LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Title : SFAM01.0

Signal : TIC: VW019118.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	64	74	87	rBV	175409	353723	15.62%	1.121%
2	2.892	155	162	178	rVB	117859	291972	12.89%	0.926%
3	3.391	237	244	256	rVB4	3810	11416	0.50%	0.036%
4	3.855	311	320	330	rBV4	4538	12764	0.56%	0.040%
5	4.025	336	348	362	rBV	251154	785860	34.70%	2.491%
6	4.141	362	367	378	rVB2	11842	33200	1.47%	0.105%
7	4.922	480	495	515	rBV3	49777	217017	9.58%	0.688%
8	5.446	568	581	599	rBV4	9364	36645	1.62%	0.116%
9	5.781	626	636	651	rVB5	4119	15518	0.69%	0.049%
10	5.946	651	663	674	rVB2	13255	41577	1.84%	0.132%
11	6.440	733	744	751	rBV6	3835	11882	0.52%	0.038%
12	6.726	783	791	803	rVB4	6821	21881	0.97%	0.069%
13	6.885	806	817	824	rBV3	16584	50223	2.22%	0.159%
14	6.988	825	834	842	rBV2	32505	89983	3.97%	0.285%
15	7.086	842	850	856	rBV	44917	126552	5.59%	0.401%
16	7.653	931	943	961	rBV	379032	990358	43.73%	3.140%
17	7.958	979	993	999	rBV4	52933	200150	8.84%	0.635%
18	8.037	999	1006	1016	rVB	69198	175544	7.75%	0.557%
19	8.159	1018	1026	1033	rBV	58085	133104	5.88%	0.422%
20	8.275	1033	1045	1061	rVB2	760804	2264590	100.00%	7.180%
21	8.482	1061	1079	1090	rBV	608630	1709121	75.47%	5.418%
22	8.580	1090	1095	1105	rVB	57162	133441	5.89%	0.423%
23	8.695	1105	1114	1123	rVB4	23378	58093	2.57%	0.184%
24	8.842	1129	1138	1150	rBV	722430	1458479	64.40%	4.624%
25	8.933	1150	1153	1159	rVB3	9992	16678	0.74%	0.053%
26	9.073	1169	1176	1179	rBV5	16168	30310	1.34%	0.096%
27	9.122	1179	1184	1194	rVB3	22278	53100	2.34%	0.168%
28	9.275	1200	1209	1215	rBV	521403	1139238	50.31%	3.612%
29	9.335	1215	1219	1225	rVV2	201440	423963	18.72%	1.344%
30	9.384	1225	1227	1234	rVB3	54706	85549	3.78%	0.271%
31	9.470	1234	1241	1246	rBV	50474	107356	4.74%	0.340%
32	9.518	1246	1249	1254	rVB3	21084	35297	1.56%	0.112%
33	9.610	1255	1264	1270	rVB3	31922	73767	3.26%	0.234%
34	9.762	1278	1289	1297	rBV	348054	692135	30.56%	2.194%
35	9.896	1297	1311	1318	rBV2	461058	1065237	47.04%	3.377%
36	9.957	1318	1321	1325	rVV2	17300	27883	1.23%	0.088%

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Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Title : SFAM01.0

37	10.037	1328	1334	1339	rVV	260912	457413	20.20%	1.450%
38	10.085	1339	1342	1349	rVB3	32773	61740	2.73%	0.196%
39	10.207	1356	1362	1364	rBV3	13713	24045	1.06%	0.076%
40	10.250	1364	1369	1374	rVB2	53063	95805	4.23%	0.304%
41	10.323	1374	1381	1390	rBV	1055187	1892524	83.57%	6.000%
42	10.500	1404	1410	1417	rVB7	17984	50866	2.25%	0.161%
43	10.579	1417	1423	1433	rVV	161078	274580	12.12%	0.871%
44	10.665	1433	1437	1440	rVV2	12990	22512	0.99%	0.071%
45	10.701	1440	1443	1447	rVV	16567	29990	1.32%	0.095%
46	10.744	1447	1450	1459	rVV4	17997	46736	2.06%	0.148%
47	10.829	1459	1464	1472	rVB3	10546	26376	1.16%	0.084%
48	10.927	1472	1480	1498	rBV	197812	353527	15.61%	1.121%
49	11.067	1498	1503	1509	rBV2	19752	33478	1.48%	0.106%
50	11.439	1559	1564	1574	rVB2	12921	25933	1.15%	0.082%
51	11.634	1587	1596	1607	rBV	830872	1410292	62.28%	4.471%
52	11.841	1622	1630	1642	rVB4	7457	20475	0.90%	0.065%
53	12.164	1672	1683	1691	rBV	23328	41859	1.85%	0.133%
54	12.463	1726	1732	1737	rBV3	8304	14732	0.65%	0.047%
55	12.603	1748	1755	1761	rBV3	27982	51818	2.29%	0.164%
56	12.695	1763	1770	1777	rVB	296166	493929	21.81%	1.566%
57	12.865	1792	1798	1801	rBV6	6599	11545	0.51%	0.037%
58	12.932	1801	1809	1821	rVB5	20446	54541	2.41%	0.173%
59	13.103	1830	1837	1844	rBV	15826	31385	1.39%	0.100%
60	13.298	1864	1869	1872	rBV5	13112	23803	1.05%	0.075%
61	13.554	1905	1911	1926	rBV	617952	1060666	46.84%	3.363%
62	13.713	1931	1937	1940	rBV4	14096	23876	1.05%	0.076%
63	13.755	1940	1944	1947	rBV3	18393	30272	1.34%	0.096%
64	13.792	1947	1950	1954	rVB3	18443	25002	1.10%	0.079%
65	13.853	1954	1960	1970	rBV	579458	976963	43.14%	3.097%
66	13.951	1972	1976	1982	rBV	25386	38502	1.70%	0.122%
67	14.011	1982	1986	1988	rBV3	12622	19241	0.85%	0.061%
68	14.097	1992	2000	2006	rVB2	92030	161480	7.13%	0.512%
69	14.207	2012	2018	2023	rVB3	98800	165558	7.31%	0.525%
70	14.249	2023	2025	2028	rBV	9072	14272	0.63%	0.045%
71	14.286	2028	2031	2034	rVB2	14252	16438	0.73%	0.052%
72	14.335	2034	2039	2044	rBV2	46914	87684	3.87%	0.278%
73	14.383	2044	2047	2049	rBV2	27964	38987	1.72%	0.124%
74	14.420	2049	2053	2056	rVB	70718	93216	4.12%	0.296%
75	14.457	2056	2059	2062	rVB	43063	53047	2.34%	0.168%
76	14.499	2062	2066	2069	rBV	80853	108867	4.81%	0.345%

LSC Area Percent Report

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Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Title : SFAM01.0

77	14.542	2069	2073	2080	rVB4	49585	105817	4.67%	0.335%
78	14.639	2080	2089	2092	rBV4	55839	110137	4.86%	0.349%
79	14.688	2092	2097	2101	rBV	113855	193303	8.54%	0.613%
80	14.731	2101	2104	2108	rVB2	83479	110980	4.90%	0.352%
81	14.804	2108	2116	2121	rBV4	439407	1109629	49.00%	3.518%
82	14.853	2121	2124	2135	rVB3	78172	146521	6.47%	0.465%
83	14.956	2136	2141	2148	rBV	237949	378944	16.73%	1.201%
84	15.060	2148	2158	2162	rBV2	258413	579007	25.57%	1.836%
85	15.176	2170	2177	2184	rVB3	274517	624202	27.56%	1.979%
86	15.322	2195	2201	2204	rBV5	86319	169736	7.50%	0.538%
87	15.359	2205	2207	2211	rVB2	69670	90630	4.00%	0.287%
88	15.420	2211	2217	2221	rBV	190451	360114	15.90%	1.142%
89	15.469	2221	2225	2228	rBV3	110712	188152	8.31%	0.597%
90	15.658	2248	2256	2262	rBV3	226171	510632	22.55%	1.619%
91	15.725	2264	2267	2271	rVV3	53249	103330	4.56%	0.328%
92	15.822	2272	2283	2285	rVV4	172460	519987	22.96%	1.649%
93	15.859	2285	2289	2298	rVV	405041	846440	37.38%	2.684%
94	15.944	2298	2303	2308	rVV3	127882	276132	12.19%	0.875%
95	16.017	2308	2315	2329	rVB4	178765	641608	28.33%	2.034%
96	16.176	2332	2341	2356	rBV3	260814	748777	33.06%	2.374%
97	16.371	2363	2373	2378	rBV2	290880	699932	30.91%	2.219%
98	16.438	2378	2384	2397	rVB	290451	731509	32.30%	2.319%
99	16.639	2409	2417	2424	rBV4	307159	810914	35.81%	2.571%
100	16.779	2436	2440	2441	rBV2	35231	48367	2.14%	0.153%

Sum of corrected areas: 31542381

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
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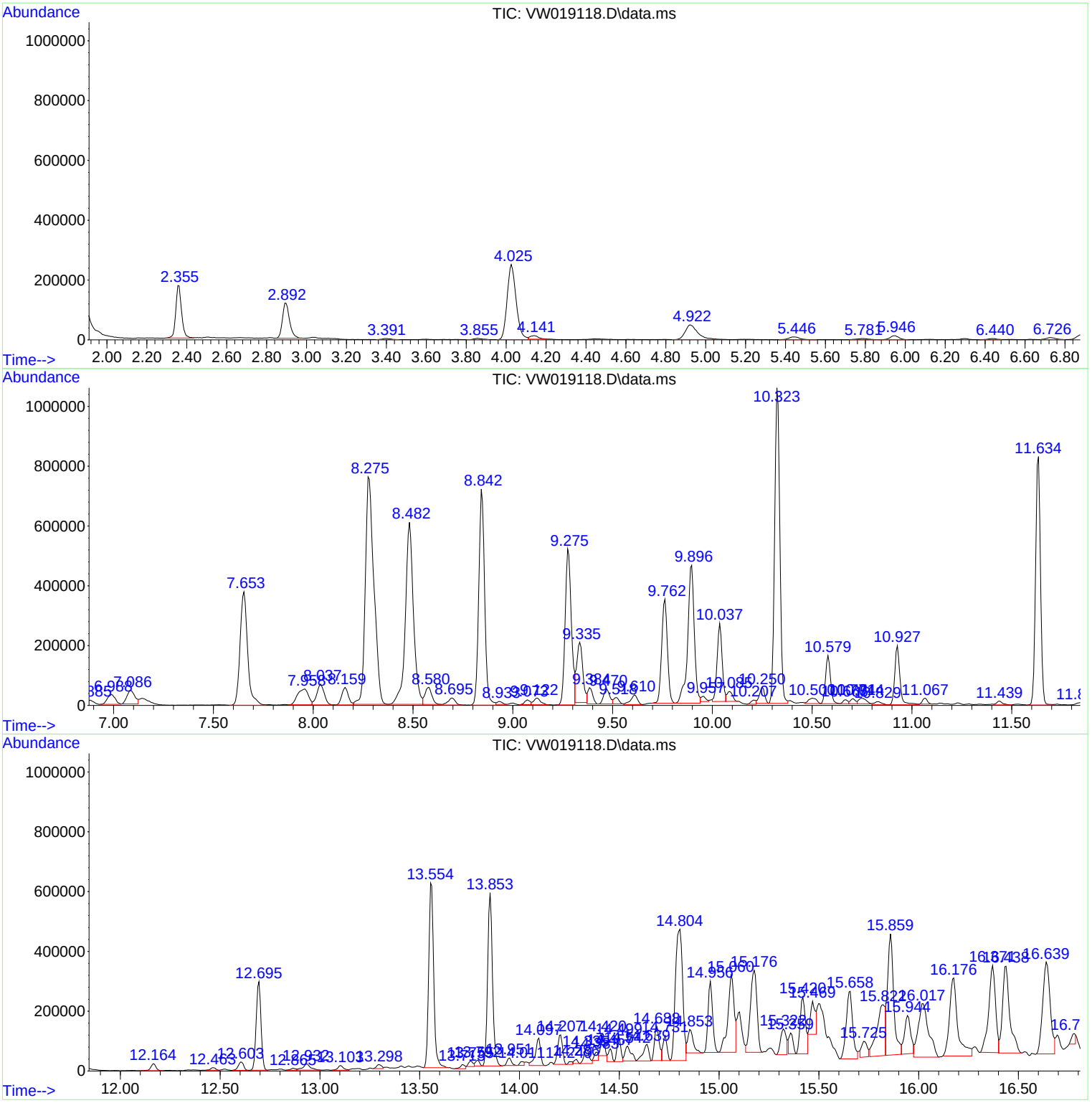
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

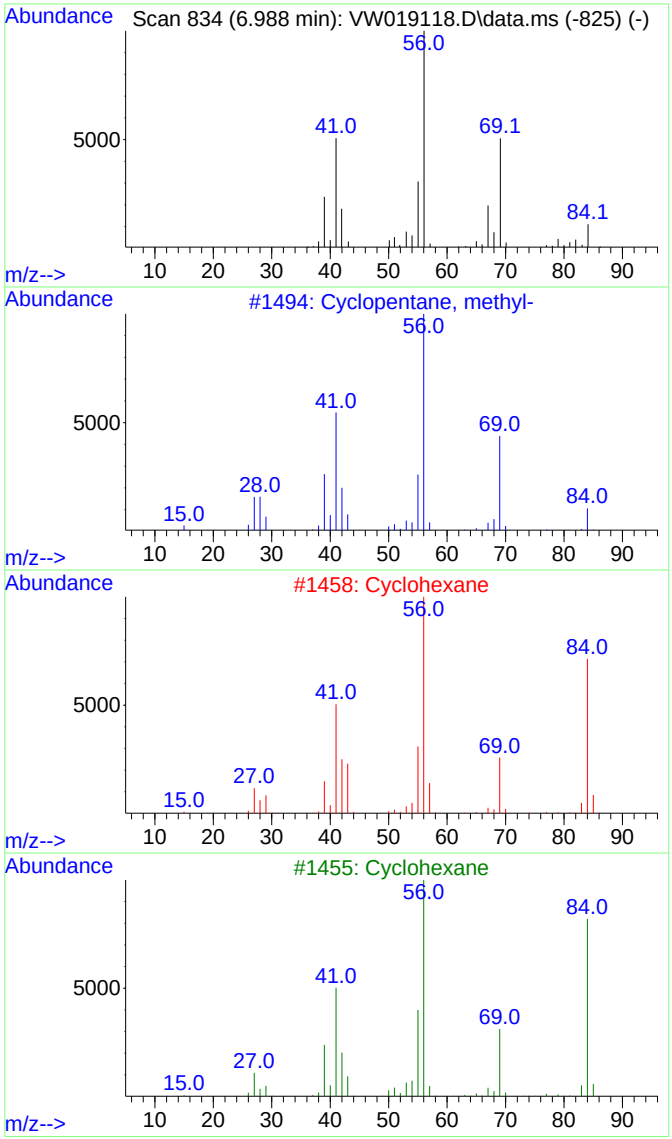
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

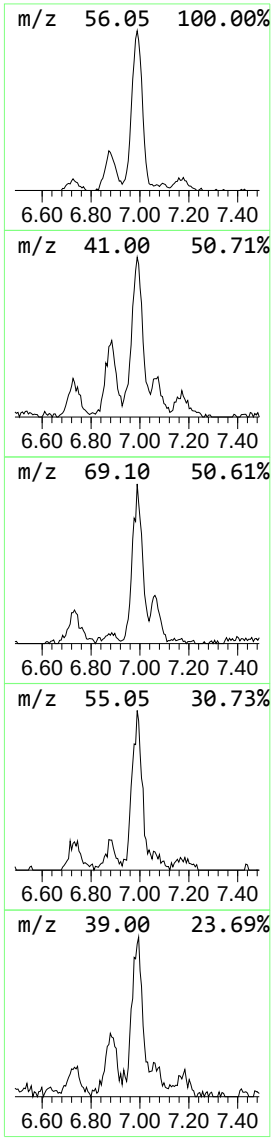
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic6.988 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	1.54 ug/L	89983	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclohexane	84	C6H12	000110-82-7	59
3	Cyclohexane	84	C6H12	000110-82-7	59
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	58
5	Cyclobutane	56	C4H8	000287-23-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

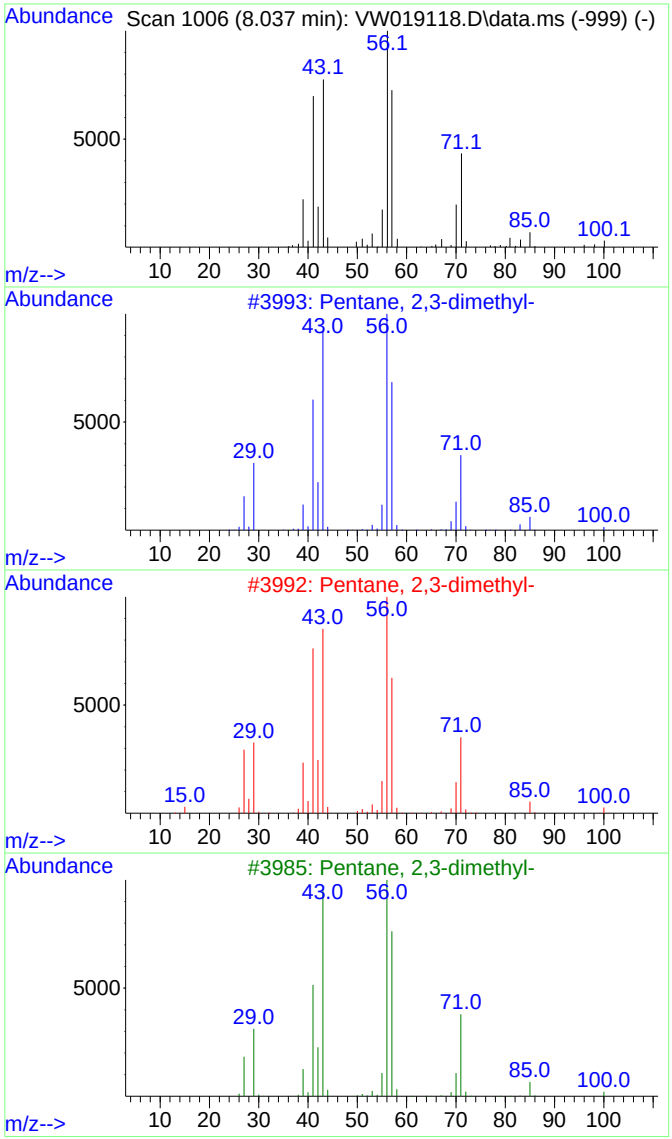
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

