LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

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

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

Signal : TIC: VW020248.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.025	336	348	360	rBV	93028	261338	1.05%	0.094%
2	7.653	932	943	960	rBV	156810	410459	1.64%	0.148%
3	7.958	979	993	1000	rBV4	105618	389221	1.56%	0.140%
4	8.159	1017	1026	1032	rBV	118430	263966	1.06%	0.095%
5	8.281	1039	1046	1062	rVB2	289451	864043	3.46%	0.311%
6	8.439	1062	1072	1078	rBV3	99165	256823	1.03%	0.092%
7	8.512	1078	1084	1089	rVV3	87313	212071	0.85%	0.076%
8	8.579	1089	1095	1105	rVB	160036	372549	1.49%	0.134%
9	8.695	1105	1114	1126	rVB	196580	395931	1.58%	0.142%
10	8.842	1129	1138	1152	rBV	379595	842950	3.37%	0.303%
11	9.281	1201	1210	1213	rBV2	229223	542447	2.17%	0.195%
12	9.335	1214	1219	1226	rVB	769465	1582636	6.33%	0.570%
13	9.518	1236	1249	1255	rBV	128754	255354	1.02%	0.092%
14	9.610	1255	1264	1271	rBV	139438	283265	1.13%	0.102%
15	9.750	1282	1287	1299	rVB2	219265	468223	1.87%	0.169%
16	9.957	1316	1321	1326	rBV	364143	668759	2.68%	0.241%
17	10.098	1338	1344	1355	rVB2	291111	674025	2.70%	0.243%
18	10.207	1355	1362	1366	rBV	175670	340484	1.36%	0.123%
19	10.323	1374	1381	1386	rBV2	930549	1827053	7.31%	0.658%
20	10.506	1404	1411	1418	rVB4	605546	1275016	5.10%	0.459%
21	10.664	1433	1437	1444	rVB	431381	764699	3.06%	0.275%
22	10.756	1444	1452	1459	rBV3	315745	842250	3.37%	0.303%
23	10.847	1462	1467	1472	rVB3	109109	213619	0.85%	0.077%
24	10.933	1472	1481	1488	rBV2	367760	750871	3.00%	0.270%
25	11.024	1488	1496	1499	rBV5	166631	442561	1.77%	0.159%
26	11.103	1505	1509	1512	rBV3	198361	309705	1.24%	0.111%
27	11.177	1517	1521	1525	rVB	571693	835773	3.34%	0.301%
28	11.231	1525	1530	1535	rVB	817464	1358335	5.43%	0.489%
29	11.335	1542	1547	1552	rVB2	370905	612580	2.45%	0.220%
30	11.414	1552	1560	1562	rBV3	434797	885004	3.54%	0.319%
31	11.512	1571	1576	1581	rBV	593394	943136	3.77%	0.339%
32	11.634	1590	1596	1600	rBV2	504212	869931	3.48%	0.313%
33	11.725	1607	1611	1615	rBV2	188945	305925	1.22%	0.110%
34	11.805	1620	1624	1627	rBV2	309638	550139	2.20%	0.198%
35	11.841	1627	1630	1633	rVV	505813	662875	2.65%	0.239%
36	11.872	1633	1635	1639	rVB2	364785	443317	1.77%	0.160%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

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

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

37	11.914	1639	1642	1647	rVB3	503556	852650	3.41%	0.307%
38	11.975	1647	1652	1656	rBV3	141623	250986	1.00%	0.090%
39	12.042	1656	1663	1672	rVB6	127793	445607	1.78%	0.160%
40	12.140	1672	1679	1687	rBV3	837557	2241658	8.97%	0.807%
41	12.250	1690	1697	1702	rVB	1086843	1886180	7.55%	0.679%
42	12.341	1702	1712	1713	rBV3	1116901	2149020	8.60%	0.773%
43	12.463	1728	1732	1736	rBV2	404055	746073	2.98%	0.269%
44	12.512	1736	1740	1741	rVV3	520994	809910	3.24%	0.291%
45	12.542	1742	1745	1747	rVV2	877513	1283886	5.14%	0.462%
46	12.567	1747	1749	1753	rVB	874569	1044046	4.18%	0.376%
47	12.621	1753	1758	1759	rBV3	242828	342428	1.37%	0.123%
48	12.652	1759	1763	1766	rVB	665806	825955	3.30%	0.297%
49	12.695	1766	1770	1775	rVB3	434859	657734	2.63%	0.237%
50	12.780	1779	1784	1791	rVB3	1279662	2606980	10.43%	0.938%
51	12.859	1791	1797	1800	rBV6	455294	965717	3.86%	0.348%
52	12.932	1800	1809	1815	rVV4	2650531	7477677	29.92%	2.691%
53	12.993	1815	1819	1824	rVB3	688202	1088598	4.36%	0.392%
54	13.103	1829	1837	1843	rBV	5074107	9297642	37.20%	3.346%
55	13.164	1843	1847	1855	rVB2	2217918	3512616	14.05%	1.264%
56	13.255	1858	1862	1865	rBV2	479822	647470	2.59%	0.233%
57	13.292	1865	1868	1873	rBV2	299703	398275	1.59%	0.143%
58	13.347	1873	1877	1879	rBV3	679892	1020235	4.08%	0.367%
59	13.377	1879	1882	1886	rVB3	812001	1172997	4.69%	0.422%
60	13.444	1887	1893	1897	rBV5	1779389	3579289	14.32%	1.288%
61	13.487	1897	1900	1903	rVV2	1044457	1280170	5.12%	0.461%
62	13.518	1903	1905	1908	rVB	557585	555840	2.22%	0.200%
63	13.554	1908	1911	1913	rBV2	1030664	1195047	4.78%	0.430%
64	13.585	1913	1916	1920	rVB	1713216	2293474	9.18%	0.825%
65	13.627	1920	1923	1930	rVB2	1102323	1614174	6.46%	0.581%
66	13.719	1931	1938	1941	rBV2	2336505	4400367	17.61%	1.584%
67	13.755	1941	1944	1948	rVV	4119493	5898244	23.60%	2.123%
68	13.798	1948	1951	1959	rVB2	1946586	4110401	16.45%	1.479%
69	13.877	1959	1964	1969	rBV3	3350309	5897385	23.59%	2.123%
70	13.920	1969	1971	1972	rVV	454461	433465	1.73%	0.156%
71	13.950	1972	1976	1979	rVV	1769876	2536464	10.15%	0.913%
72	14.011	1982	1986	1995	rVB2	2060988	4085494	16.35%	1.470%
73	14.097	1995	2000	2004	rBV	6274422	8954304	35.83%	3.223%
74	14.133	2004	2006	2008	rVV	626096	681735	2.73%	0.245%
75	14.207	2012	2018	2024	rVB2	8306414	13716362	54.88%	4.937%
76	14.267	2024	2028	2033	rBV6	827934	1672619	6.69%	0.602%

LSC Area Percent Report

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Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

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Peak separation: 5

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

77	14.347	2033	2041	2044	rBV4	2645926	6029633	24.12%	2.170%
78	14.389	2044	2048	2051	rVV3	3747713	6657196	26.63%	2.396%
79	14.420	2051	2053	2057	rVV2	3840007	6085388	24.35%	2.190%
80	14.456	2057	2059	2062	rVB	2648345	2858823	11.44%	1.029%
81	14.499	2062	2066	2069	rVB2	3068959	3676531	14.71%	1.323%
82	14.548	2069	2074	2080	rVB3	1652685	3404053	13.62%	1.225%
83	14.603	2080	2083	2086	rBV2	560179	800200	3.20%	0.288%
84	14.688	2093	2097	2101	rBV3	3428362	6508489	26.04%	2.342%
85	14.731	2101	2104	2108	rVB	2247704	3123869	12.50%	1.124%
86	14.804	2109	2116	2120	rBV2	10504344	24994245	100.00%	8.996%
87	15.060	2153	2158	2163	rBV2	5570477	9938872	39.76%	3.577%
88	15.176	2170	2177	2184	rBV2	6671738	15925144	63.72%	5.732%
89	15.243	2185	2188	2196	rVB6	2405600	5617577	22.48%	2.022%
90	15.322	2196	2201	2211	rVB4	4651001	8710697	34.85%	3.135%
91	15.468	2220	2225	2229	rBV2	2228983	3950375	15.81%	1.422%
92	15.517	2229	2233	2237	rVB5	1550138	2662165	10.65%	0.958%
93	15.657	2248	2256	2262	rBV4	2866135	7108024	28.44%	2.558%
94	15.731	2263	2268	2274	rVV3	1678958	3336231	13.35%	1.201%
95	15.822	2279	2283	2292	rVB2	1946312	4414111	17.66%	1.589%
96	15.950	2300	2304	2308	rBV3	859296	1473165	5.89%	0.530%
97	16.023	2309	2316	2321	rVB4	1410692	4025751	16.11%	1.449%
98	16.170	2333	2340	2345	rBV3	1506912	3689780	14.76%	1.328%
99	16.371	2369	2373	2379	rVB2	1141725	2319952	9.28%	0.835%
100	16.639	2409	2417	2429	rVB2	5000320	12931862	51.74%	4.654%

