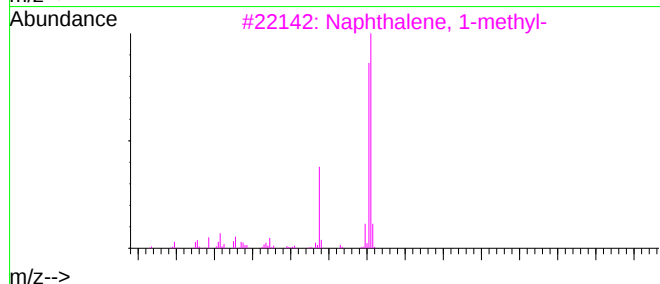
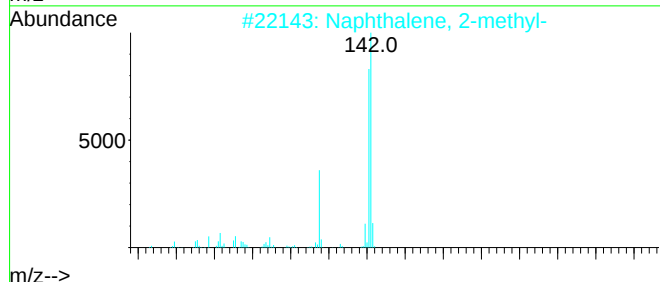
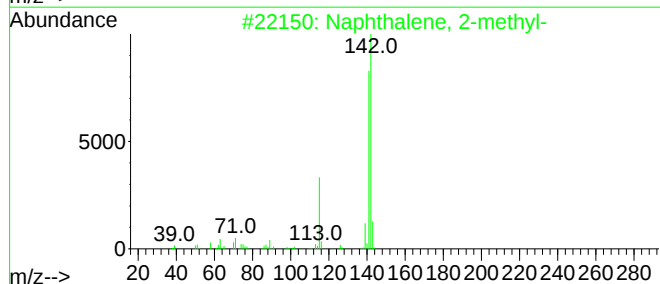
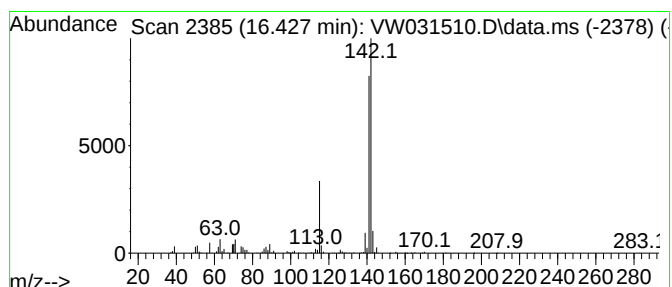
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 35 Naphthalene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.427	6.65 ug/L	857862	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, 1-methyl-		142	C11H10	000090-12-0	95
5	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

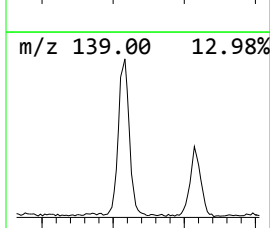
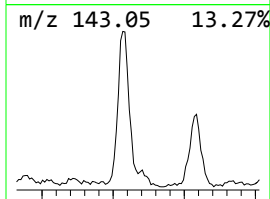
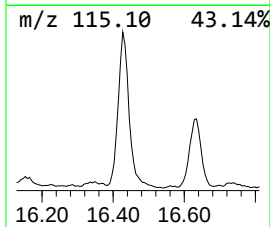
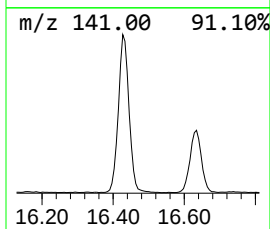
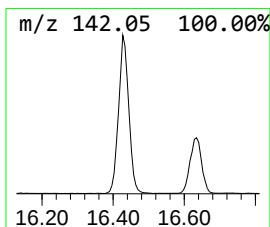
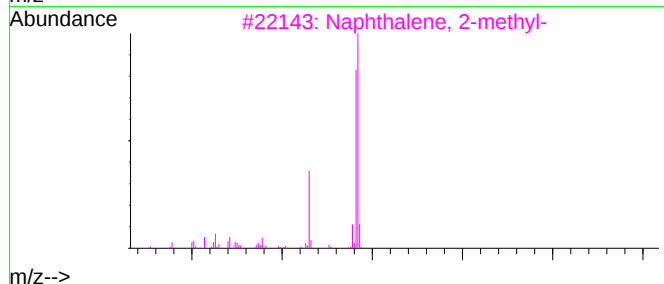
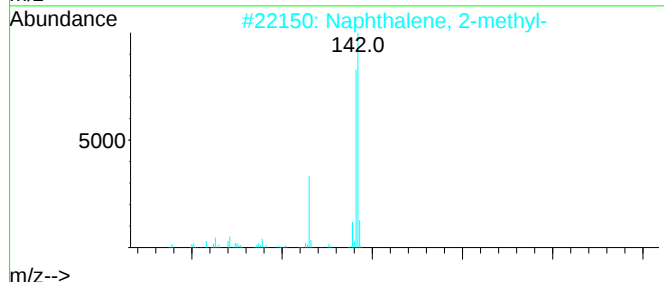
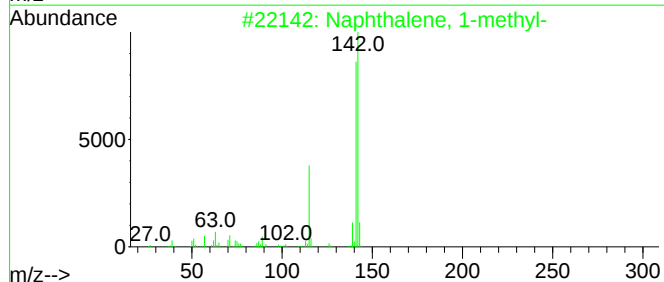
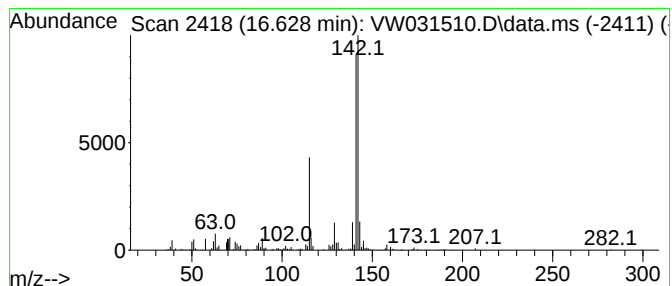
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 36 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.628	3.46 ug/L	445557	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	93
5	Naphthalene, 1-methyl-		142	C11H10	000090-12-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 4.13g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE630

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