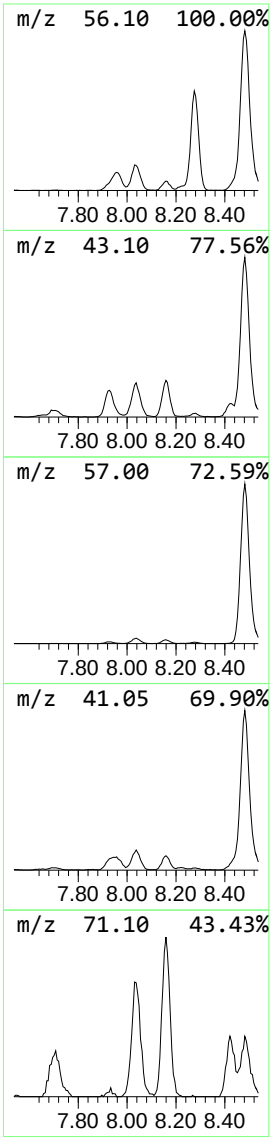
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	3.01 ug/L	175544	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5	Heptane	100	C7H16	000142-82-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
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Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

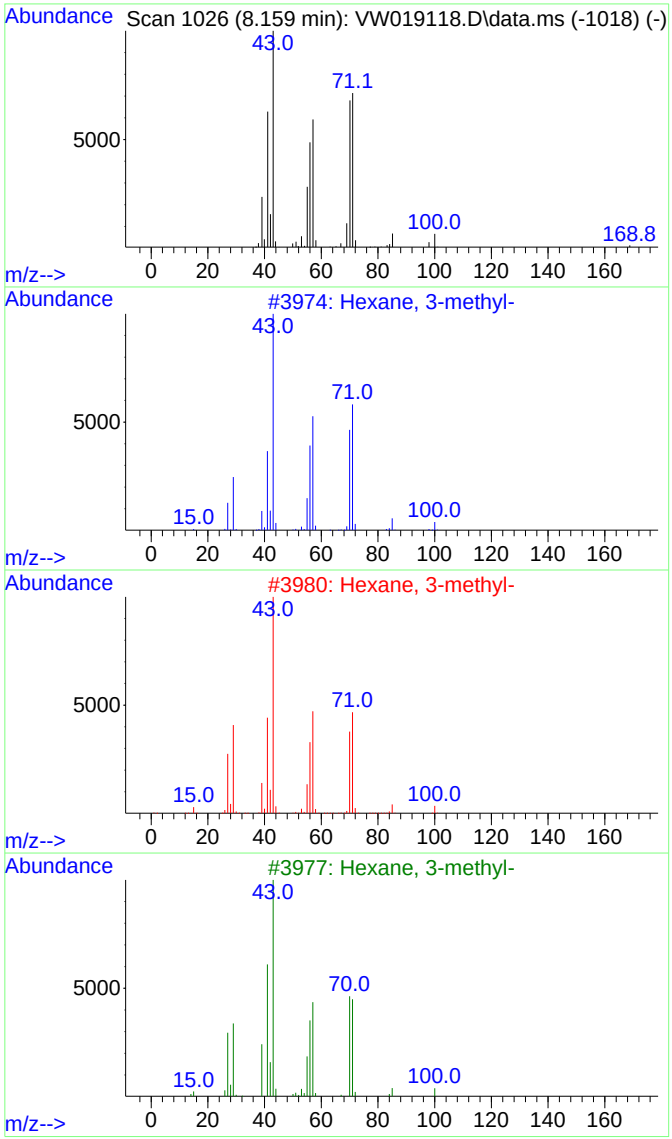
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

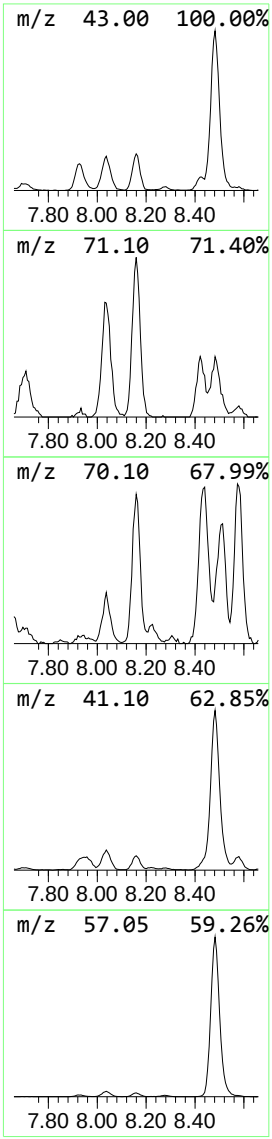
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	2.28 ug/L	133104	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	68
4	Heptane	100	C7H16	000142-82-5	58
5	Heptane	100	C7H16	000142-82-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
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Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

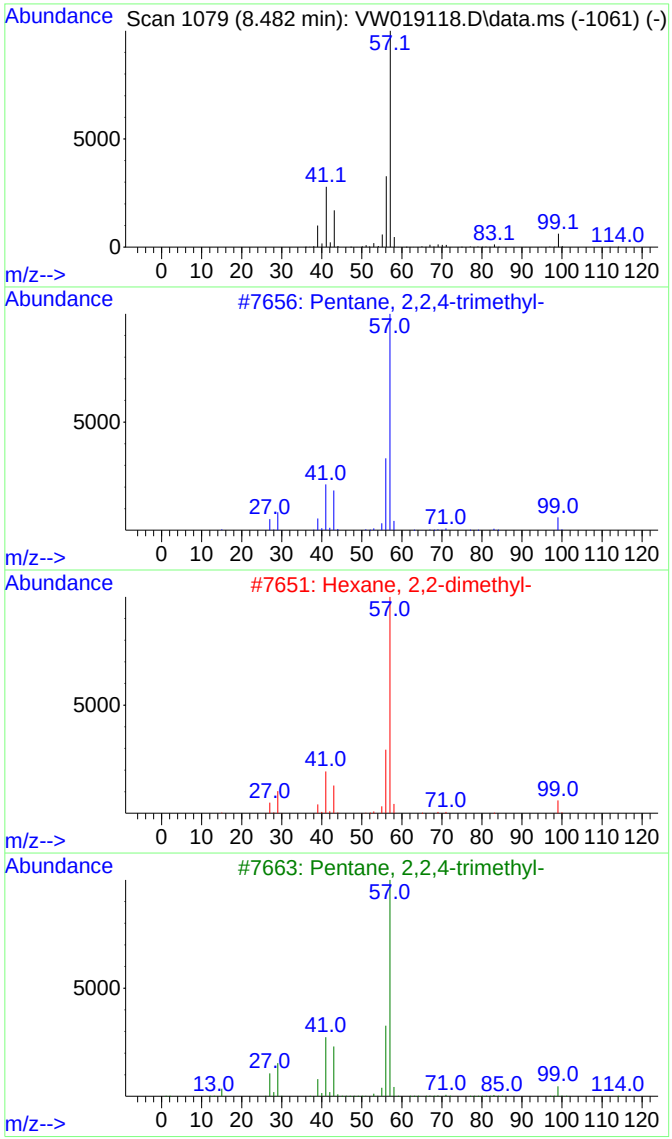
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

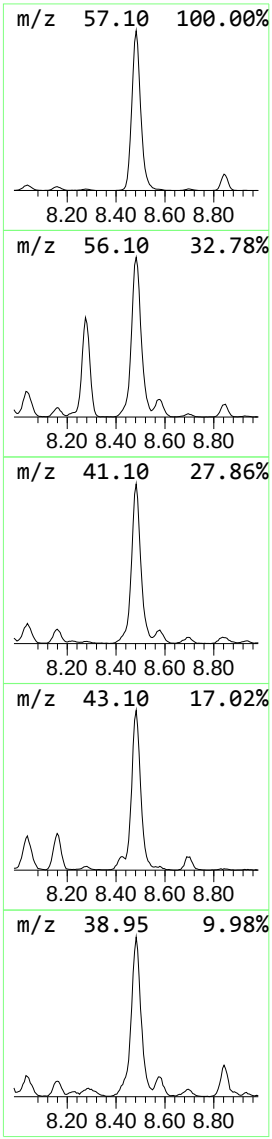
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	29.30 ug/L	1709120	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

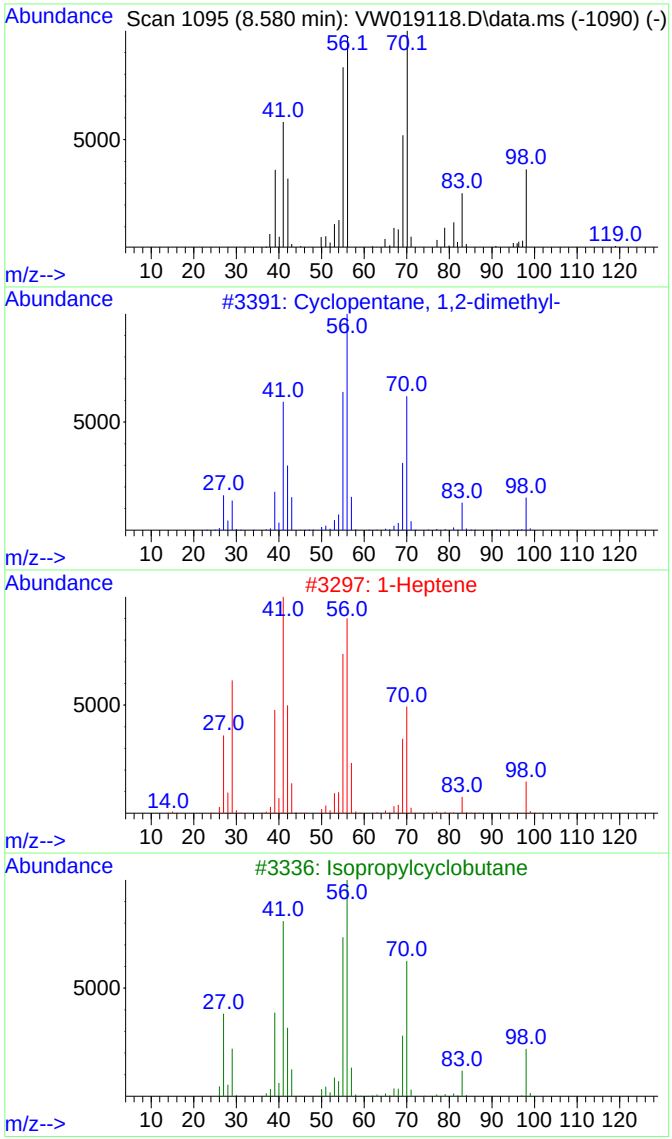
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

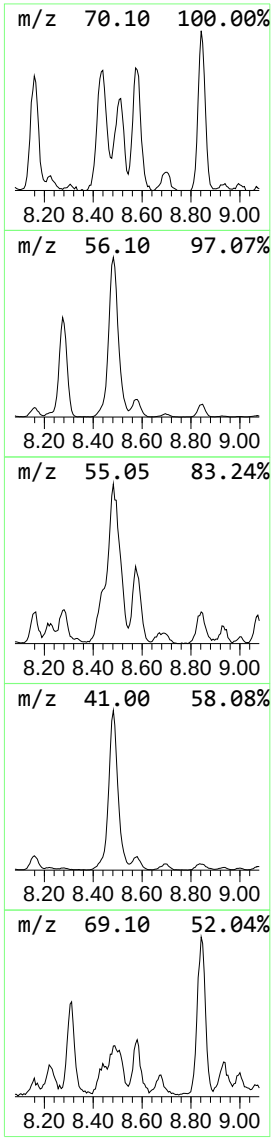
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic8.580 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.580	2.29 ug/L	133441	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
2	1-Heptene	98	C7H14	000592-76-7	87
3	Isopropylcyclobutane	98	C7H14	000872-56-0	72
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

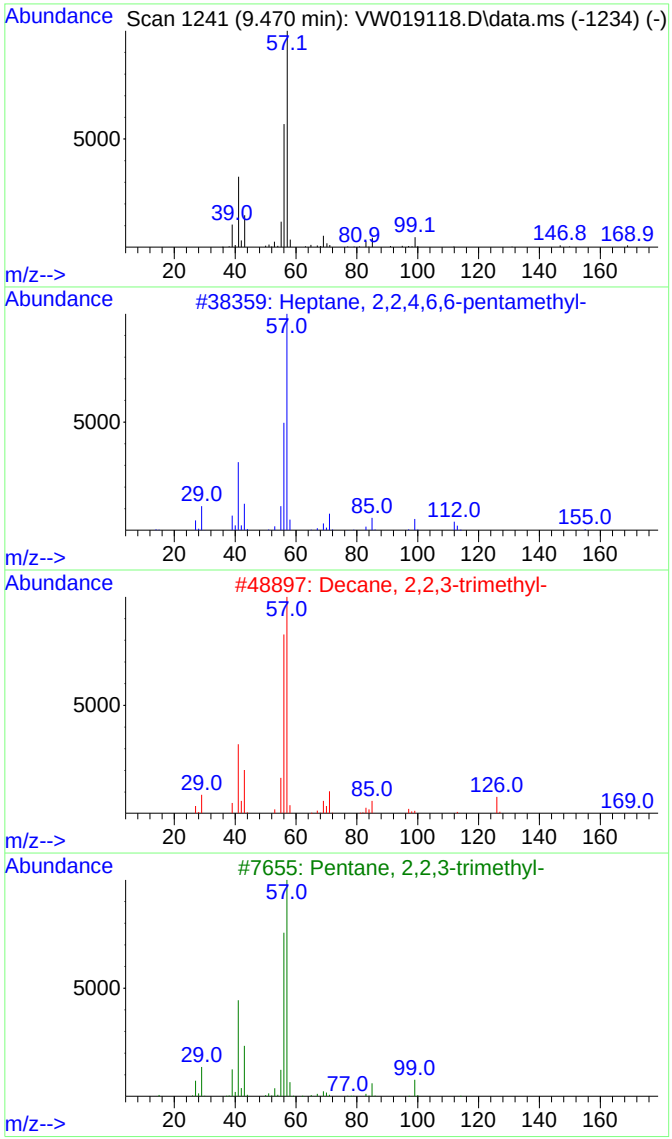
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

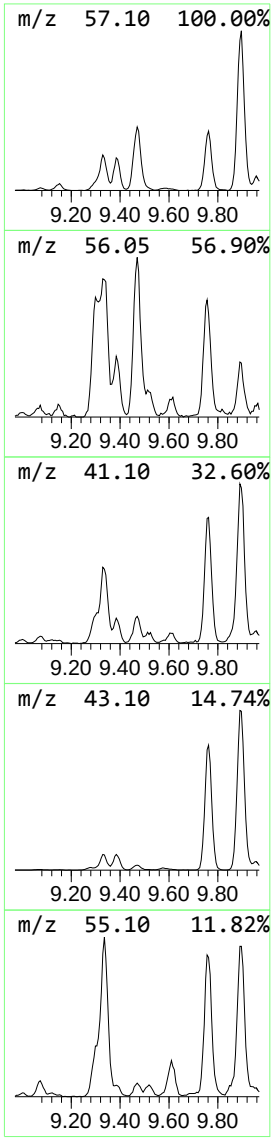
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.470	1.84 ug/L	107356	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
2	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	64
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	59
4	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	56





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

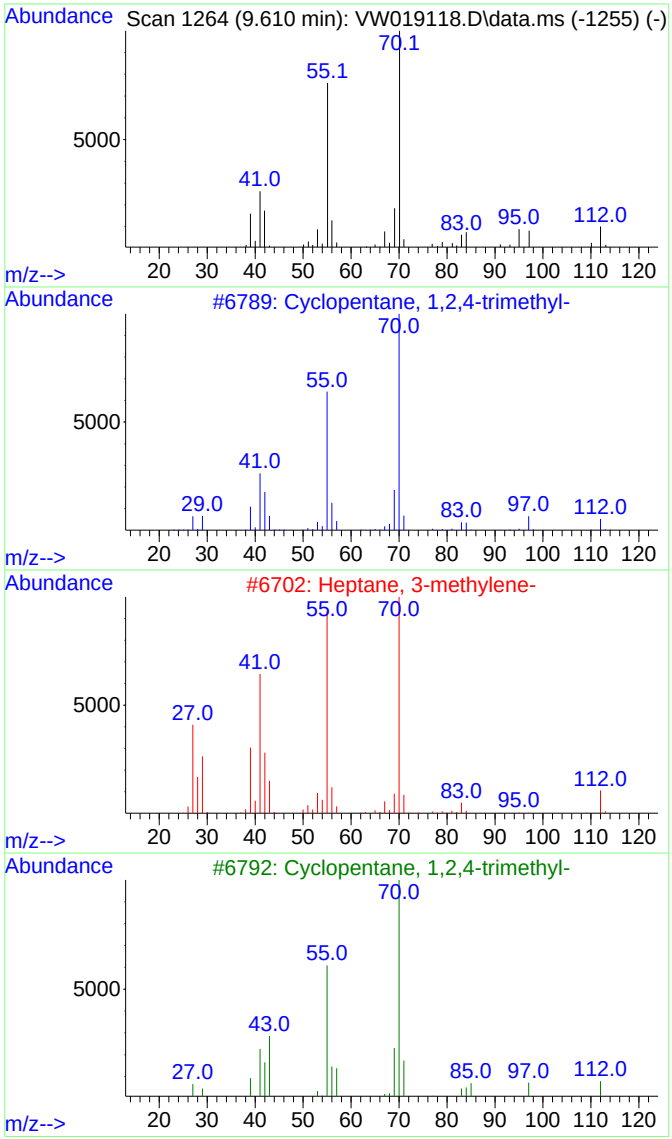
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

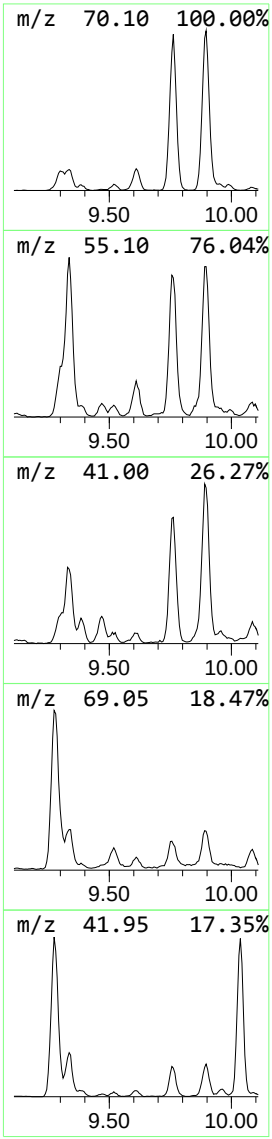
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.610 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	1.26 ug/L	73767	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	80
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