Sum of corrected areas: 277848640

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
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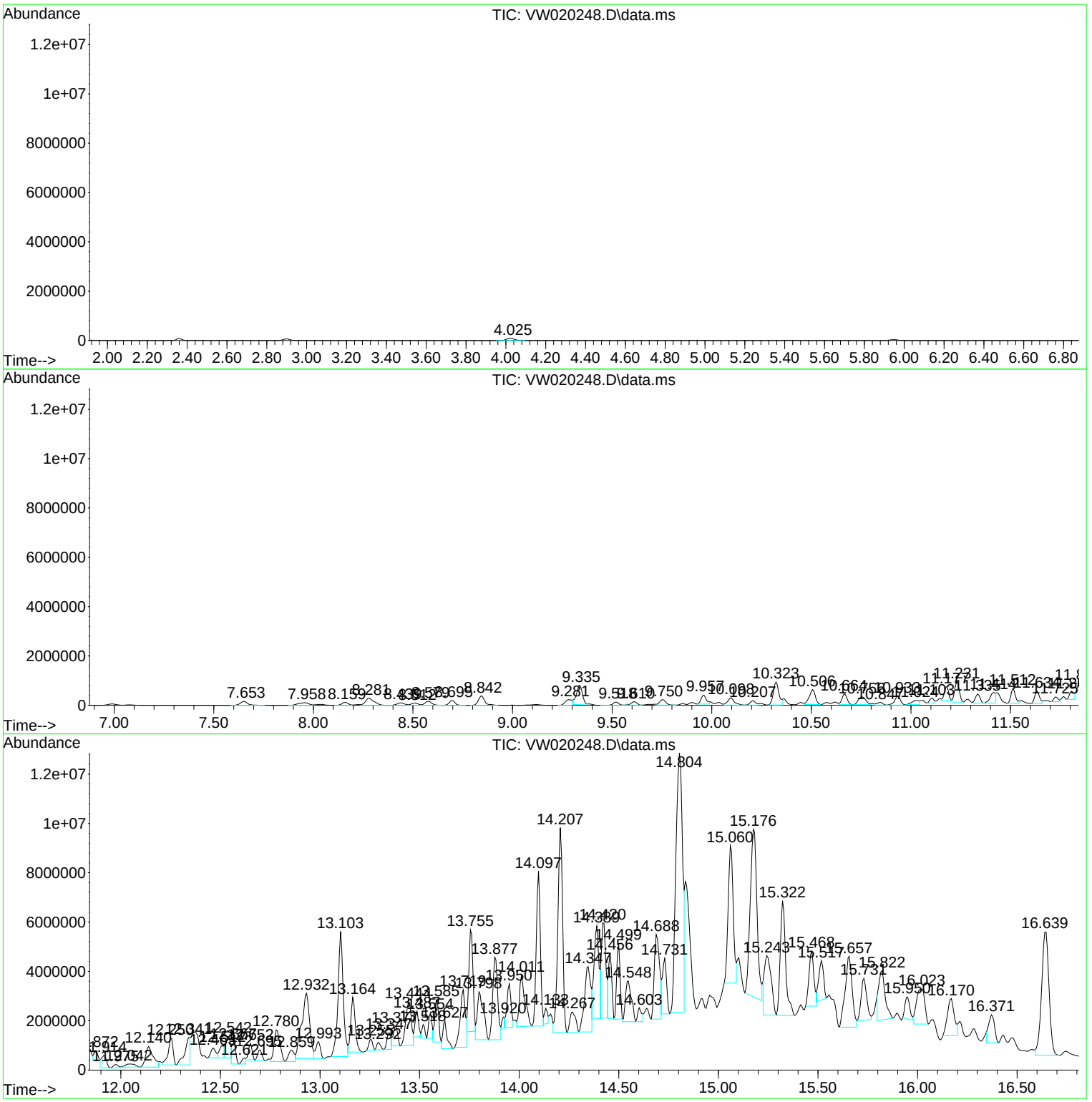
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

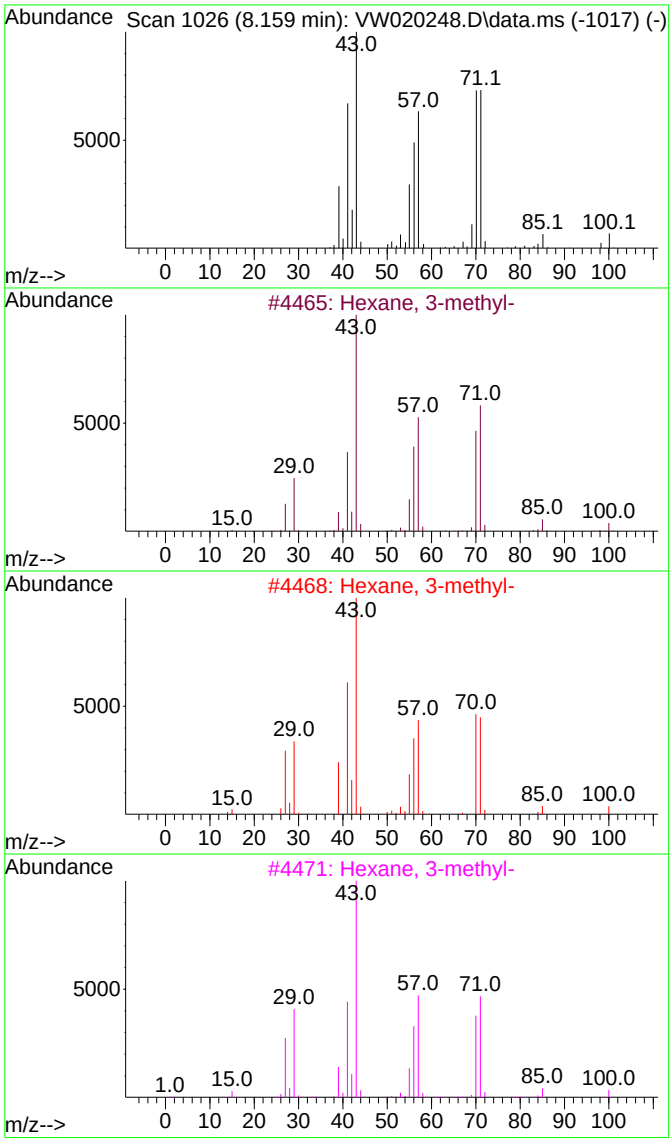
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

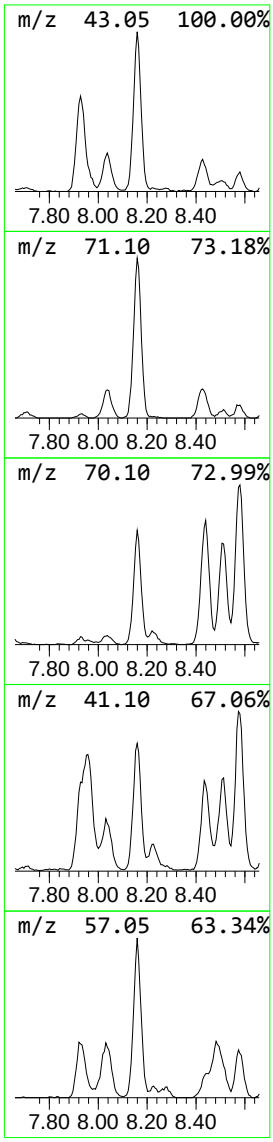
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	7.83 ug/L	263966	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	83
4	Heptane	100	C7H16	000142-82-5	80
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

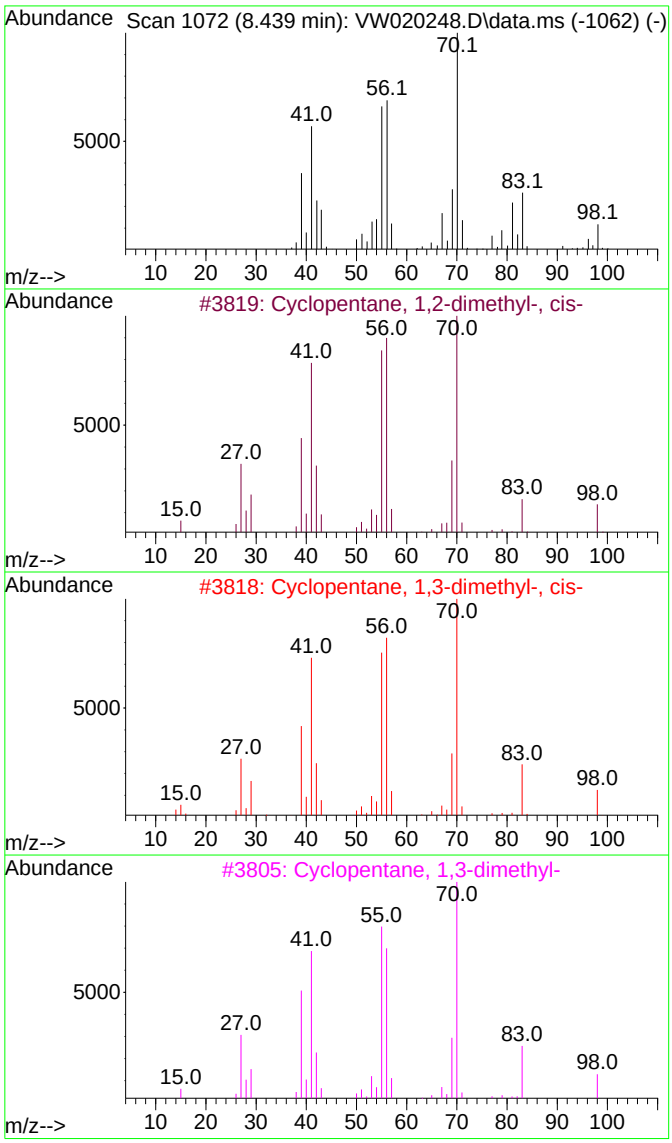
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