1H-Indene, octa...	12.336	3.8	ug/L	469214	2	11.629	3100010	25.0
Benzene, 1-ethy...	13.098	3.6	ug/L	468802	3	13.556	3223140	25.0
p-Cymene	13.434	5.2	ug/L	674102	3	13.556	3223140	25.0
Benzene, 1,4-di...	13.787	6.8	ug/L	873622	3	13.556	3223140	25.0
Benzene, 1-meth...	13.946	3.5	ug/L	449325	3	13.556	3223140	25.0
Benzene, 4-ethy...	14.001	3.9	ug/L	502338	3	13.556	3223140	25.0
o-Cymene	14.031	3.6	ug/L	459589	3	13.556	3223140	25.0
Benzene, 2-ethy...	14.092	6.2	ug/L	798841	3	13.556	3223140	25.0
Benzene, (2-met...	14.153	1.8	ug/L	228817	3	13.556	3223140	25.0
Benzene, 1,2,4,...	14.409	5.0	ug/L	644784	3	13.556	3223140	25.0
Benzene, 1-ethy...	14.446	4.7	ug/L	603159	3	13.556	3223140	25.0
Benzene, 1,3-di...	14.495	1.5	ug/L	194555	3	13.556	3223140	25.0
1H-Indene, 2,3-...	14.635	4.1	ug/L	525590	3	13.556	3223140	25.0
Benzene, 2-ethe...	14.684	4.0	ug/L	521185	3	13.556	3223140	25.0
1,3-Cyclopentad...	14.781	17.4	ug/L	2249700	3	13.556	3223140	25.0
Naphthalene, 1,...	14.952	1.9	ug/L	238965	3	13.556	3223140	25.0
Azulene	15.354	22.8	ug/L	2934650	3	13.556	3223140	25.0
Naphthalene, 2-...	16.427	6.7	ug/L	857862	3	13.556	3223140	25.0
Naphthalene, 1-...	16.628	3.5	ug/L	445557	3	13.556	3223140	25.0