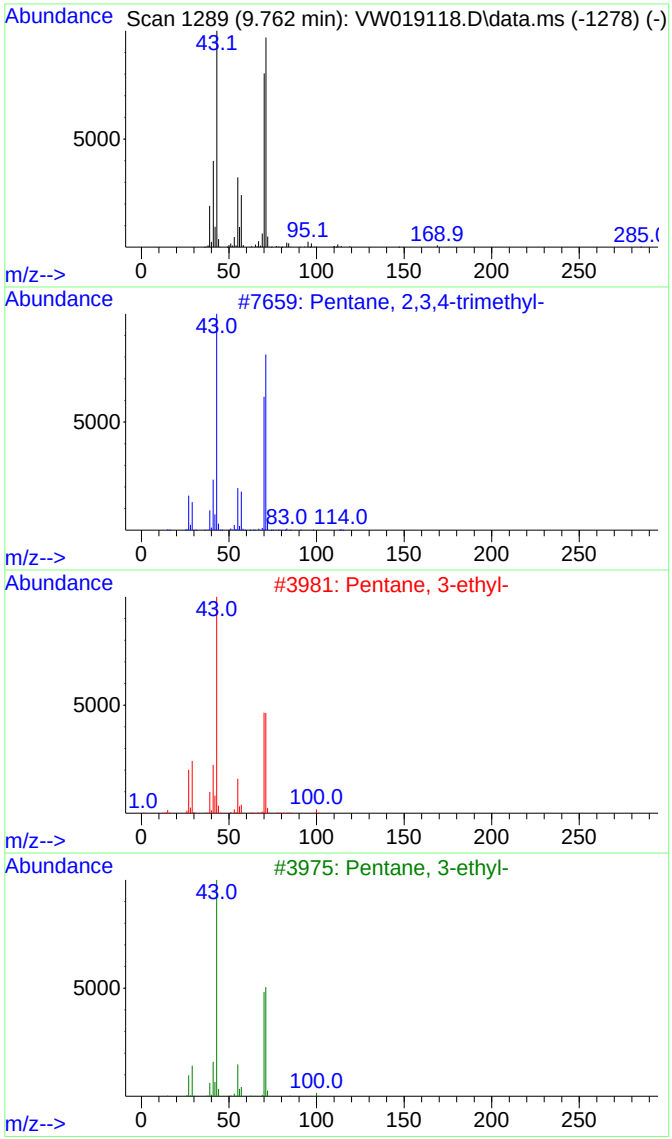
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

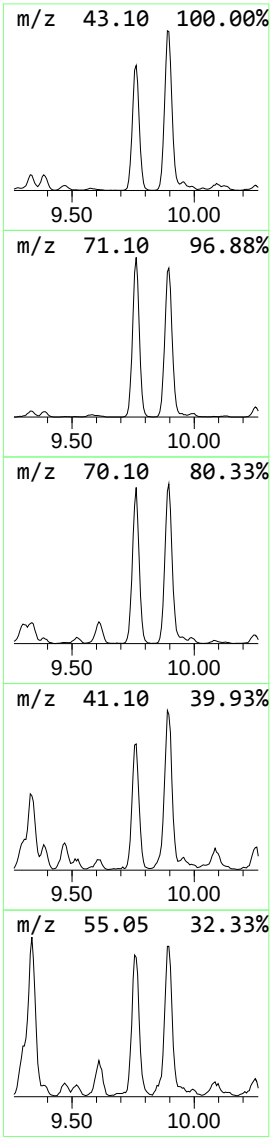
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	11.86 ug/L	692135	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

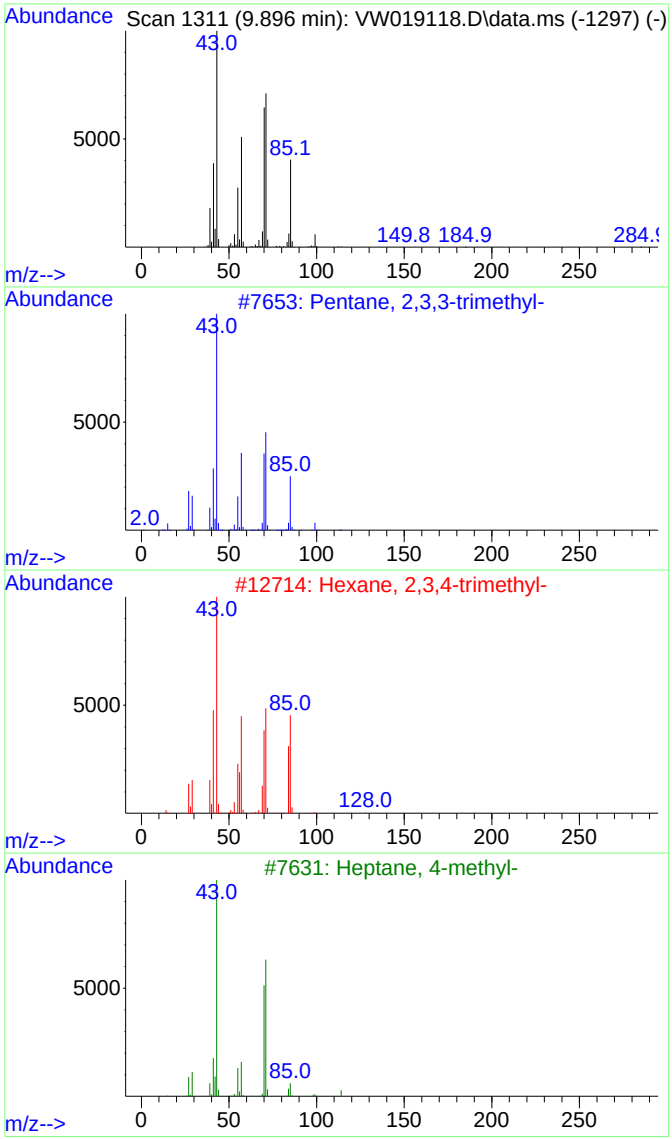
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

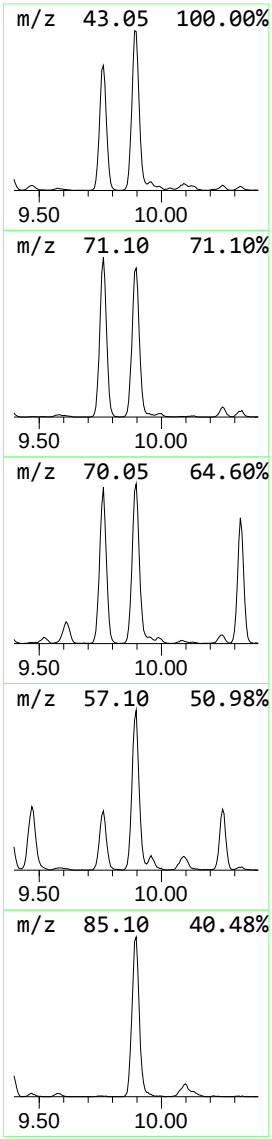
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	18.26 ug/L	1065240	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

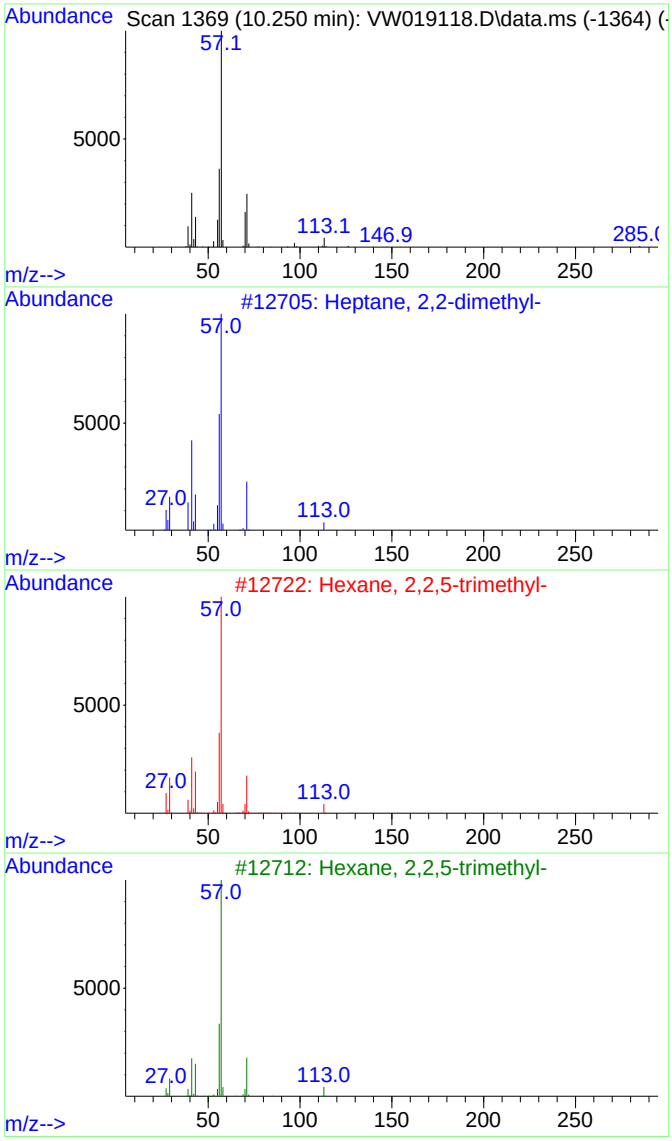
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

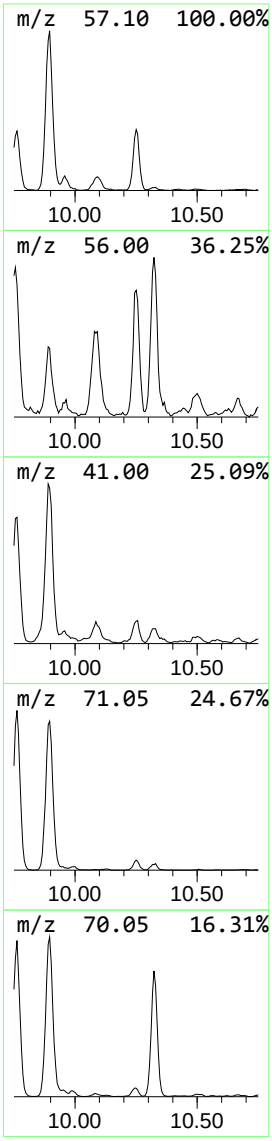
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	1.70 ug/L	95805	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

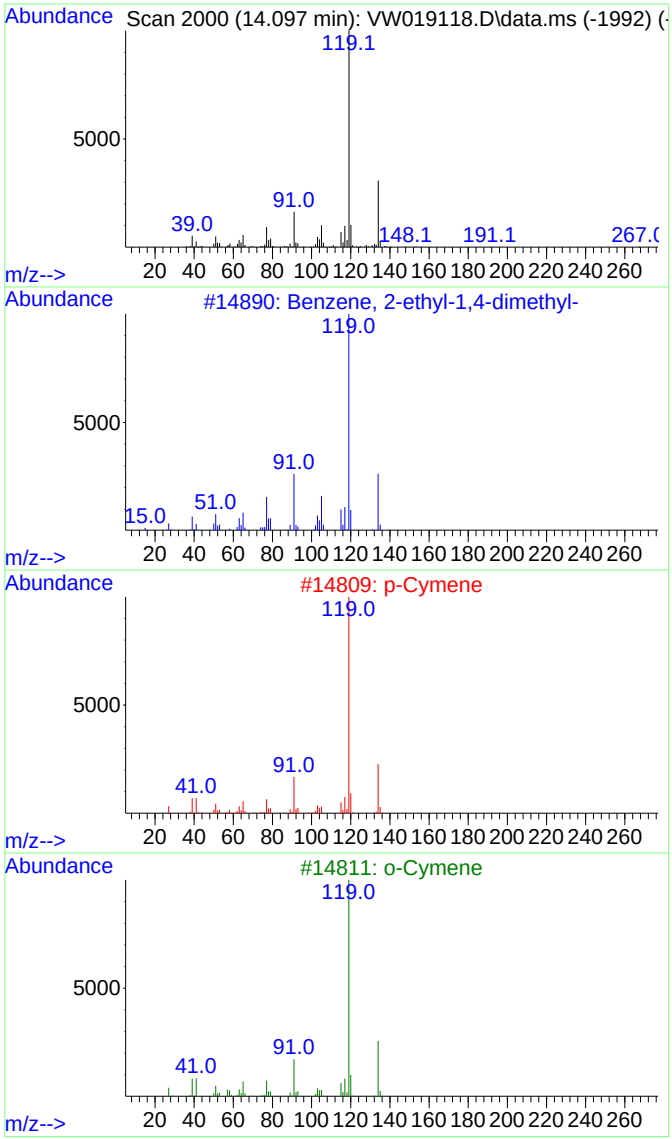
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

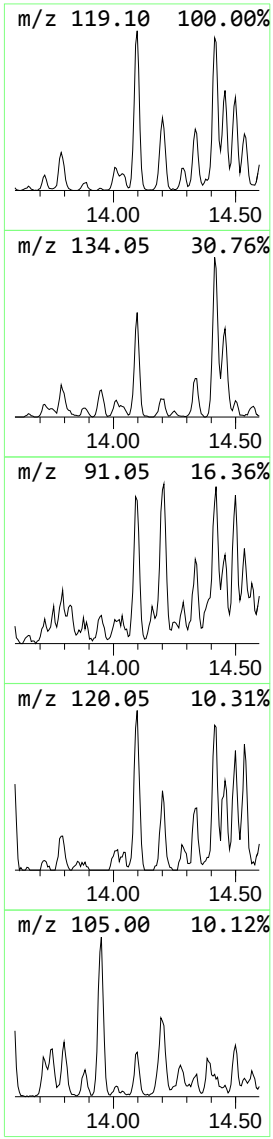
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	3.81 ug/L	161480	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	p-Cymene	134	C10H14	000099-87-6	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

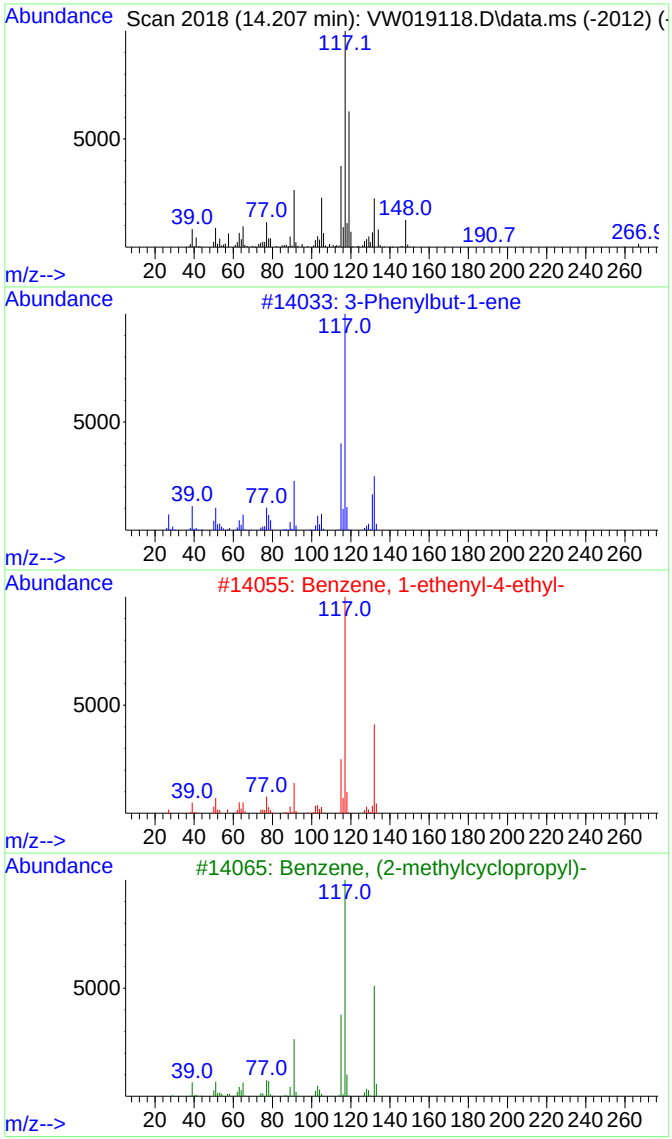
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

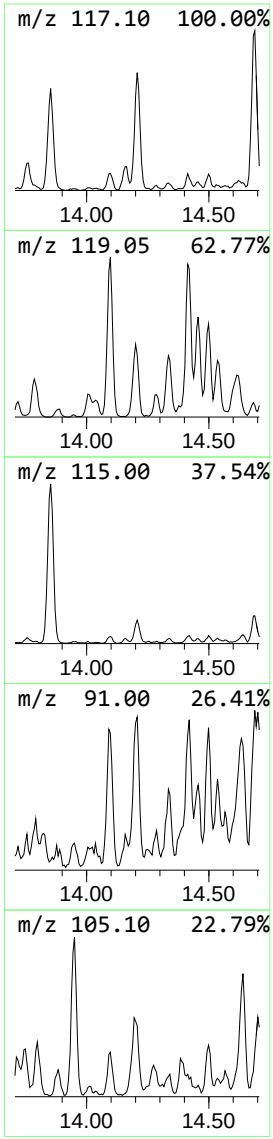
****

Peak Number 14 3-Phenylbut-1-ene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	3.90 ug/L	165558	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	58
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

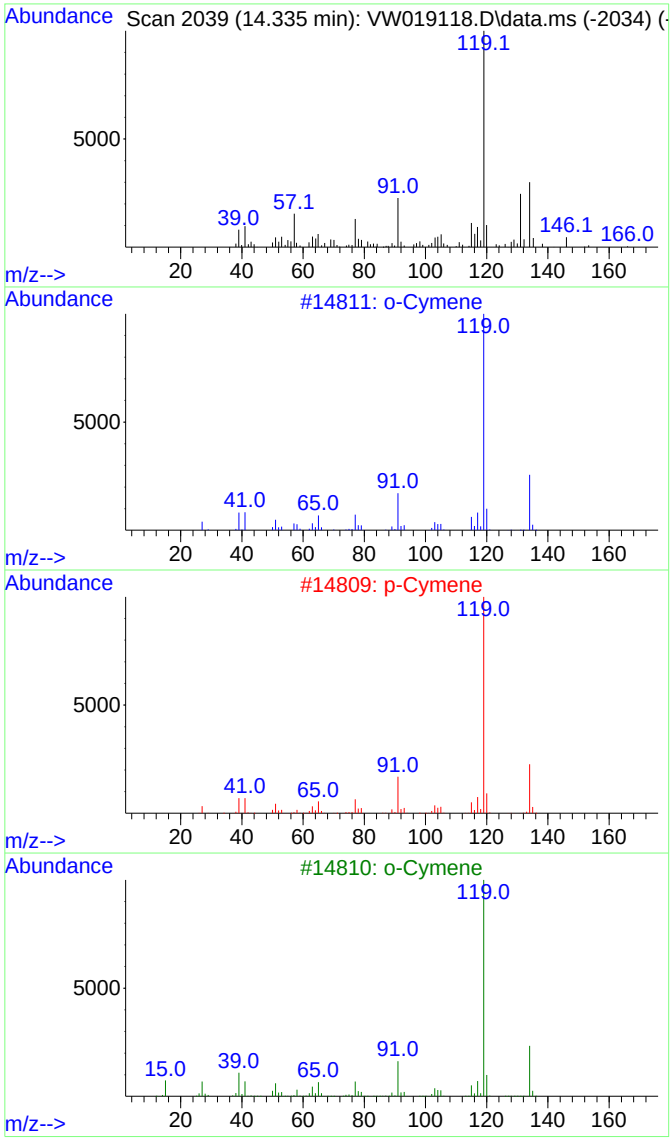
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