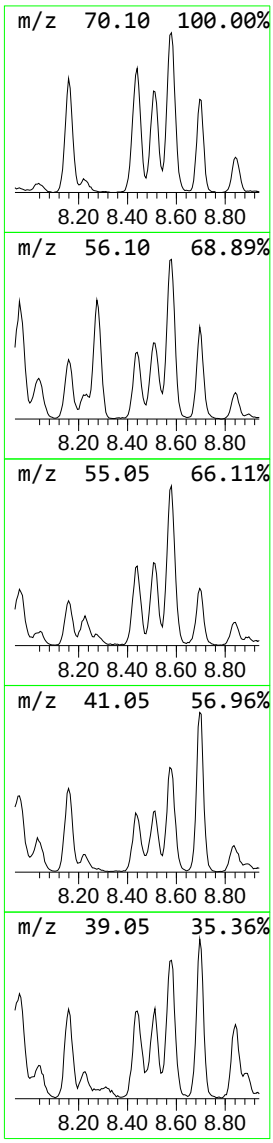
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic8.439 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	7.62 ug/L	256823	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
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Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

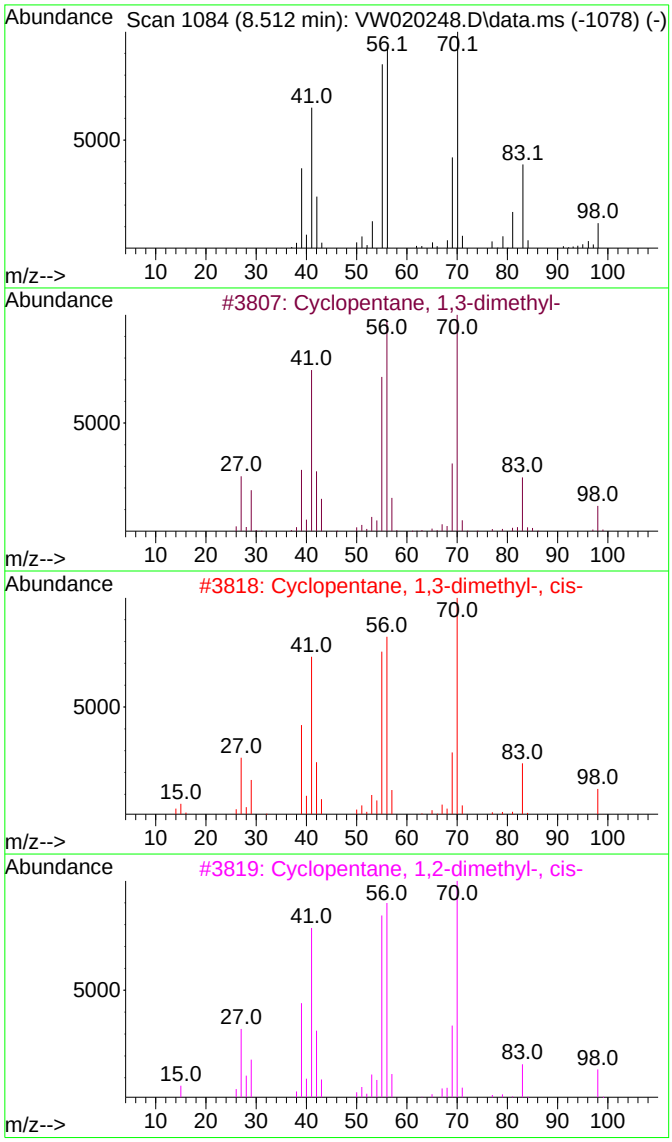
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

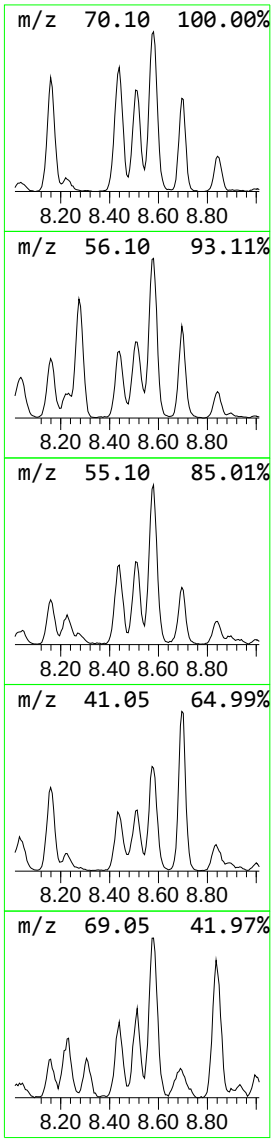
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic8.512 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	6.29 ug/L	212071	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

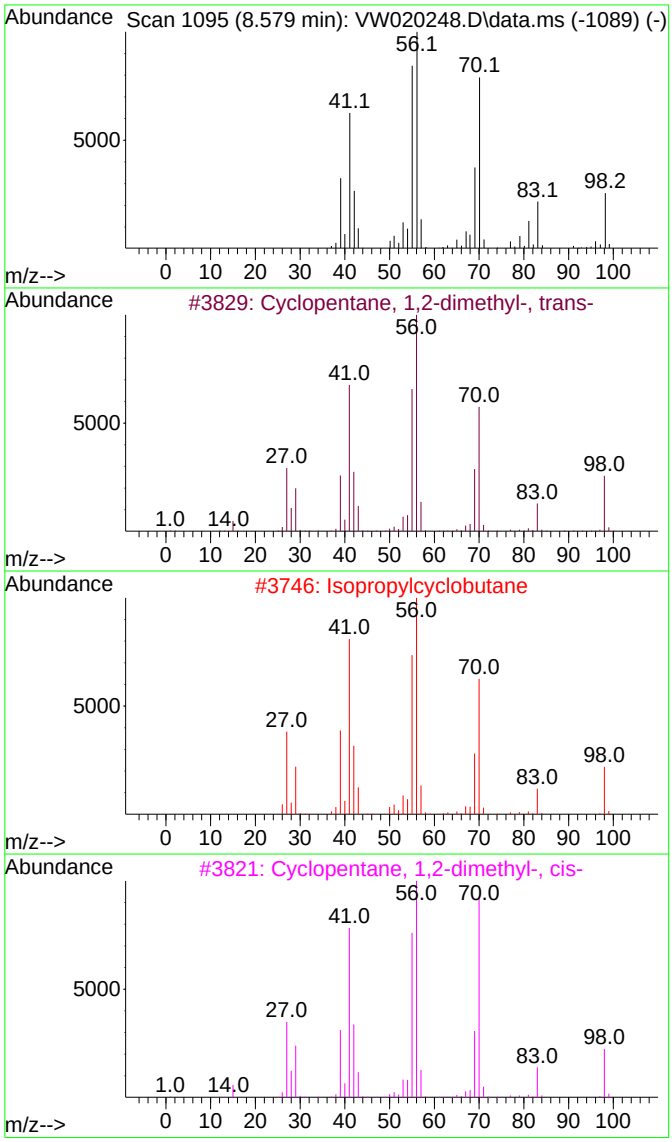
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

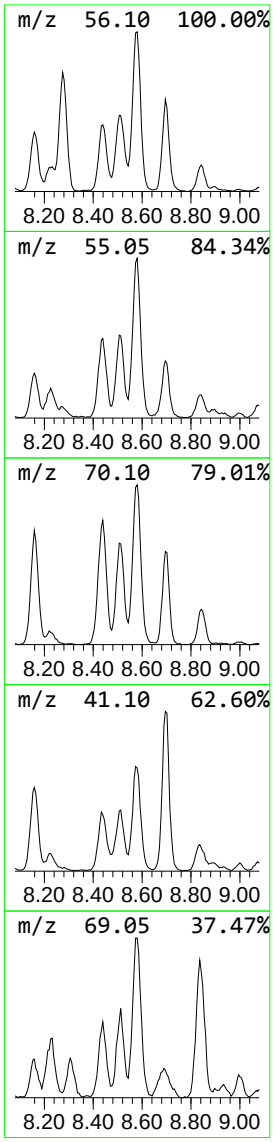
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic8.579 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	11.05 ug/L	372549	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Isopropylcyclobutane	98	C7H14	000872-56-0	90
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	1-Heptene	98	C7H14	000592-76-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

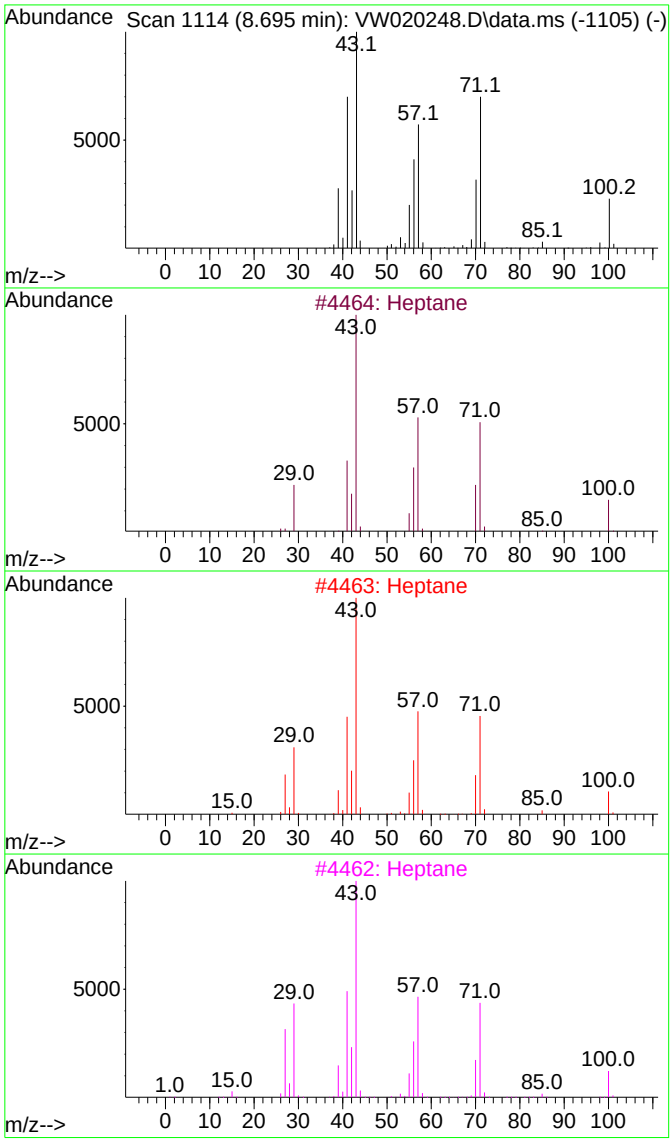
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