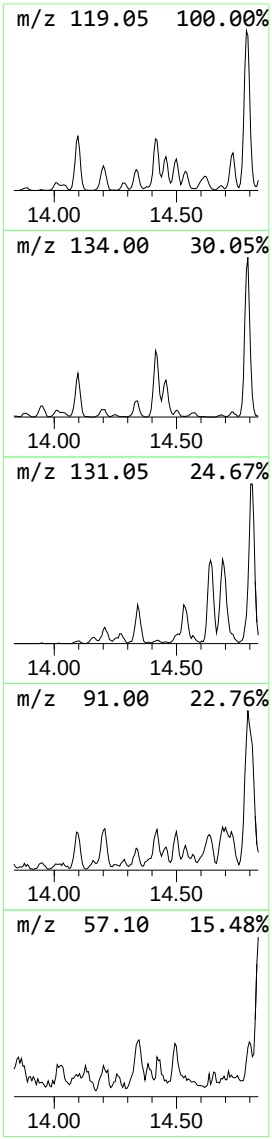
****

Peak Number 15 o-Cymene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	2.07 ug/L	87684	1,4-Dichlorobenzene-d4	13.560

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	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	89
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

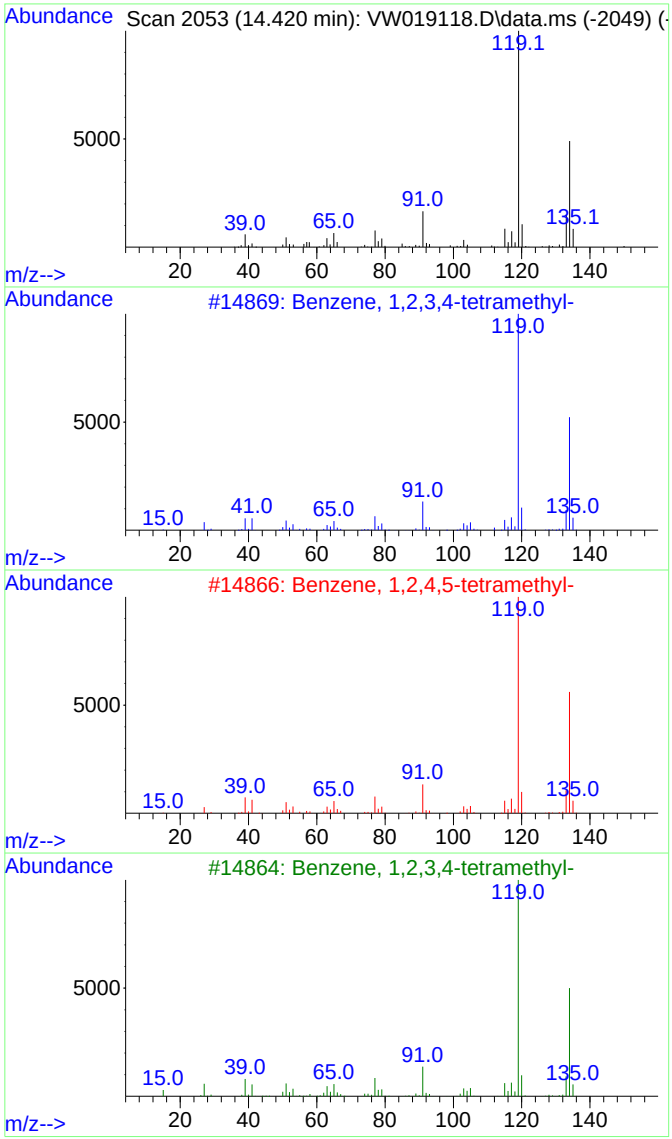
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

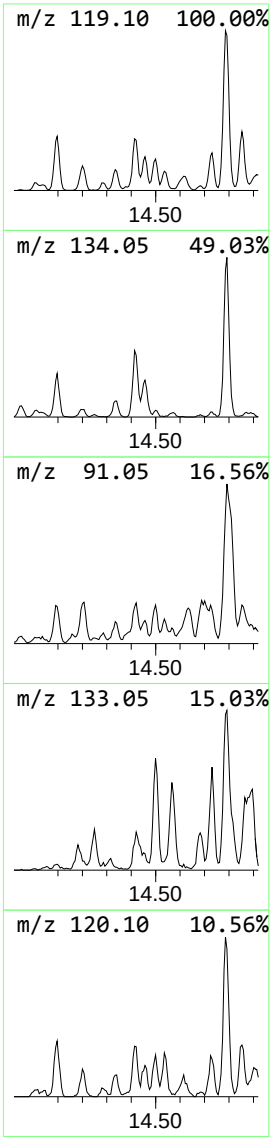
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	2.20 ug/L	93216	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

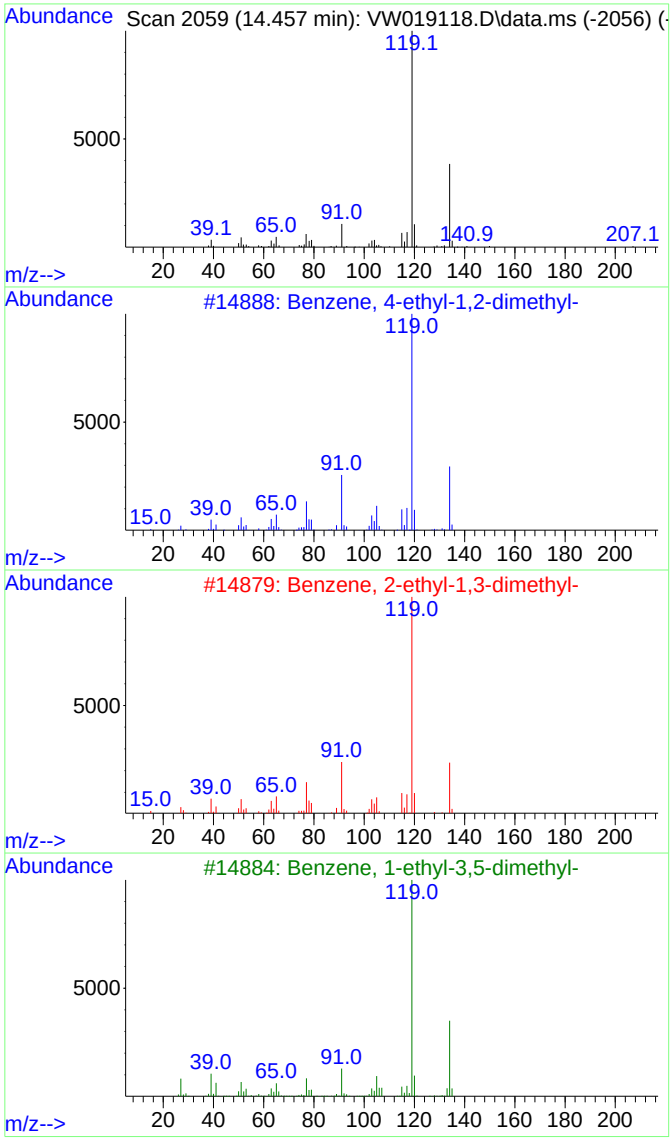
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

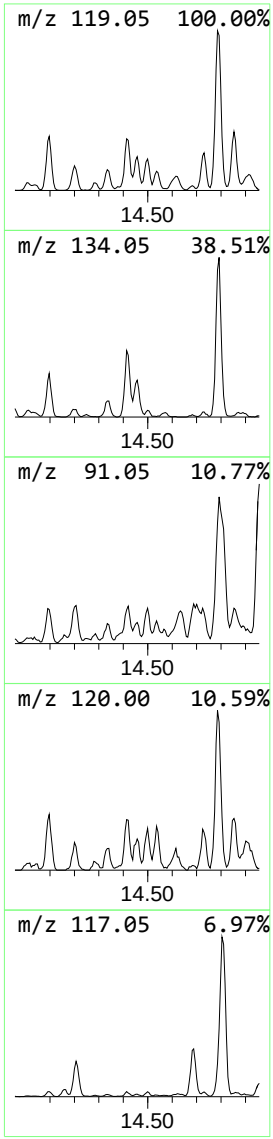
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	1.25 ug/L	53047	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

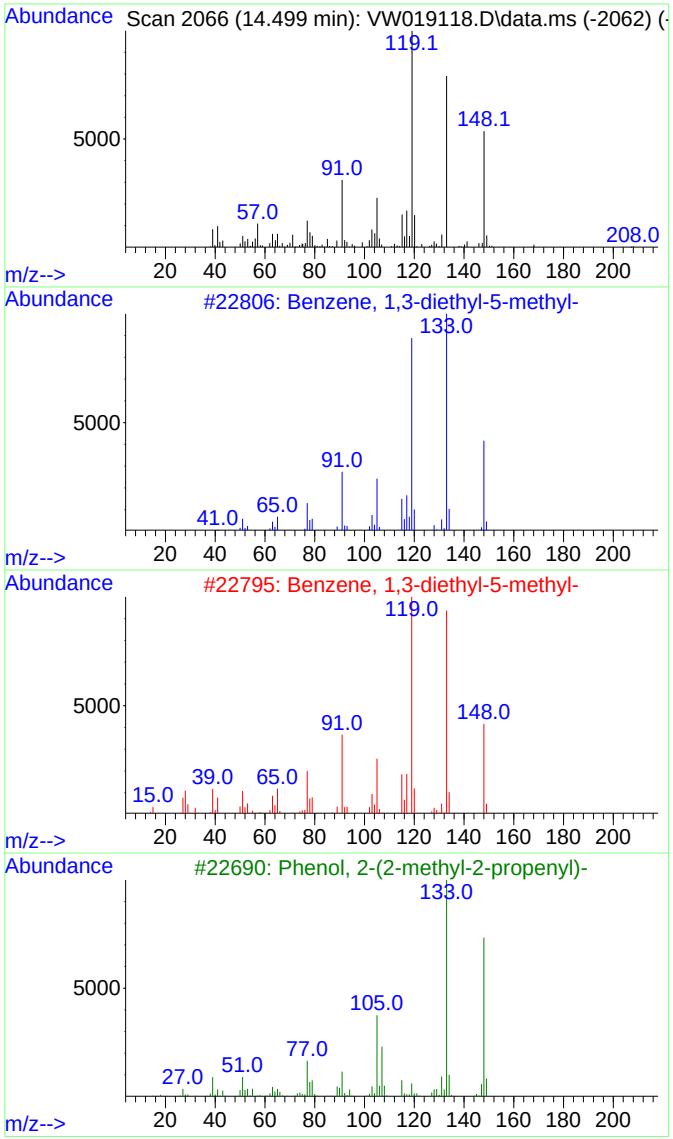
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

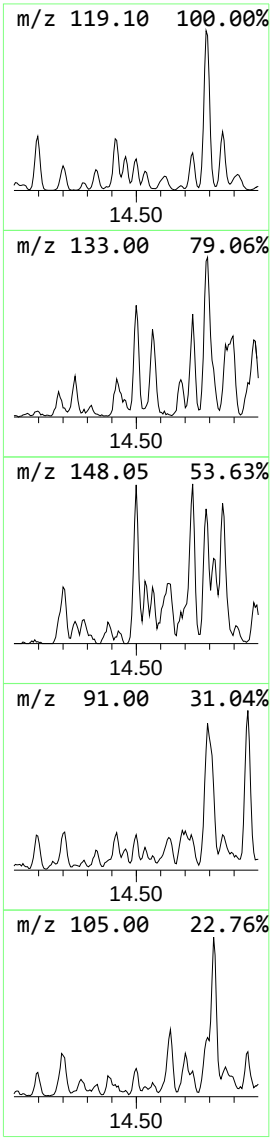
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	2.57 ug/L	108867	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	49
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	43
5	Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	43





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

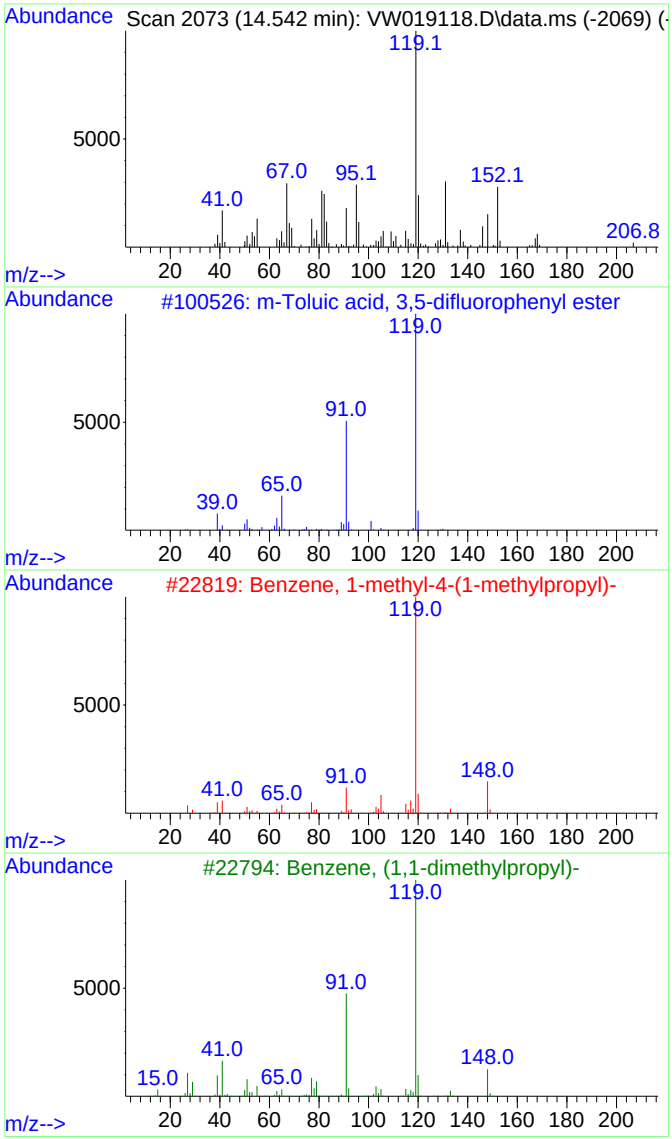
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

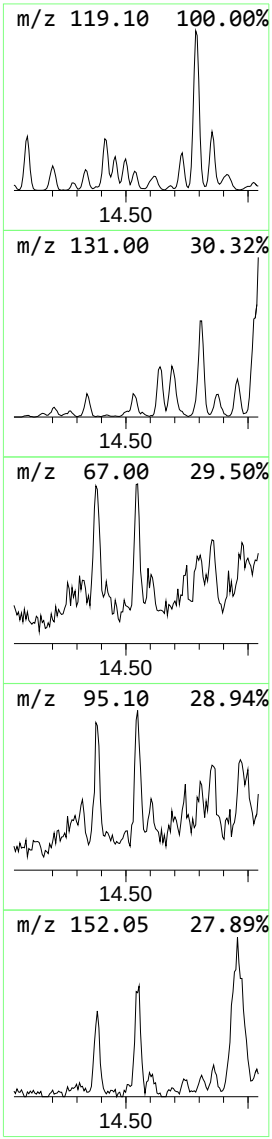
****

Peak Number 19 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	2.49 ug/L	105817	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Toluic acid, 3,5-difluoropheny...	248	C14H10F2O2	1000293-76-6	27
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	27
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
4	Propane, 2-cyclohexyl-2-phenyl-	202	C15H22	025683-97-0	27
5	Cyclohexanol, 5-methyl-2-(1-meth...	232	C16H24O	134256-18-1	25





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Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

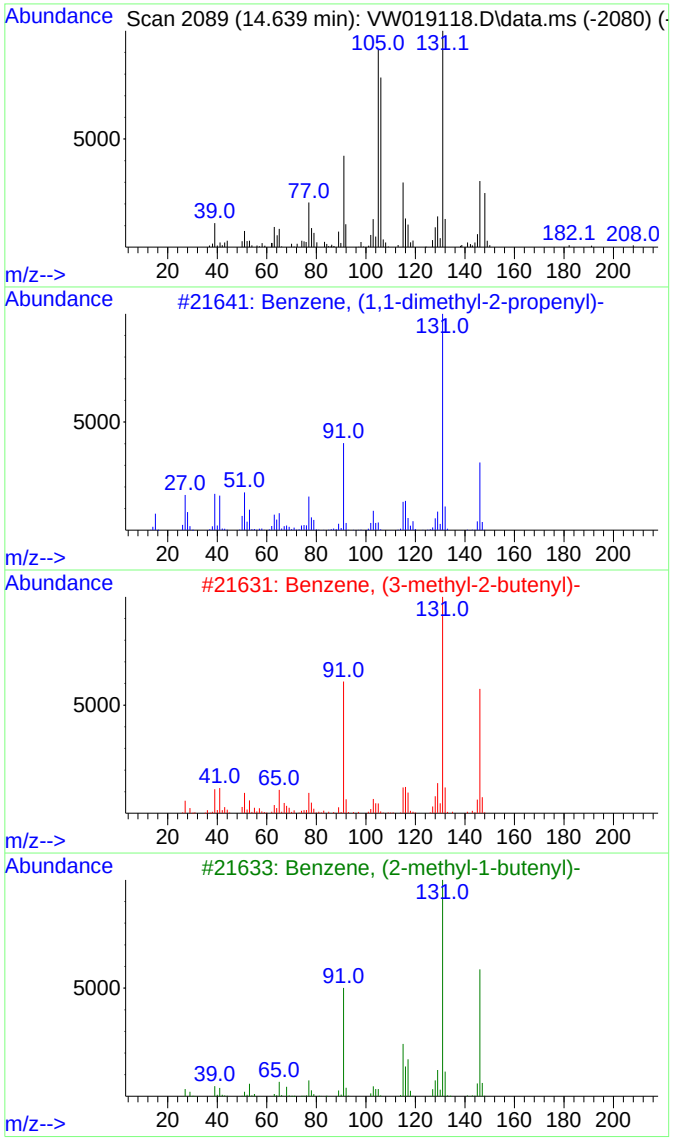
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

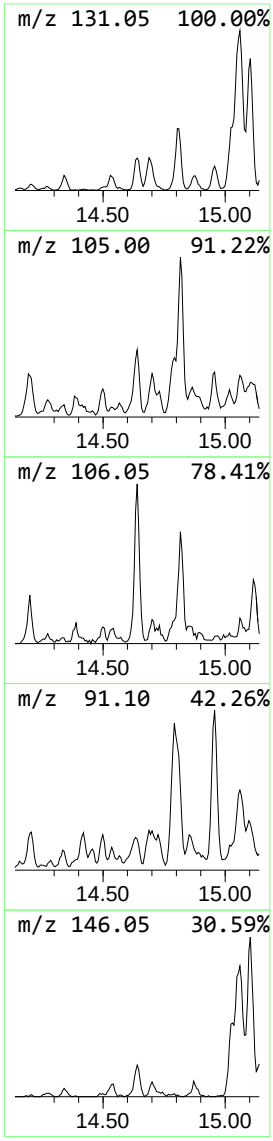
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, (1,1-dimethyl-2-pr... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	2.60 ug/L	110137	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	78
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

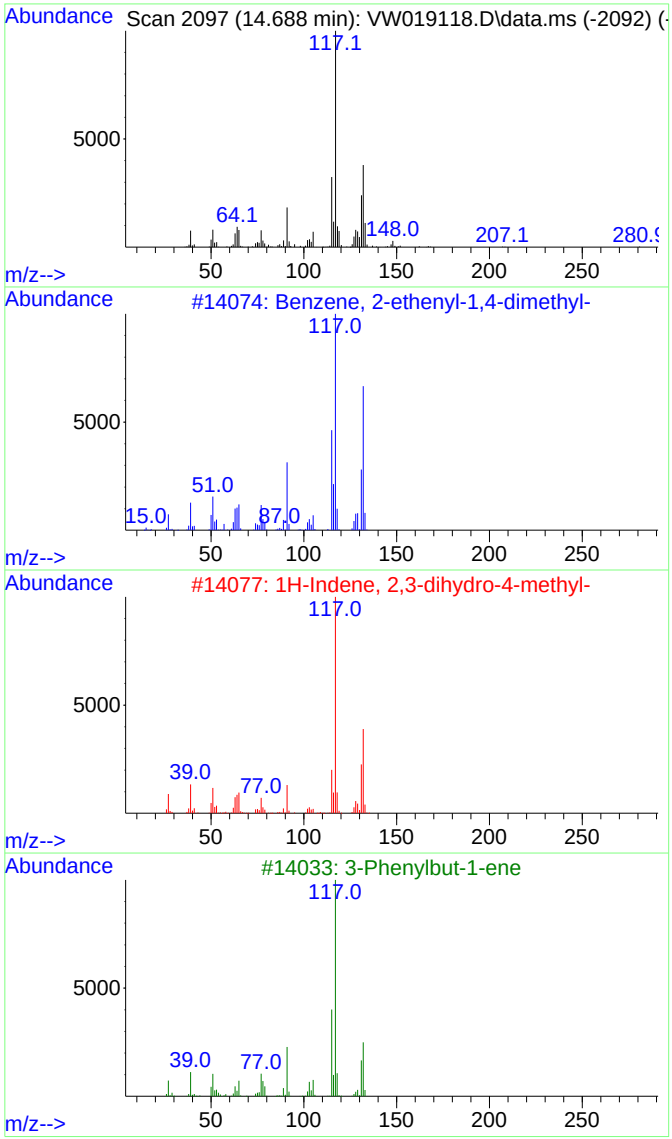
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

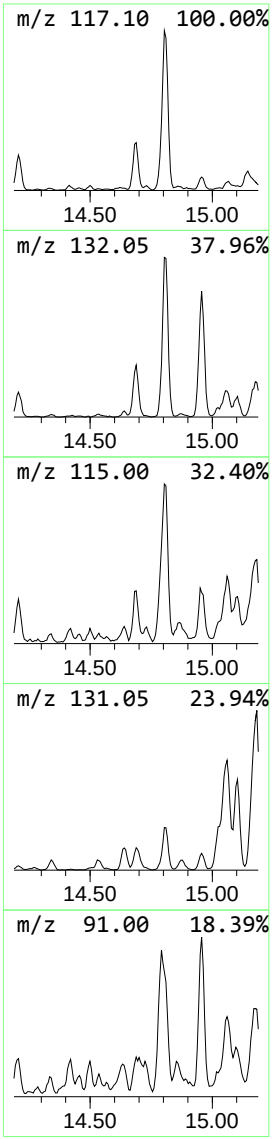
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	4.56 ug/L	193303	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

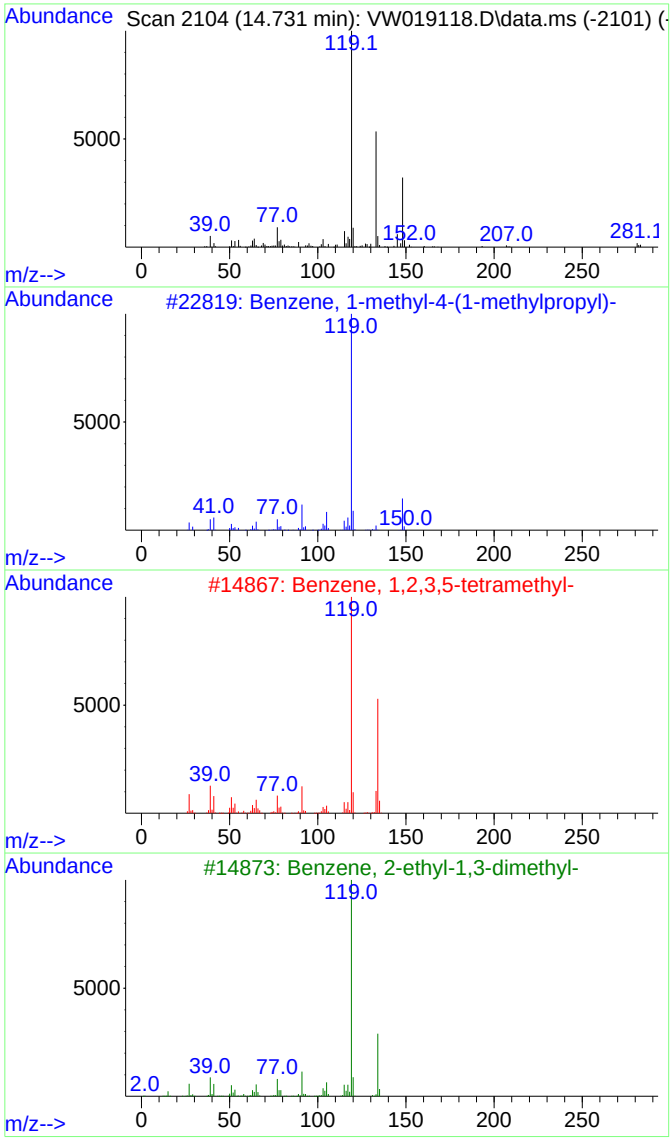
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

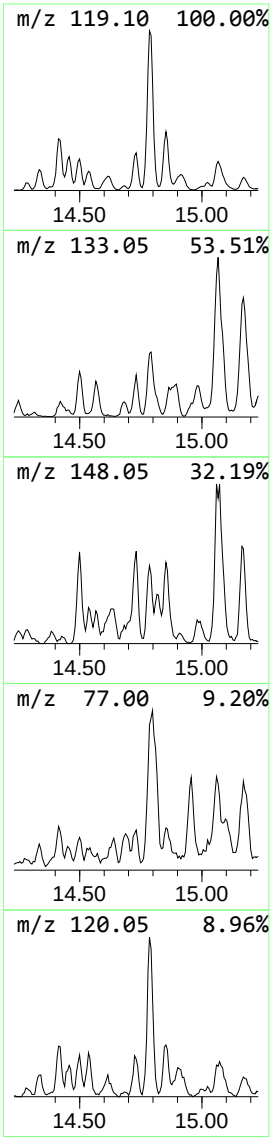
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-methyl-4-(1-meth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	2.62 ug/L	110980	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	49
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	47
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

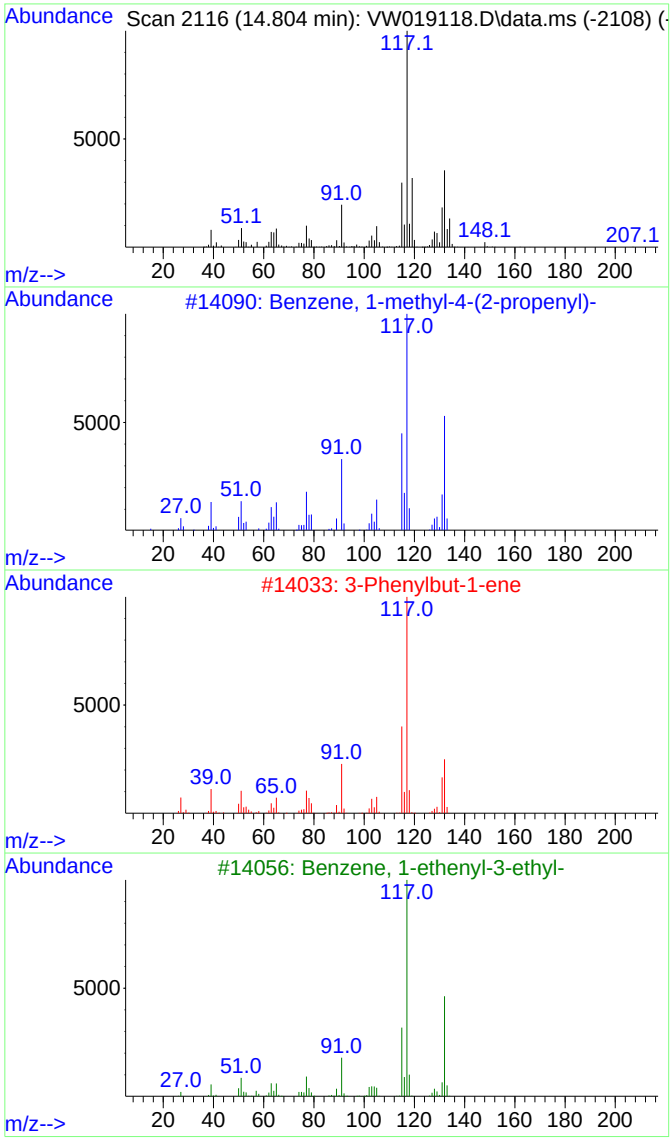
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

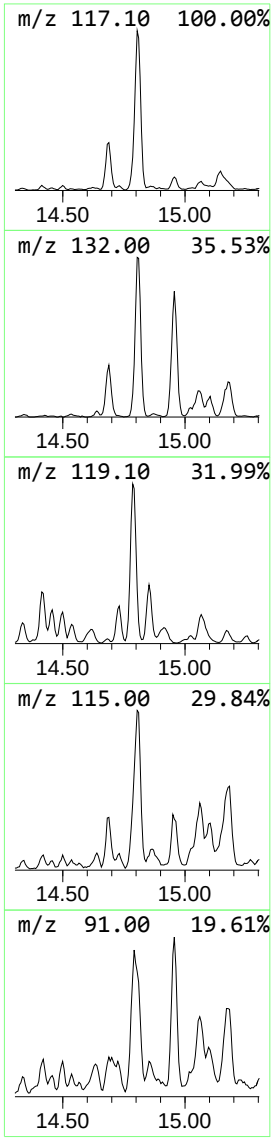
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-methyl-4-(2-prop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	26.15 ug/L	1109630	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

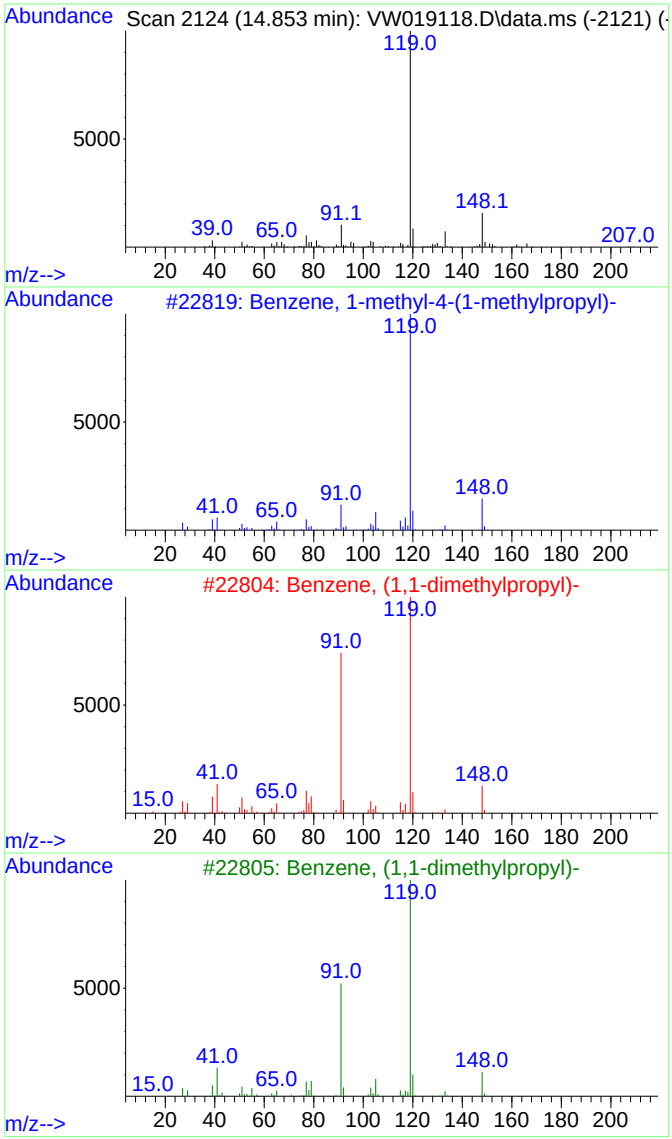
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

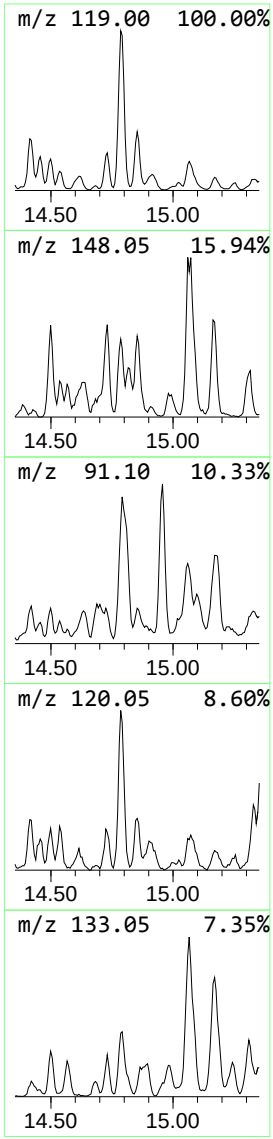
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, (1,1-dimethylpropyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	3.45 ug/L	146521	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	86
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	m-Toluic acid, undec-2-enyl ester	288	C19H28O2	1000292-61-3	64
5	p-Toluic acid, 3,5-difluoropheny...	248	C14H10F2O2	1000292-64-0	59





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

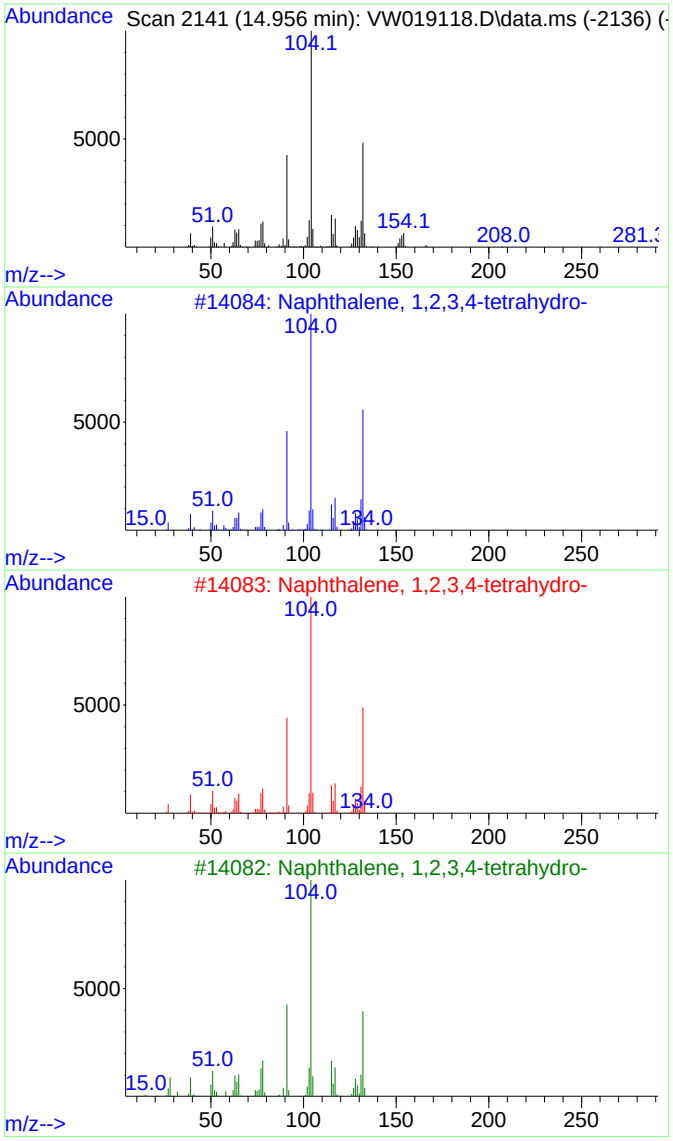
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

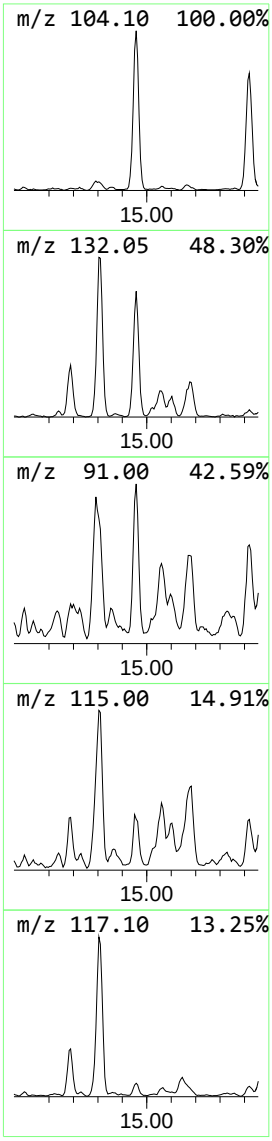
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.957	8.93 ug/L	378944	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
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	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