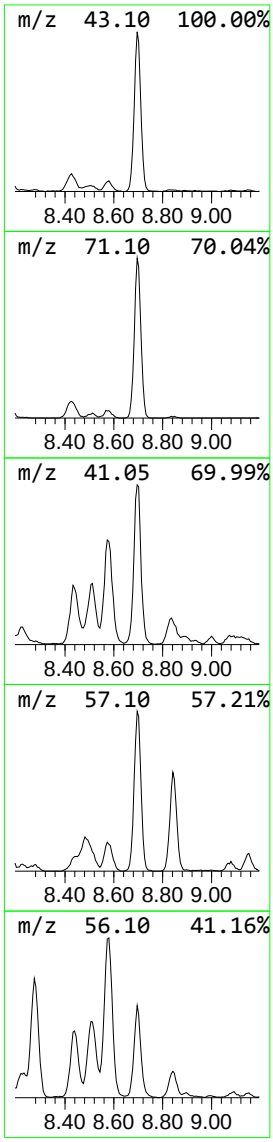
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	11.74 ug/L	395931	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	78
2	Heptane	100	C7H16	000142-82-5	59
3	Heptane	100	C7H16	000142-82-5	58
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	3-Hexanone	100	C6H12O	000589-38-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

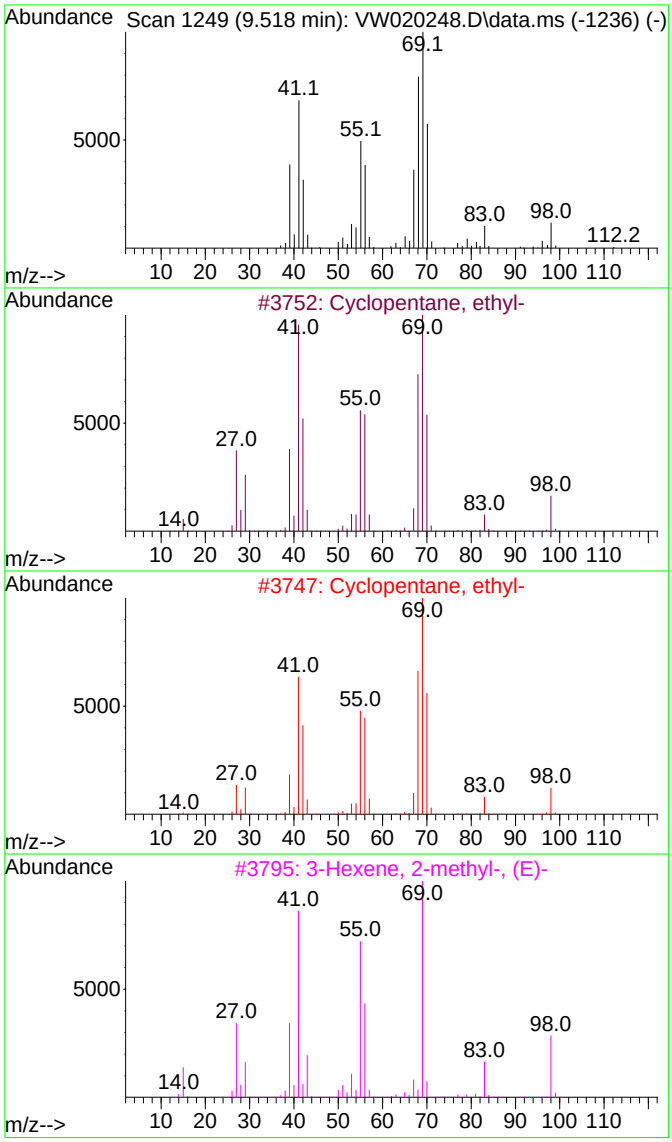
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

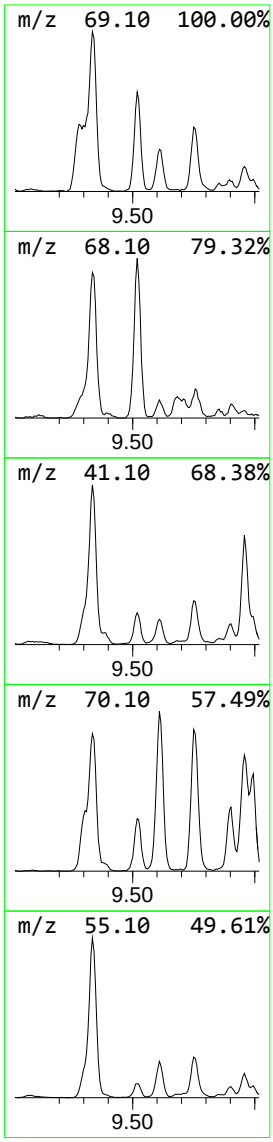
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic9.518 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.518	7.57 ug/L	255354	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	68
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
4	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

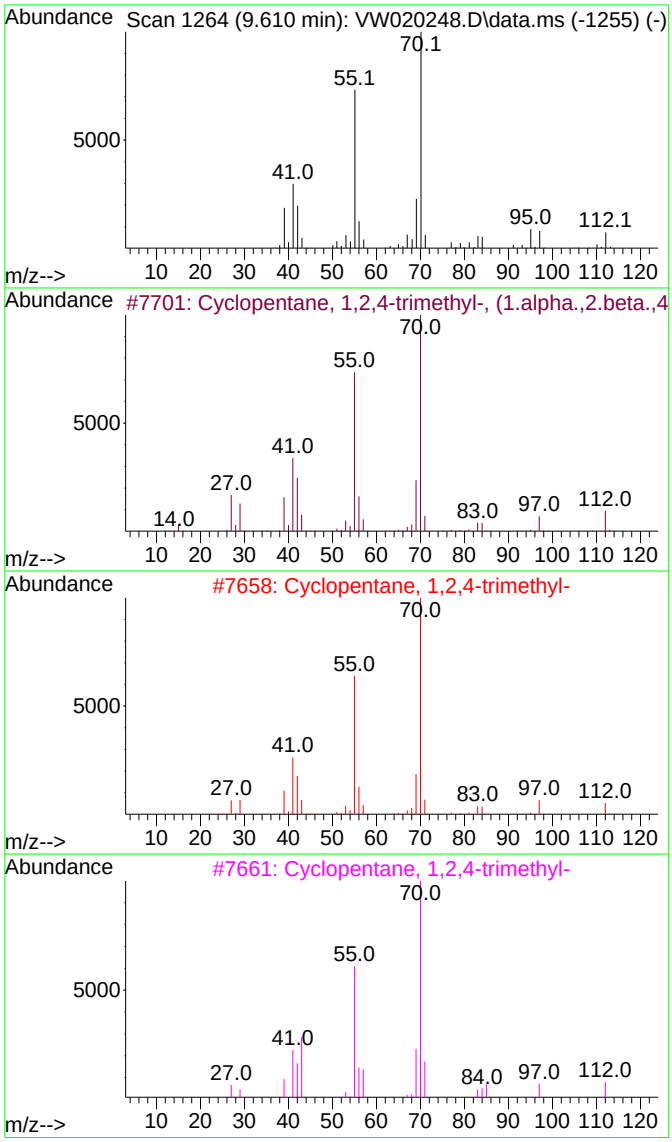
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

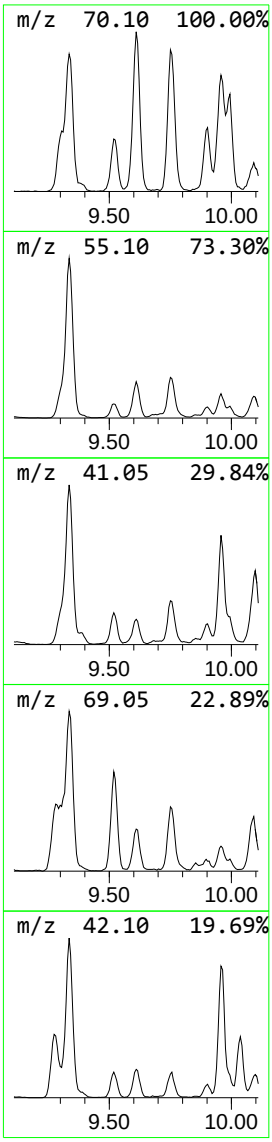
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.610 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	8.40 ug/L	283265	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