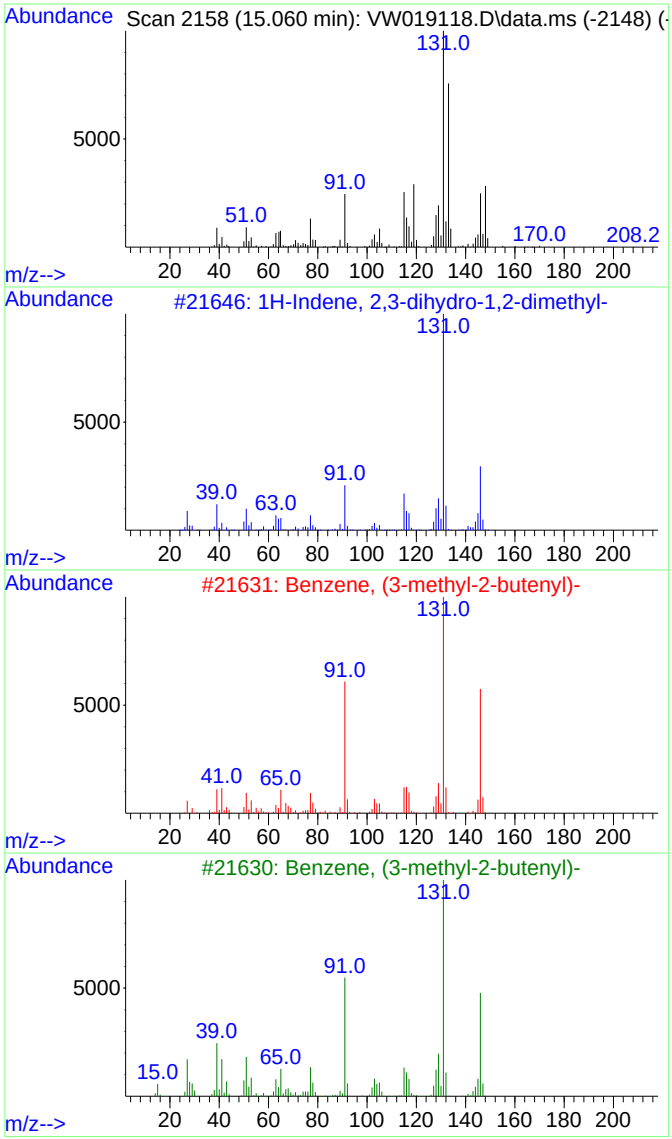
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

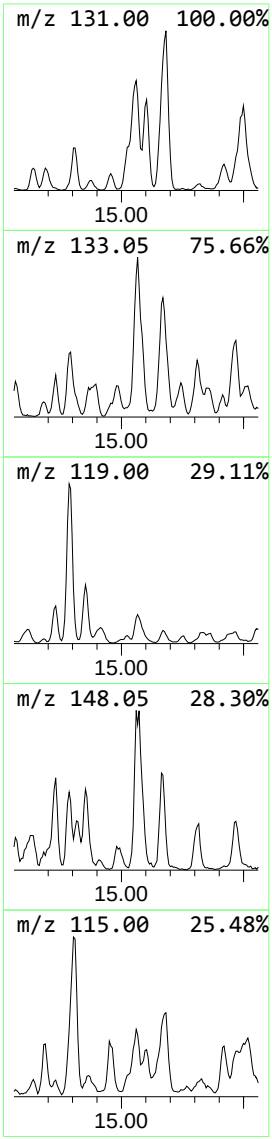
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	13.65 ug/L	579007	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

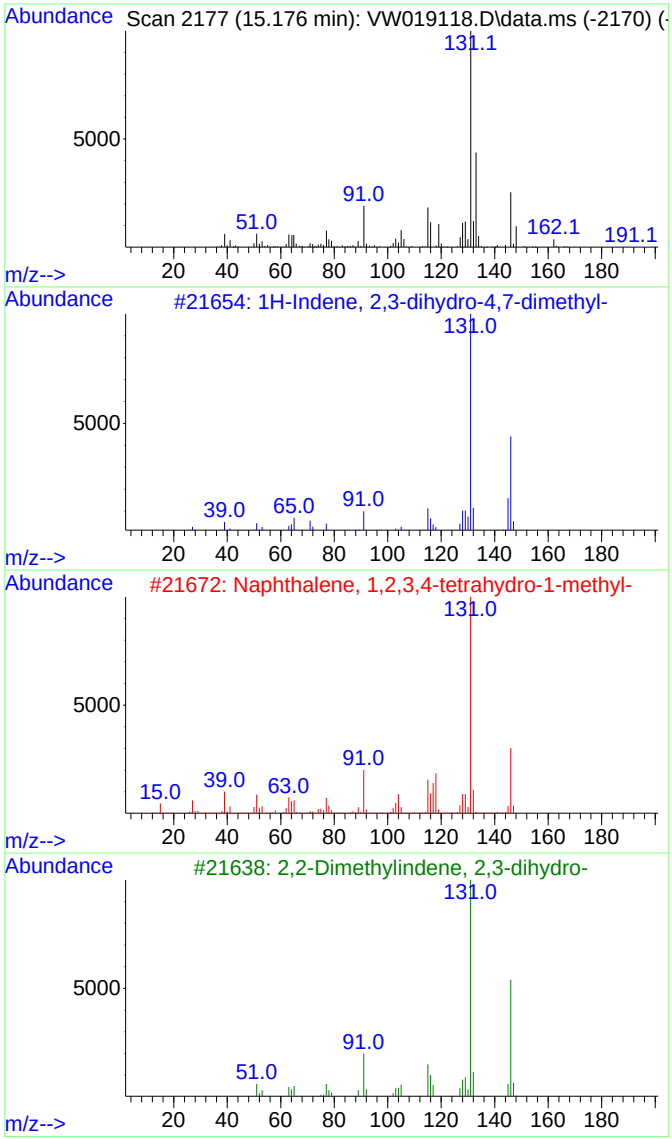
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

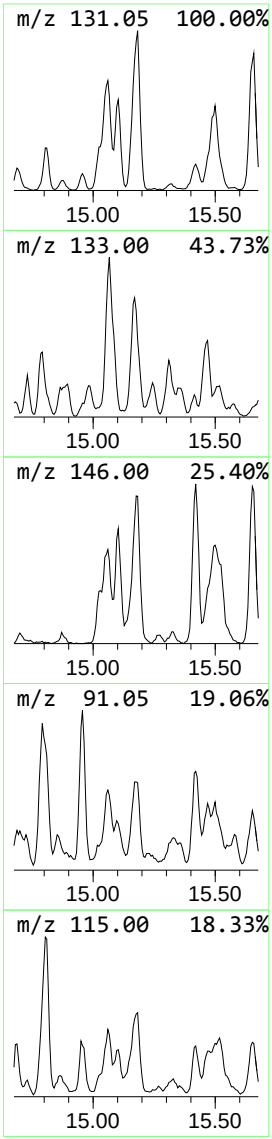
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	14.71 ug/L	624202	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

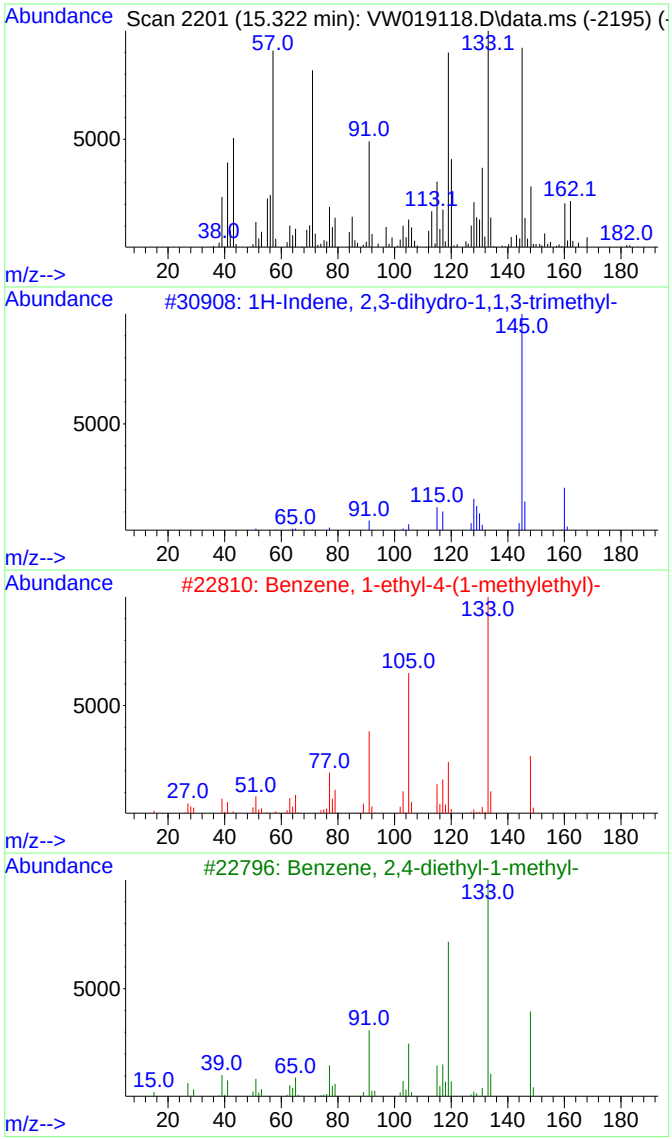
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

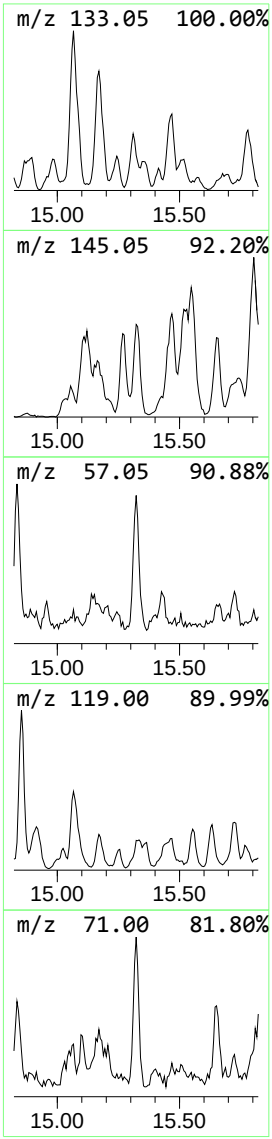
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	4.00 ug/L	169736	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	44
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	42
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	35
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

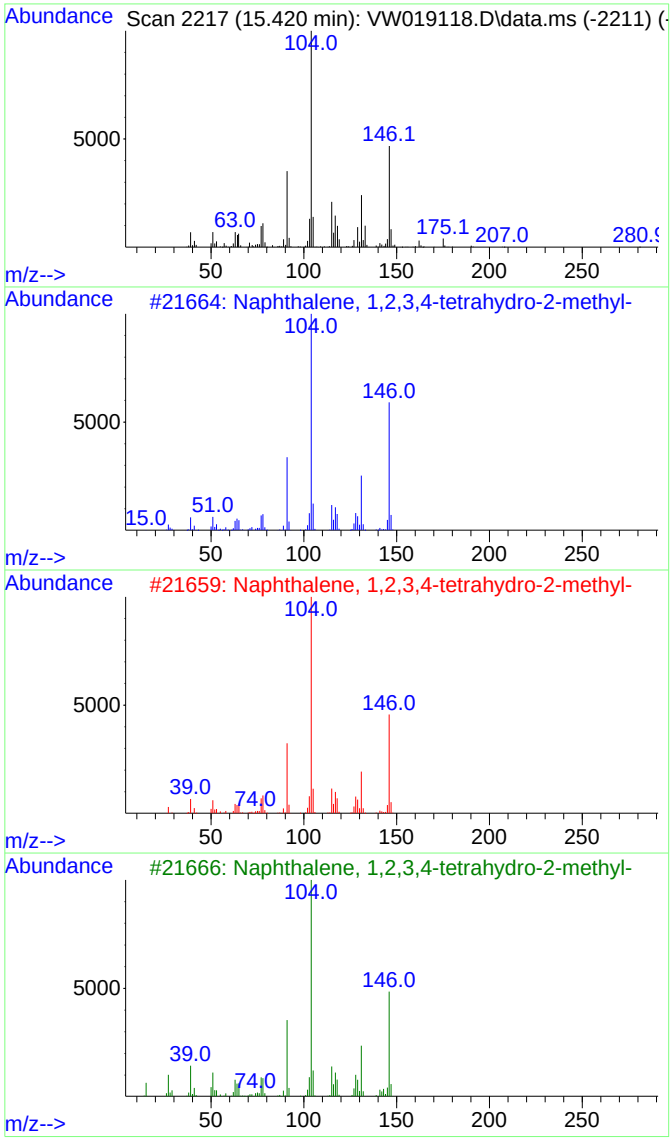
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

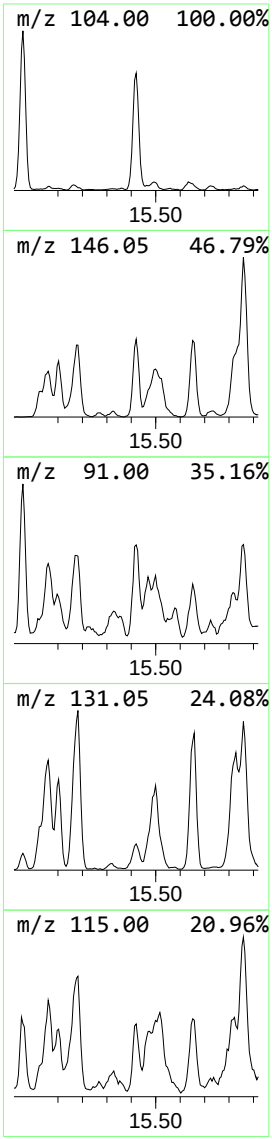
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.420	8.49 ug/L	360114	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

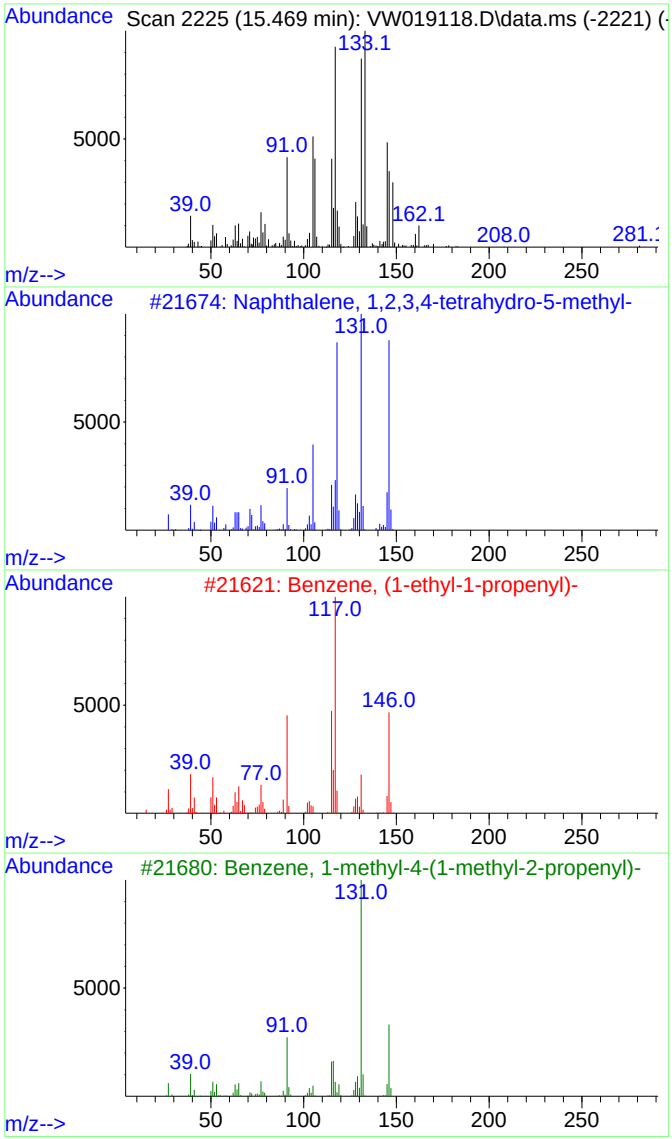
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

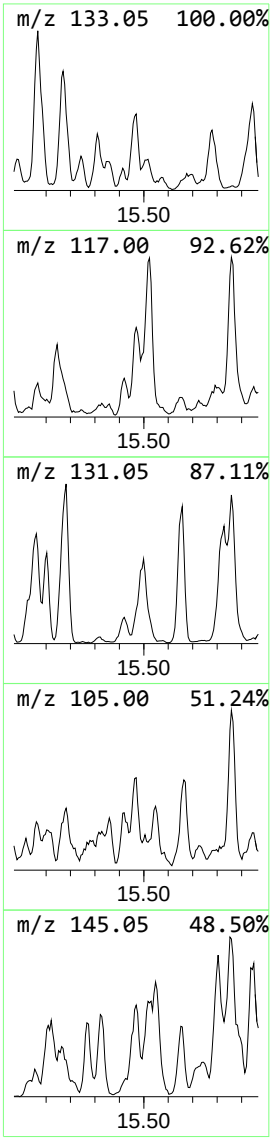
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.469	4.43 ug/L	188152	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	41
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	35
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	35
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	30





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

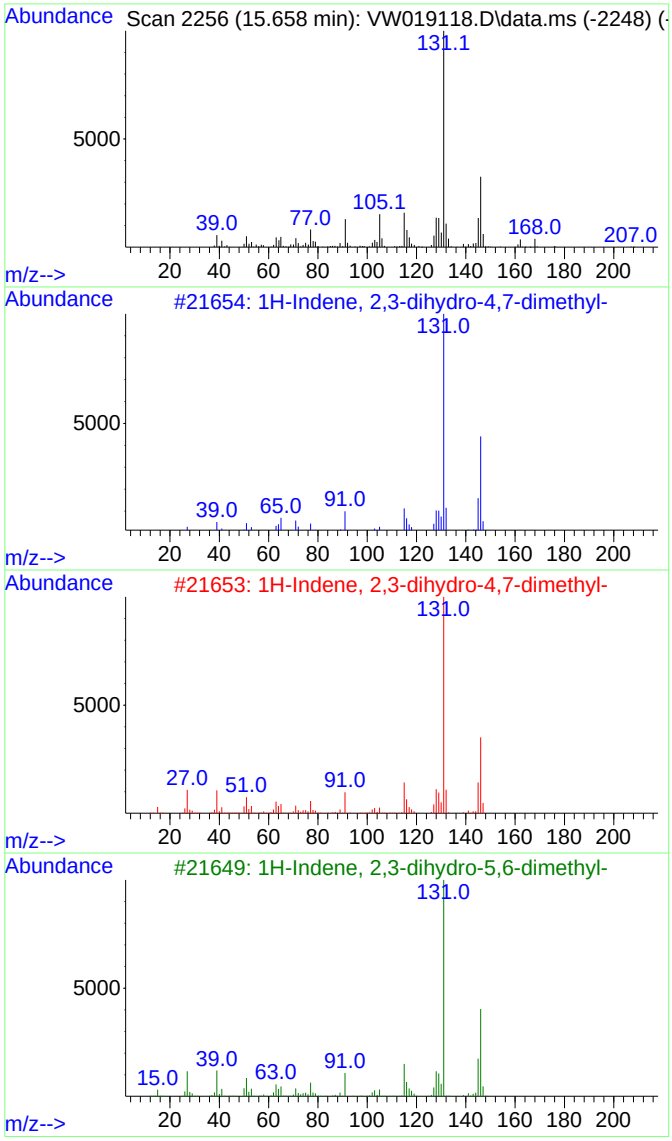
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

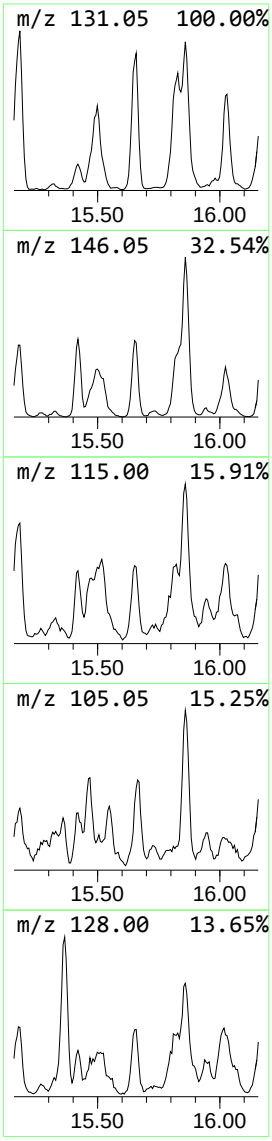
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.658	12.04 ug/L	510632	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

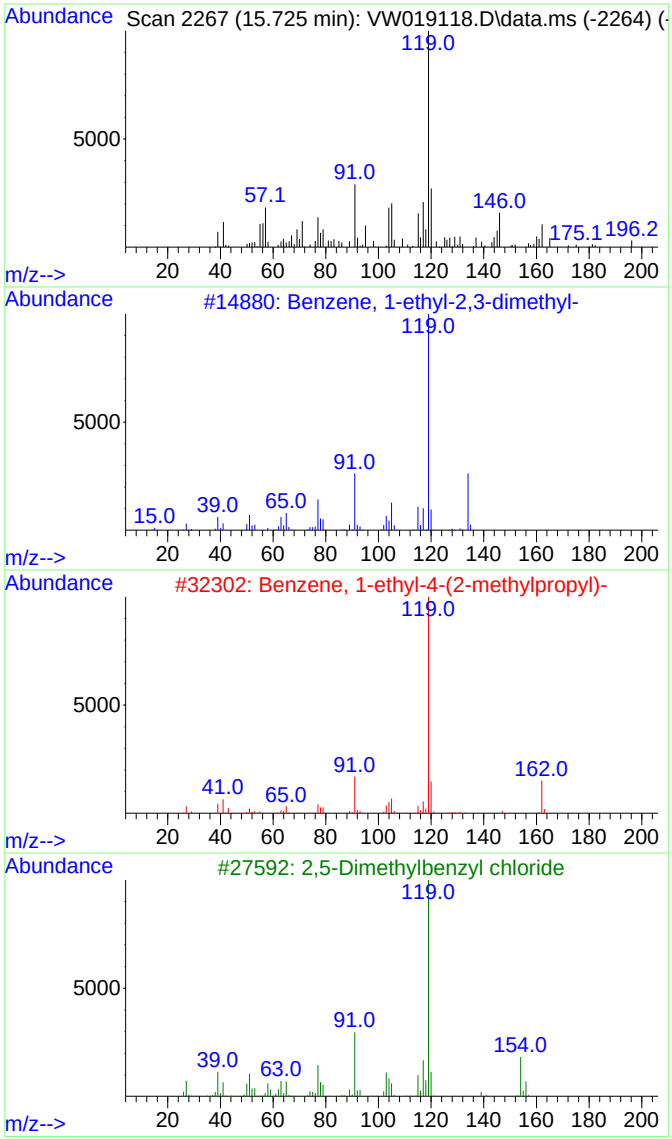
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

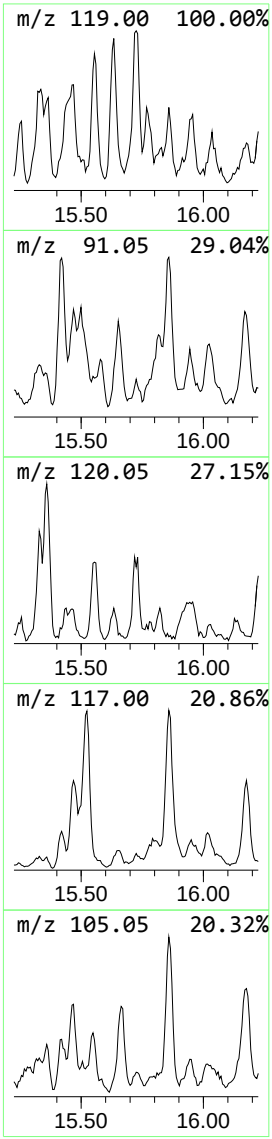
****

Peak Number 33 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.725	2.44 ug/L	103330	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	47
2	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	47
3	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	47
4	Styryl-urea	162	C9H10N2O	1000275-40-3	40
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

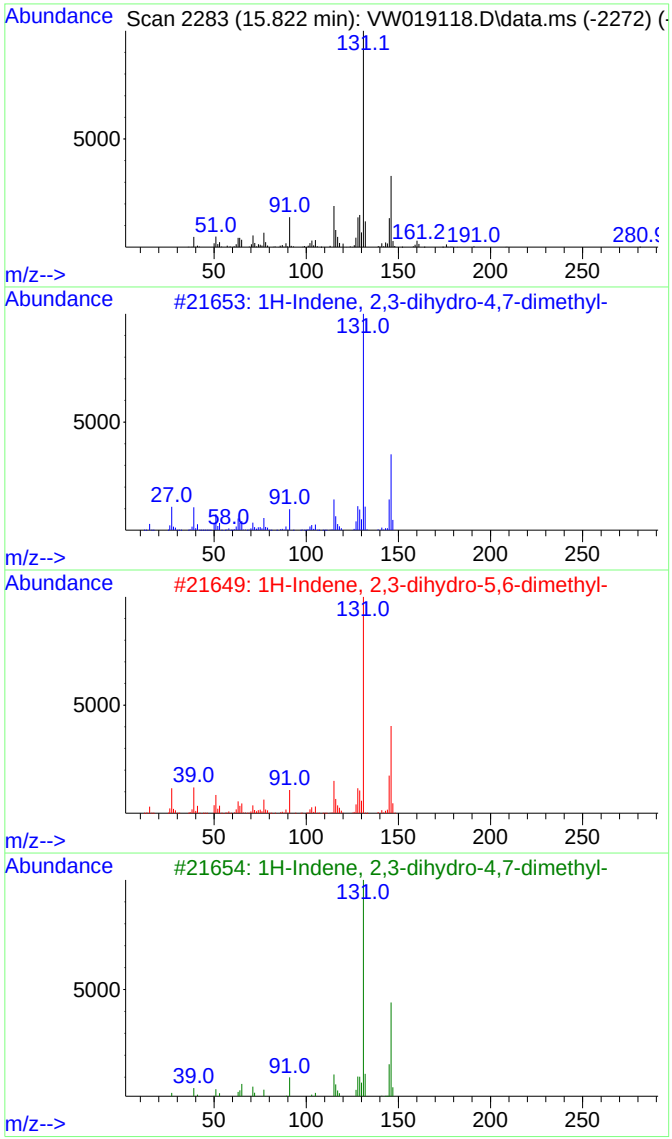
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

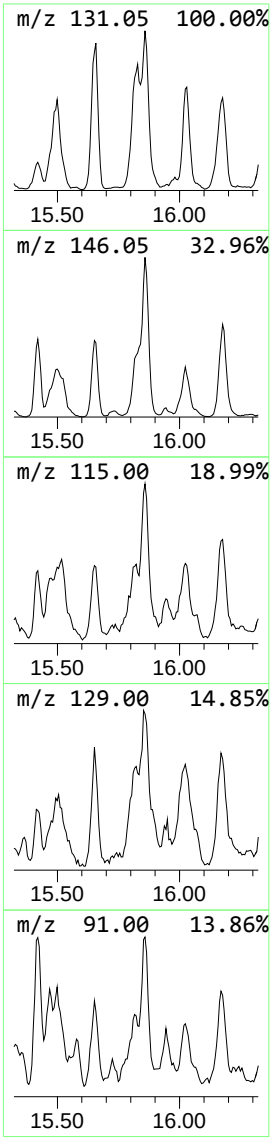
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.822	12.26 ug/L	519987	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

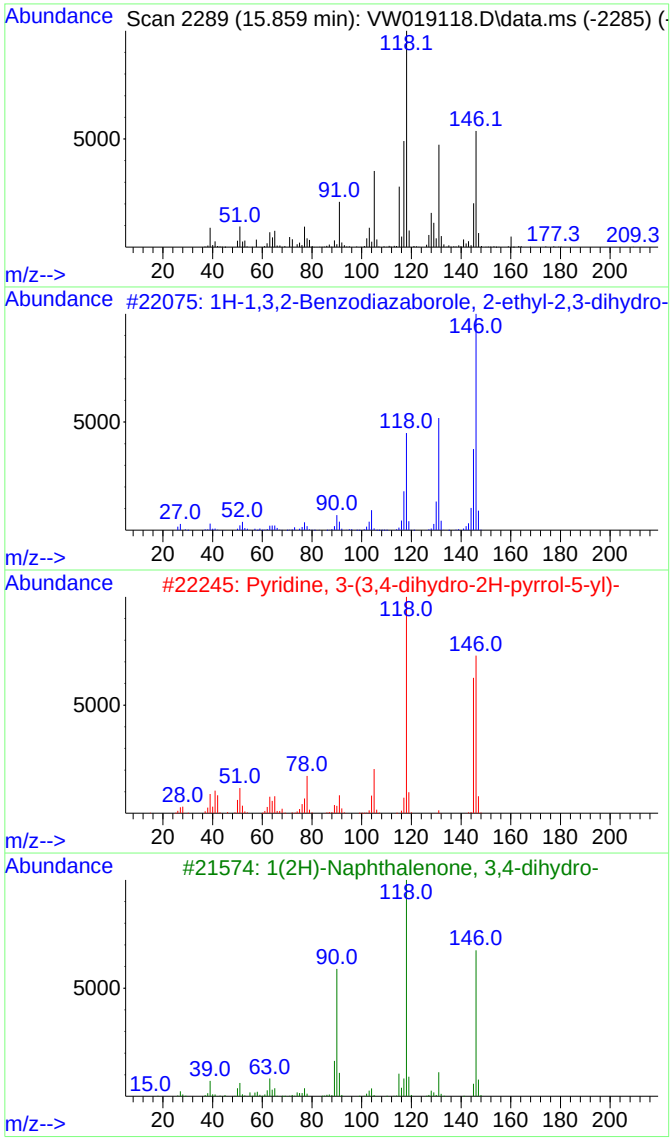
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

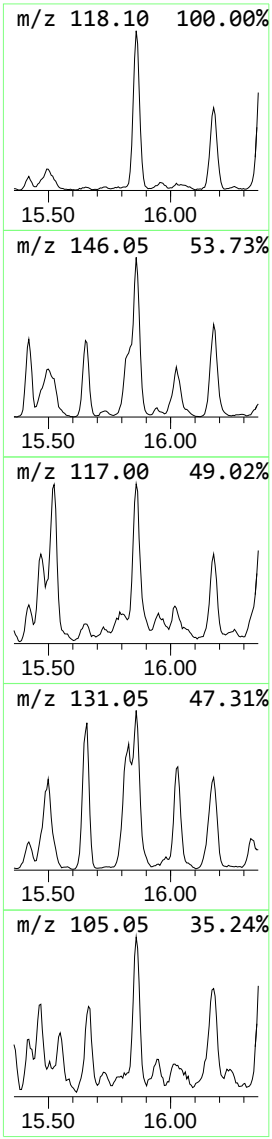
****

Peak Number 35 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.859	19.95 ug/L	846440	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	43
2	Pyridine, 3-(3,4-dihydro-2H-pyrr...	146	C9H10N2	000532-12-7	38
3	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	38
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	38
5	3-Chloropropionic acid, 3-phenyl...	226	C12H15ClO2	078987-69-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

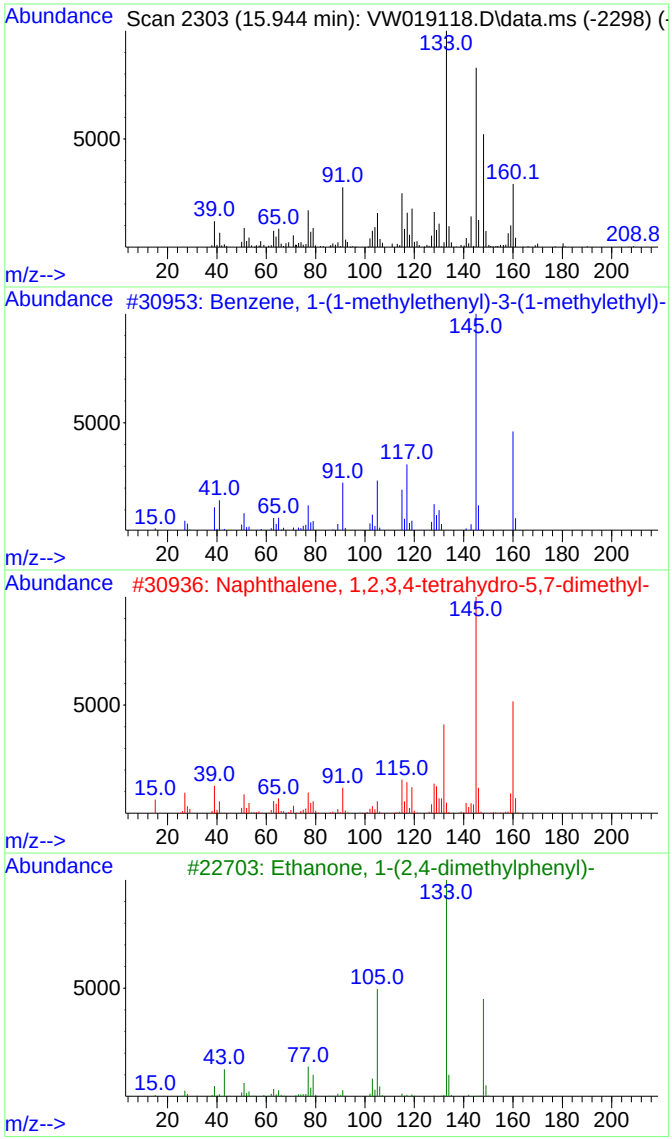
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

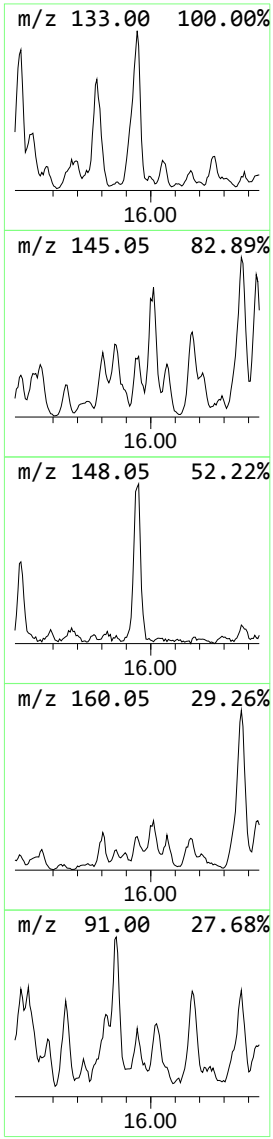
****

Peak Number 36 unknown-04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	6.51 ug/L	276132	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	46
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	46
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	46
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
5	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	42





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Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

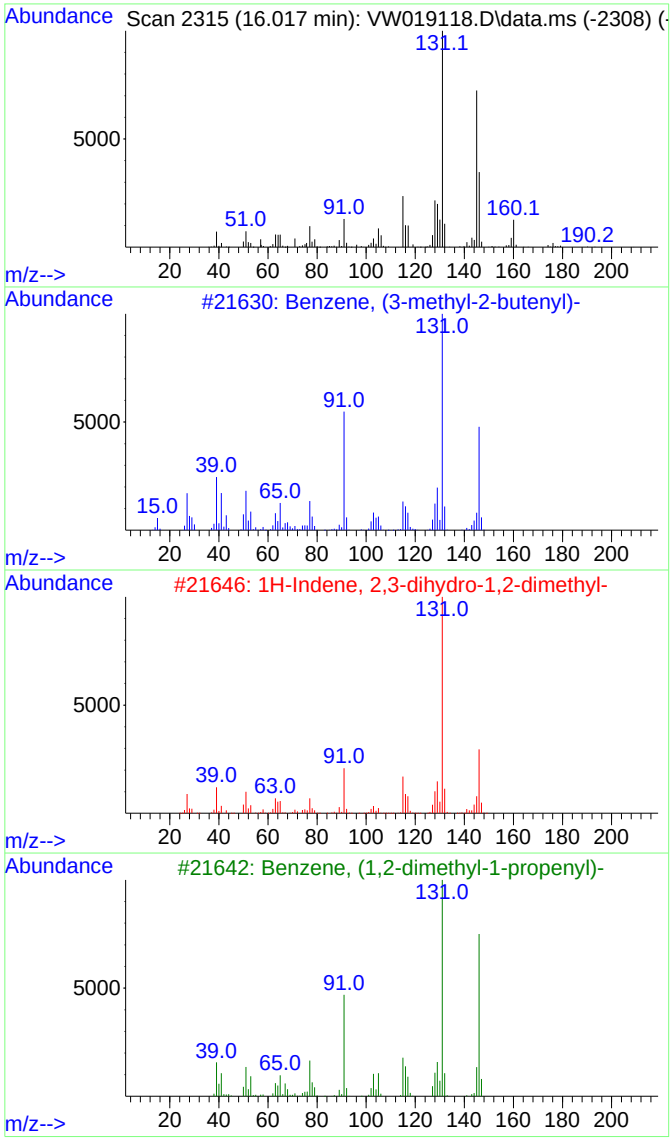
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