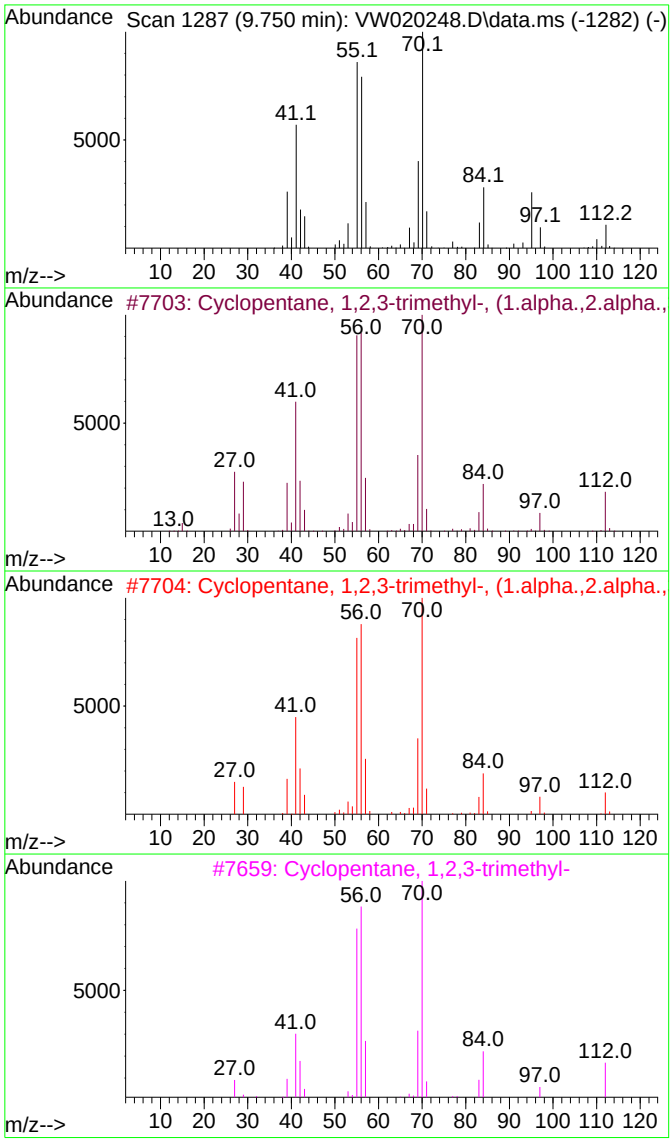
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

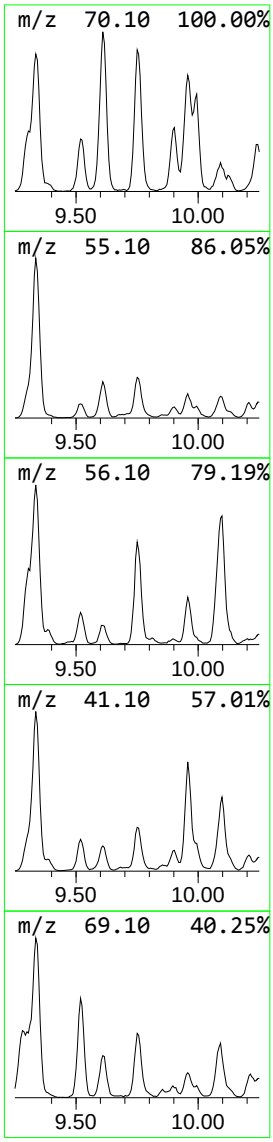
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic9.750 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	13.89 ug/L	468223	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	80
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	76
5	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

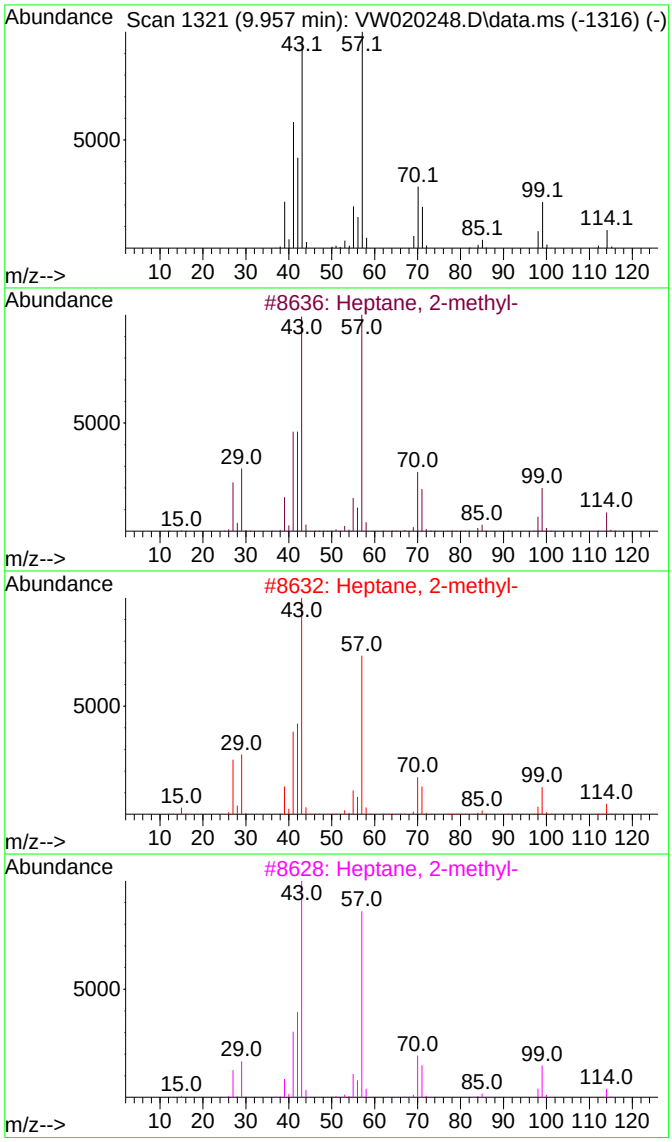
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

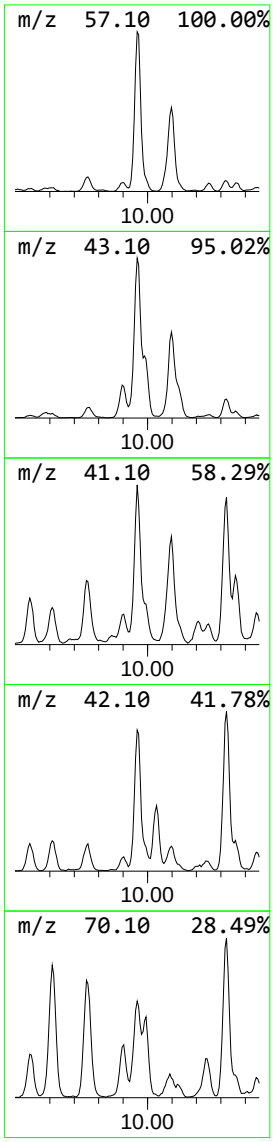
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	19.83 ug/L	668759	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

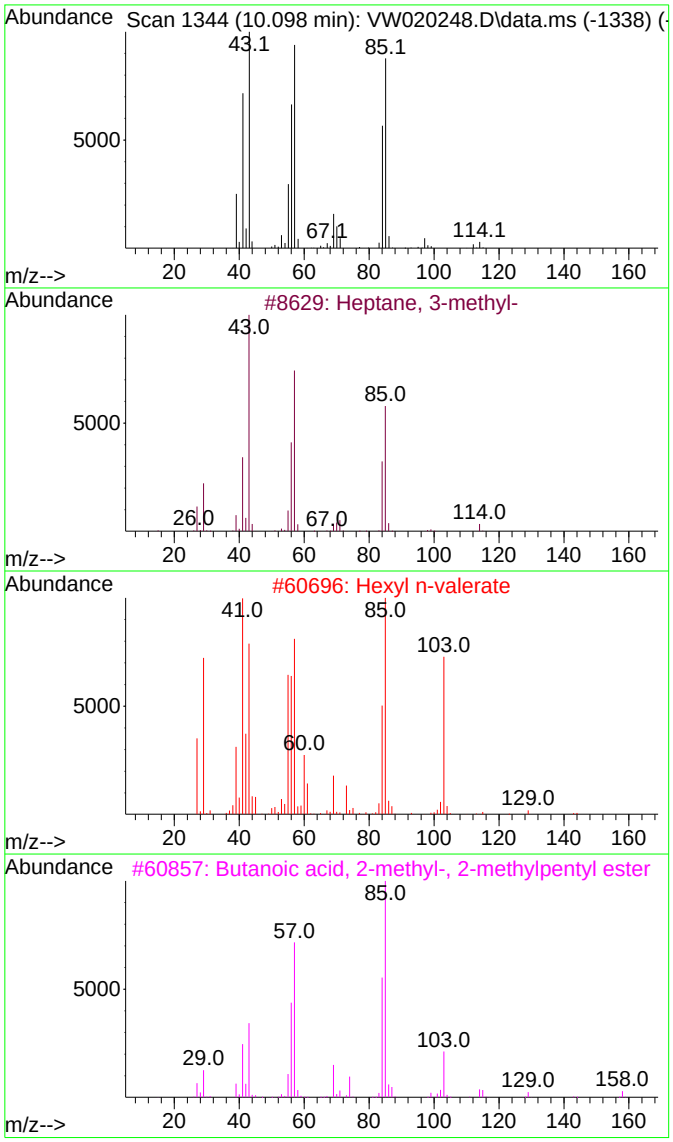
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

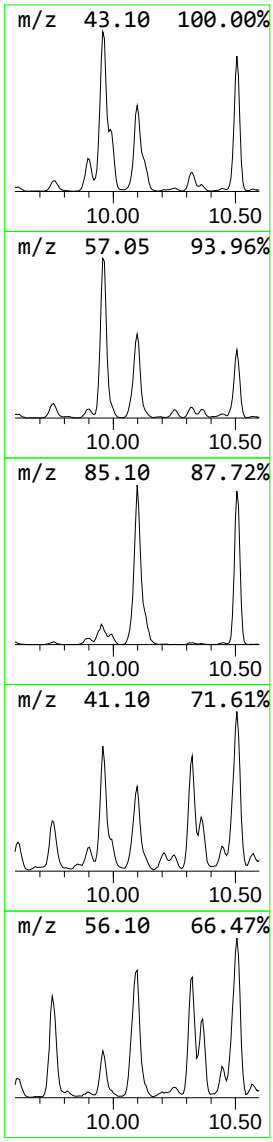
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	19.99 ug/L	674025	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexyl n-valerate	186	C11H22O2	001117-59-5	64
3	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	64
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