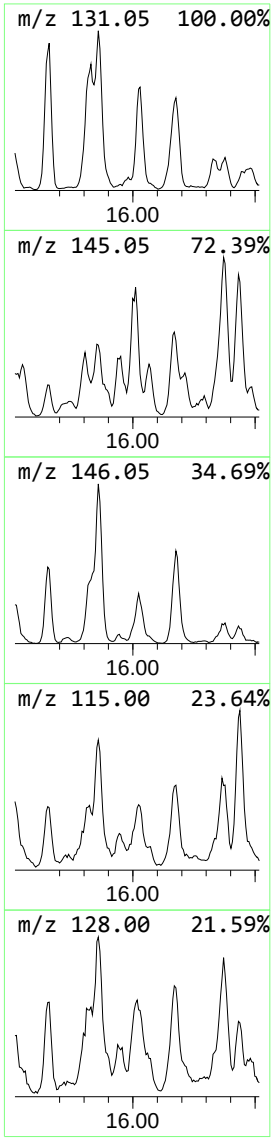
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, (3-methyl-2-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.017	15.12 ug/L	641608	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

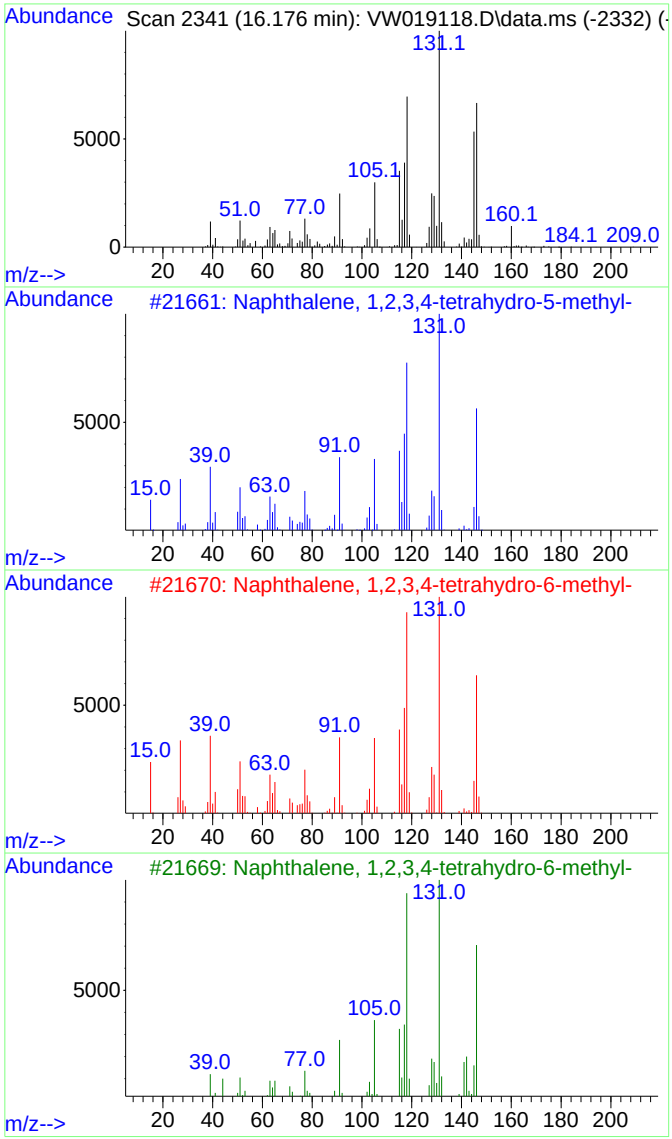
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

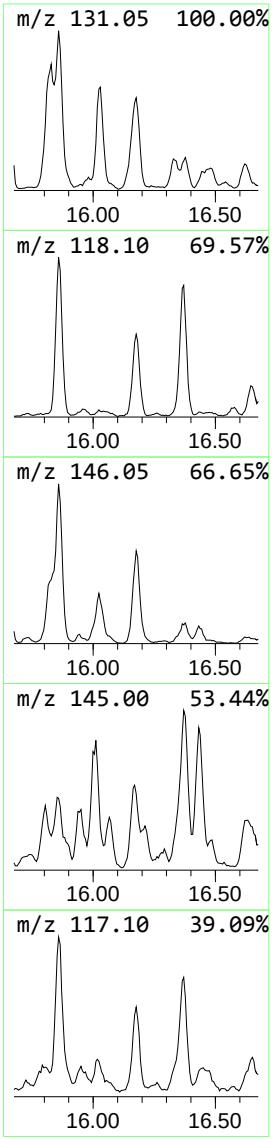
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.176	17.65 ug/L	748777	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	89
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	68
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG5Q1

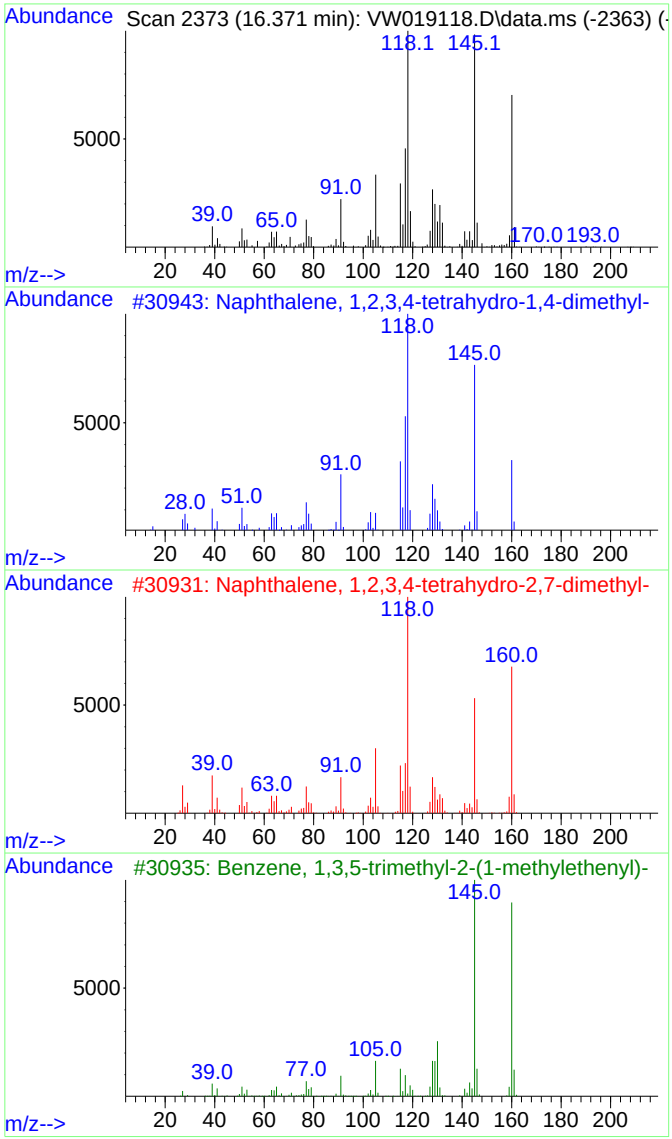
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

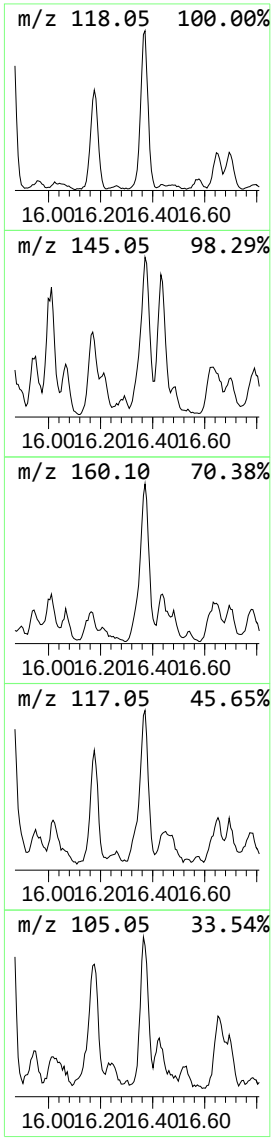
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	16.50 ug/L	699932	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	93
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	78
4	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

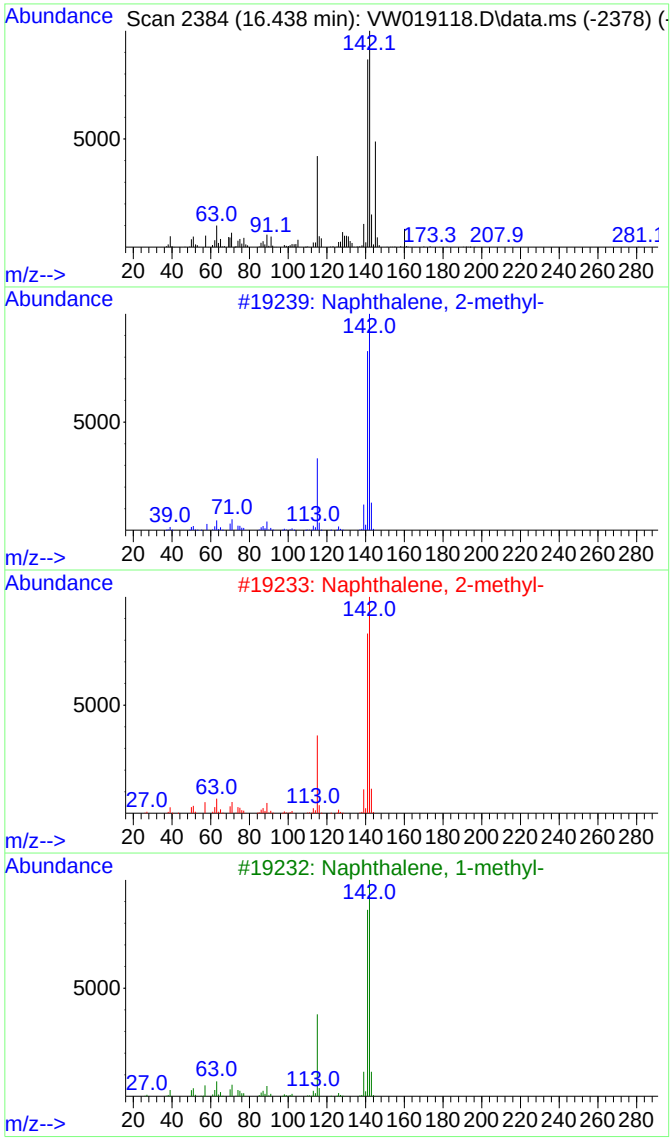
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

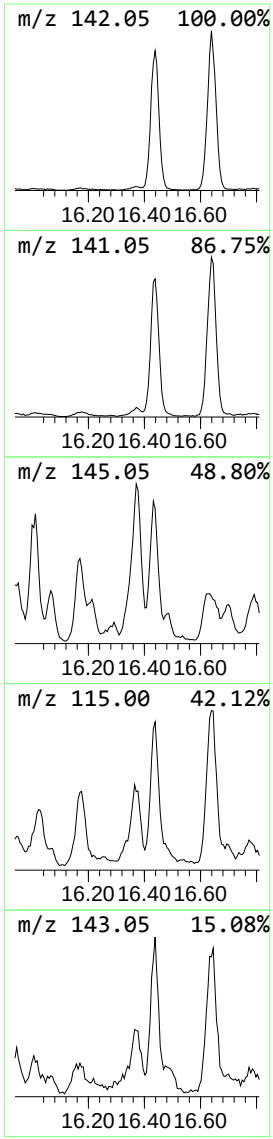
****

Peak Number 40 Benzocycloheptatriene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	17.24 ug/L	731509	1,4-Dichlorobenzene-d4	13.560

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	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89
5	Benzocycloheptatriene	142	C11H10	000264-09-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

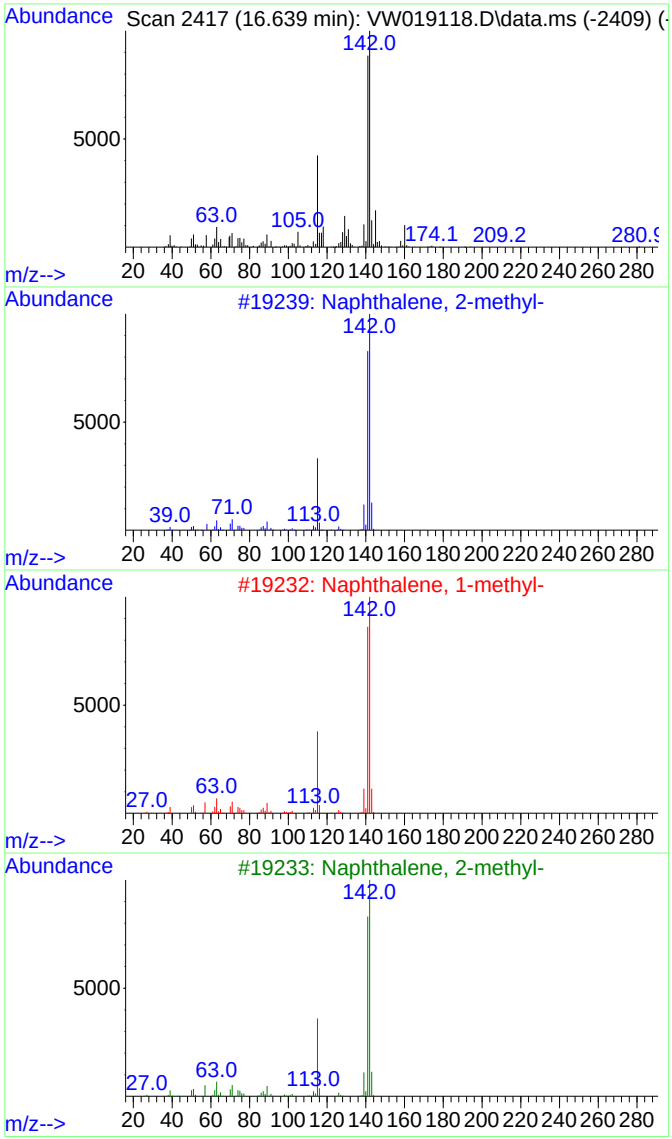
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

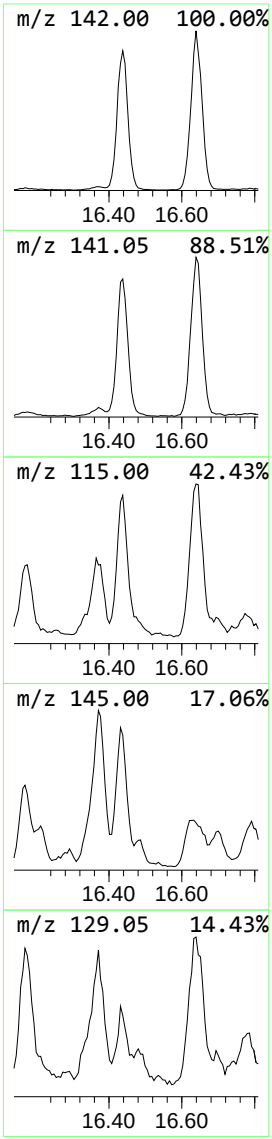
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 1,4-Methanonaphthalene, 1,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	19.11 ug/L	810914	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
Data File : VW019118.D
Acq On : 03 Jun 2021 19:46
Operator : SY/VA
Sample : M2596-05
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG5Q1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	6.988	1.5	ug/L	89983	1	8.842	1458480	25.0
(DEL) Alkane: S...	8.037	3.0	ug/L	175544	1	8.842	1458480	25.0
(DEL) Alkane: S...	8.159	2.3	ug/L	133104	1	8.842	1458480	25.0
(DEL) Alkane: S...	8.482	29.3	ug/L	1709120	1	8.842	1458480	25.0
(DEL) Alkane: C...	8.580	2.3	ug/L	133441	1	8.842	1458480	25.0
(DEL) Alkane: S...	9.470	1.8	ug/L	107356	1	8.842	1458480	25.0
(DEL) Alkane: C...	9.610	1.3	ug/L	73767	1	8.842	1458480	25.0
(DEL) Alkane: S...	9.762	11.9	ug/L	692135	1	8.842	1458480	25.0
(DEL) Alkane: S...	9.896	18.3	ug/L	1065240	1	8.842	1458480	25.0
(DEL) Alkane: S...	10.250	1.7	ug/L	95805	2	11.634	1410290	25.0
Benzene, 2-ethy...	14.097	3.8	ug/L	161480	3	13.560	1060670	25.0
3-Phenylbut-1-ene	14.207	3.9	ug/L	165558	3	13.560	1060670	25.0
o-Cymene	14.335	2.1	ug/L	87684	3	13.560	1060670	25.0
Benzene, 1,2,3,...	14.420	2.2	ug/L	93216	3	13.560	1060670	25.0
Benzene, 4-ethy...	14.457	1.3	ug/L	53047	3	13.560	1060670	25.0
Benzene, 1,3-di...	14.499	2.6	ug/L	108867	3	13.560	1060670	25.0
unknown-01	14.542	2.5	ug/L	105817	3	13.560	1060670	25.0
Benzene, (1,1-d...	14.639	2.6	ug/L	110137	3	13.560	1060670	25.0
Benzene, 2-ethe...	14.688	4.6	ug/L	193303	3	13.560	1060670	25.0
Benzene, 1-meth...	14.731	2.6	ug/L	110980	3	13.560	1060670	25.0
Benzene, 1-meth...	14.804	26.1	ug/L	1109630	3	13.560	1060670	25.0
Benzene, (1,1-d...	14.853	3.5	ug/L	146521	3	13.560	1060670	25.0
Naphthalene, 1,...	14.957	8.9	ug/L	378944	3	13.560	1060670	25.0
1H-Indene, 2,3-...	15.060	13.7	ug/L	579007	3	13.560	1060670	25.0
1H-Indene, 2,3-...	15.176	14.7	ug/L	624202	3	13.560	1060670	25.0
1H-Indene, 2,3-...	15.322	4.0	ug/L	169736	3	13.560	1060670	25.0
Naphthalene, 1,...	15.420	8.5	ug/L	360114	3	13.560	1060670	25.0
Naphthalene, 1,...	15.469	4.4	ug/L	188152	3	13.560	1060670	25.0
1H-Indene, 2,3-...	15.658	12.0	ug/L	510632	3	13.560	1060670	25.0
unknown-02	15.725	2.4	ug/L	103330	3	13.560	1060670	25.0
1H-Indene, 2,3-...	15.822	12.3	ug/L	519987	3	13.560	1060670	25.0
unknown-03	15.859	19.9	ug/L	846440	3	13.560	1060670	25.0
unknown-04	15.944	6.5	ug/L	276132	3	13.560	1060670	25.0
Benzene, (3-met...	16.017	15.1	ug/L	641608	3	13.560	1060670	25.0
Naphthalene, 1,...	16.176	17.6	ug/L	748777	3	13.560	1060670	25.0
Naphthalene, 1,...	16.371	16.5	ug/L	699932	3	13.560	1060670	25.0
Benzocyclohepta...	16.438	17.2	ug/L	731509	3	13.560	1060670	25.0
1,4-Methanonaph...	16.639	19.1	ug/L	810914	3	13.560	1060670	25.0