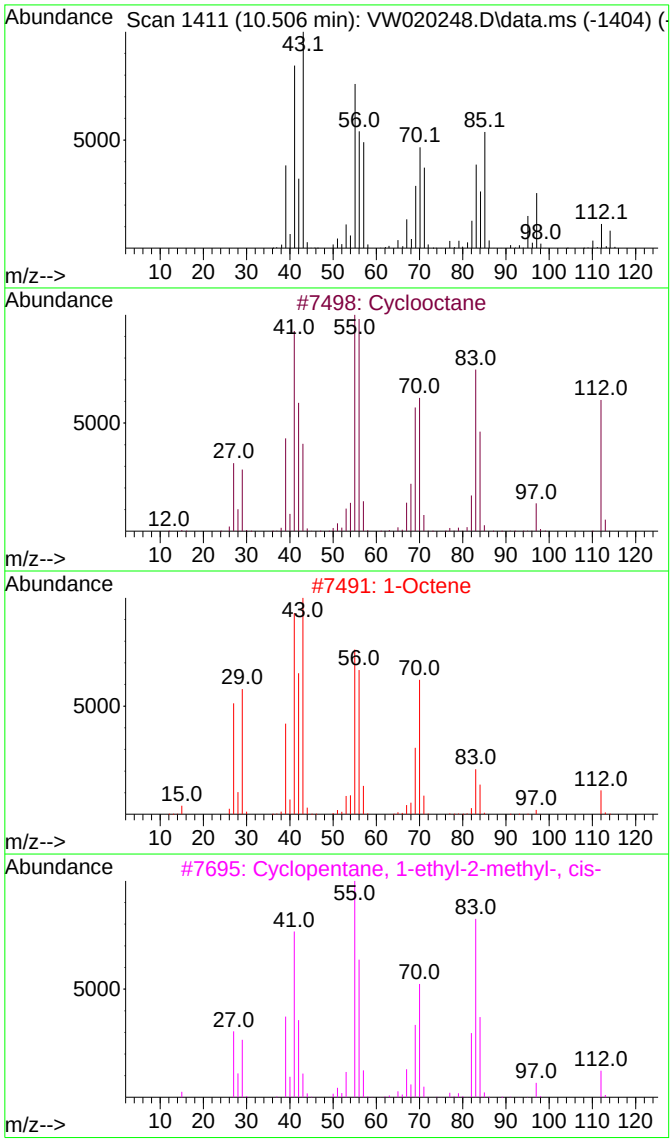
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

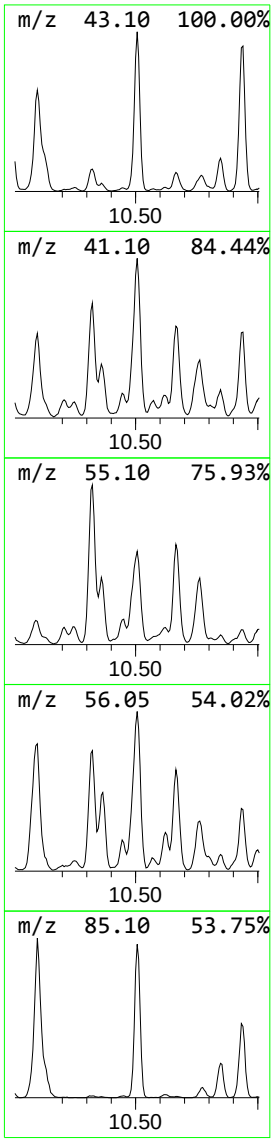
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic10.506 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	36.64 ug/L	1275020	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	49
2	1-Octene	112	C8H16	000111-66-0	41
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
4	2-Octene, (Z)-	112	C8H16	007642-04-8	38
5	2-Octene	112	C8H16	000111-67-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

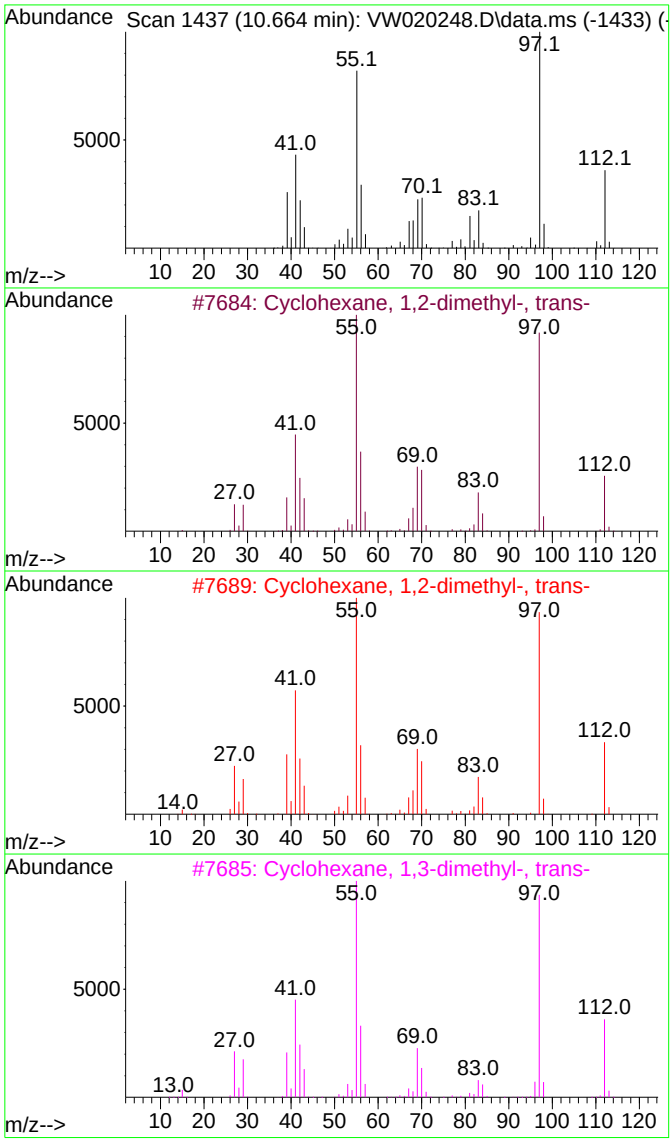
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

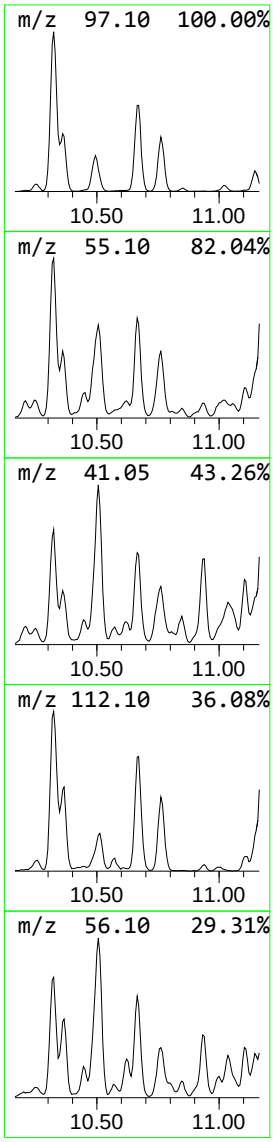
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic10.665 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	21.98 ug/L	764699	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

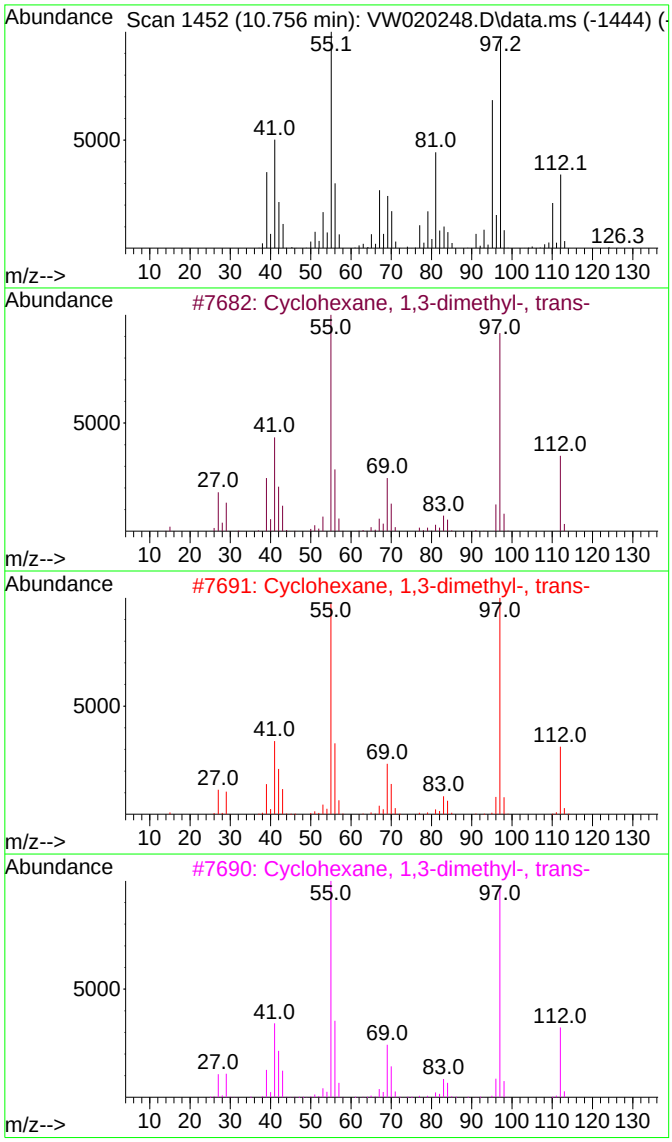
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

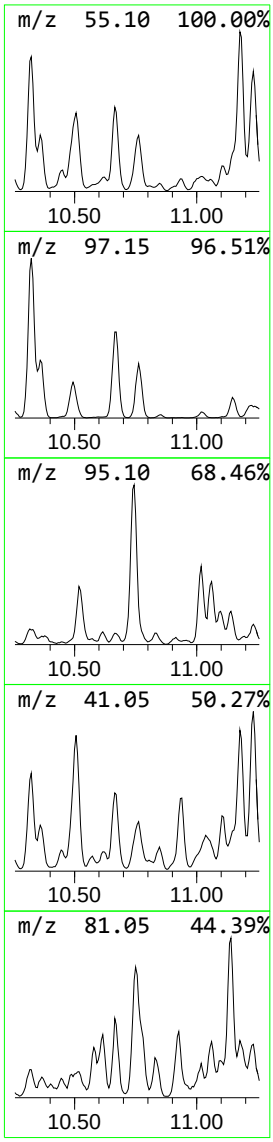
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic10.756 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	24.20 ug/L	842250	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

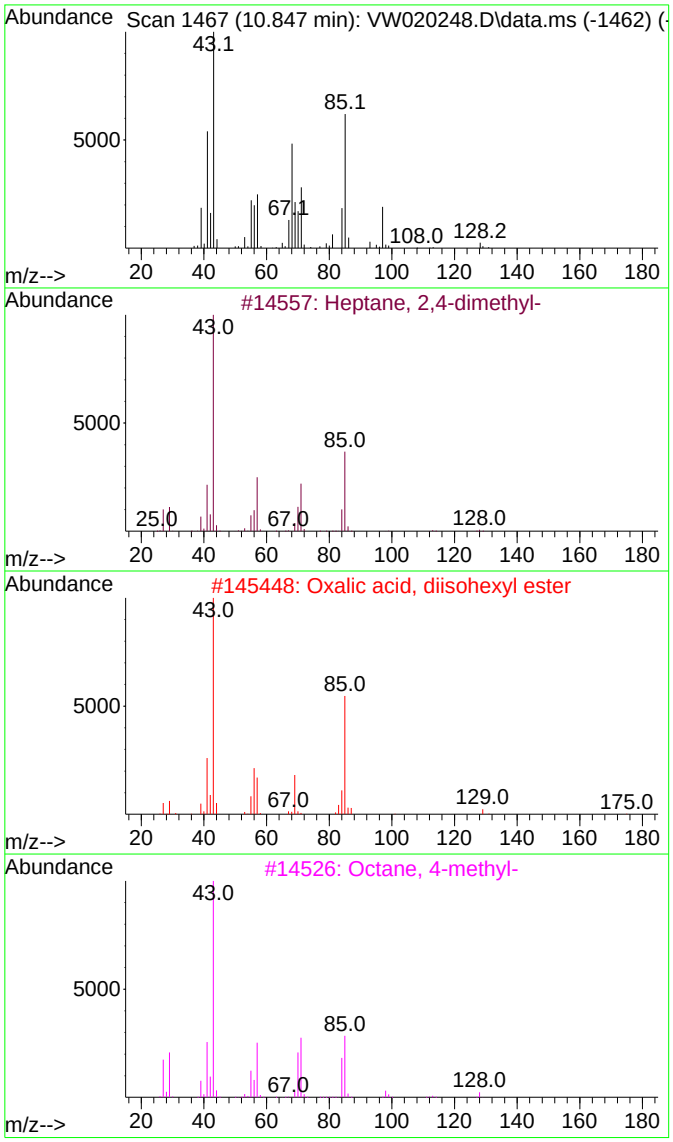
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

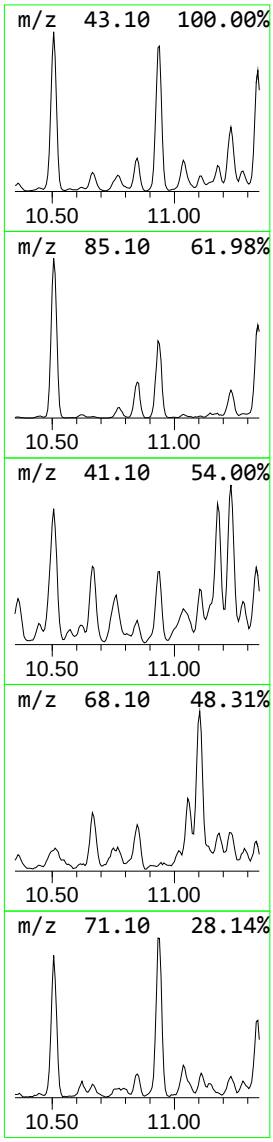
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	6.14 ug/L	213619	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
2	Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	38
3	Octane, 4-methyl-	128	C9H20	002216-34-4	38
4	Nonane	128	C9H20	000111-84-2	38
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

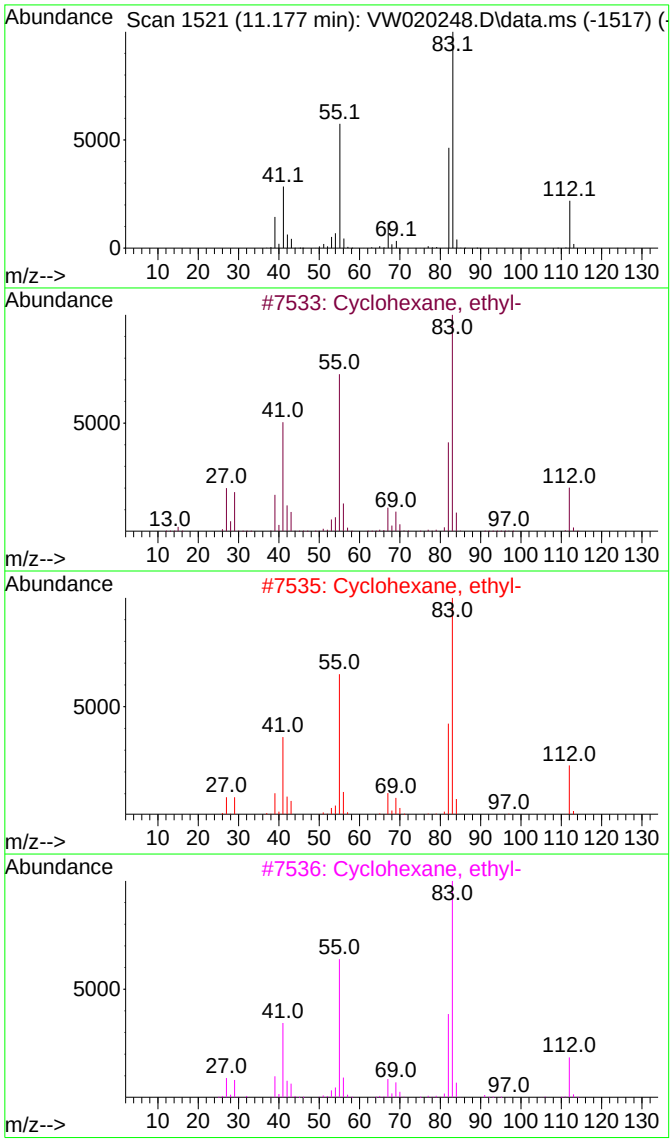
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

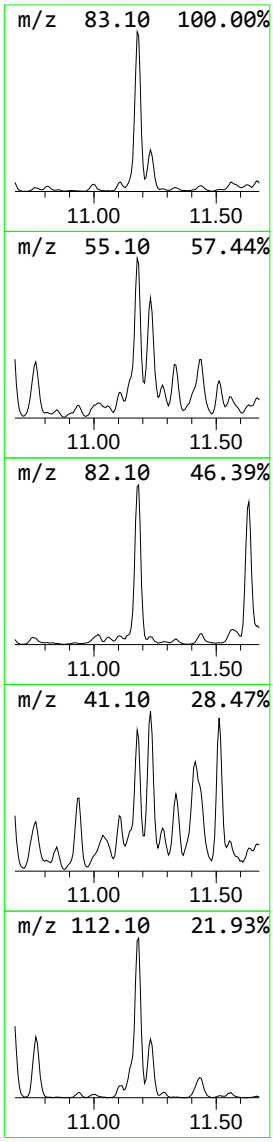
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.177 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	24.02 ug/L	835773	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

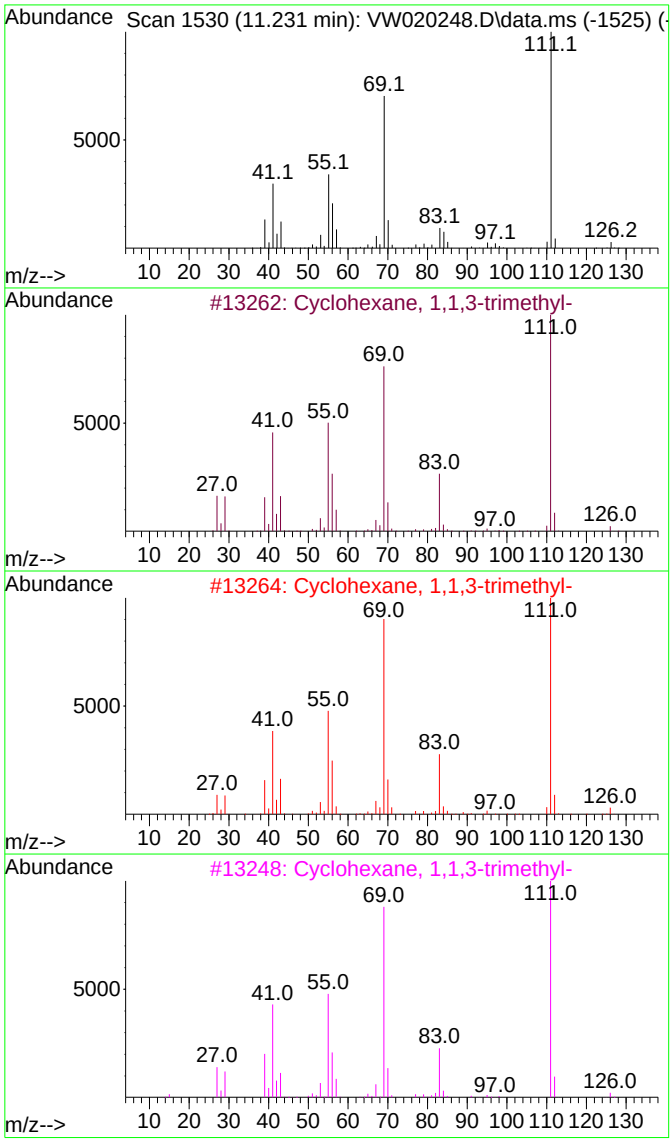
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

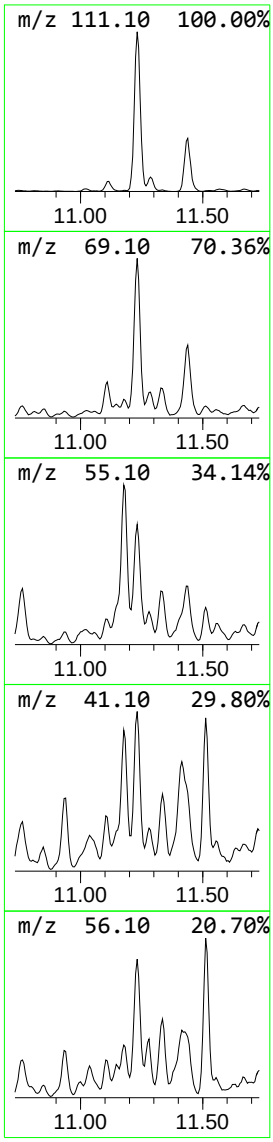
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.232 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	39.04 ug/L	1358340	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	56
5	2-Aminopyrimidine-1-oxide	111	C4H5N3O	035034-15-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

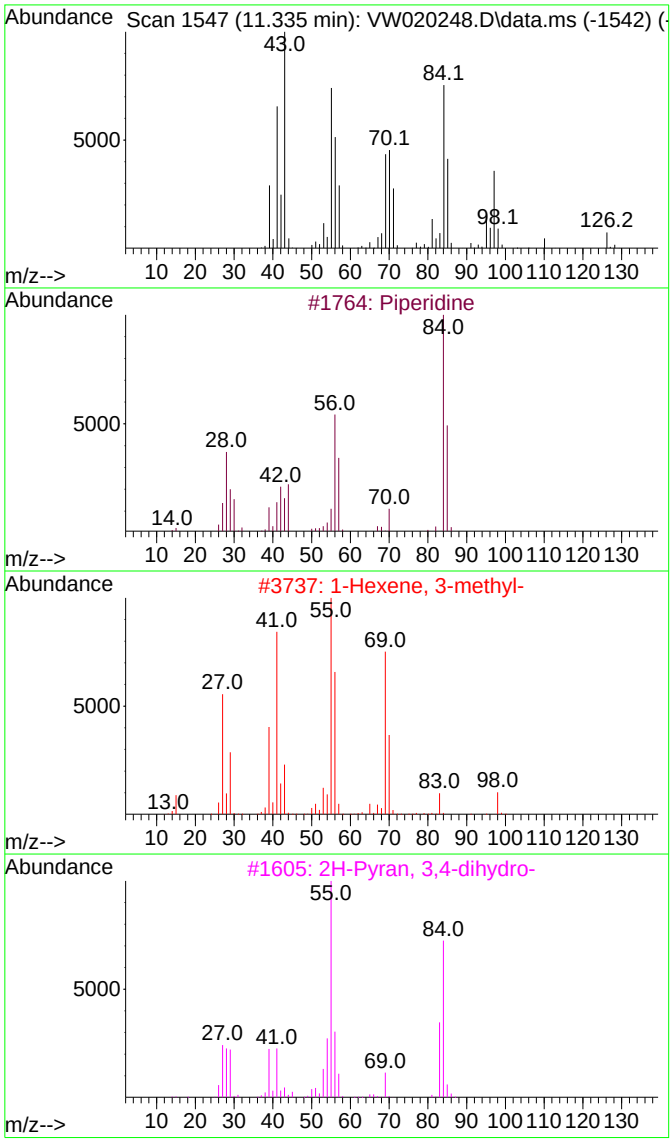
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

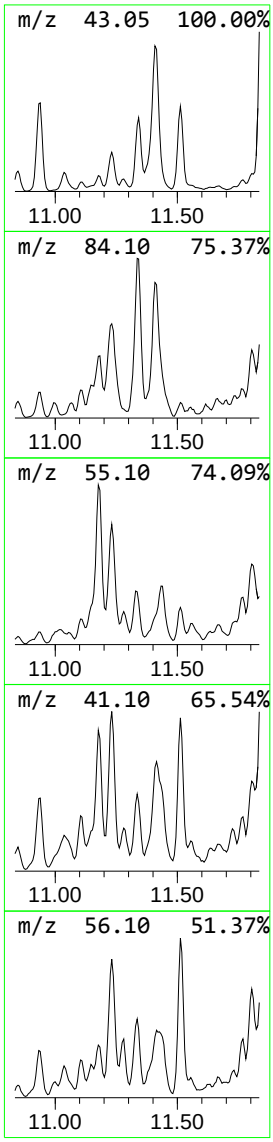
****

Peak Number 20 unknown-01 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	17.60 ug/L	612580	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	46
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35
3	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	30
4	1-Nonene	126	C9H18	000124-11-8	30
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

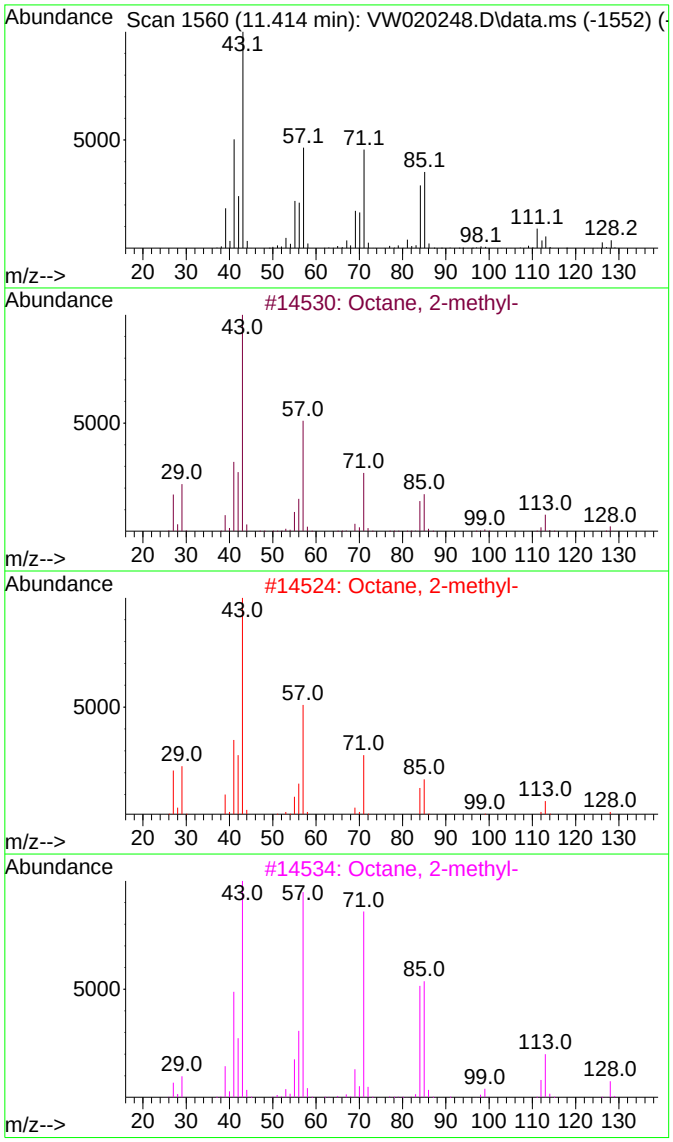
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

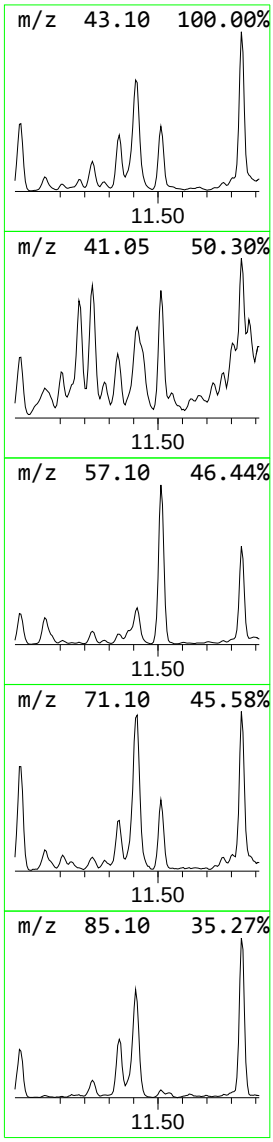
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.414	25.43 ug/L	885004	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Octane, 2-methyl-	128	C9H20	003221-61-2	58
4	Octane, 4-methyl-	128	C9H20	002216-34-4	58
5	Octane, 4-methyl-	128	C9H20	002216-34-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

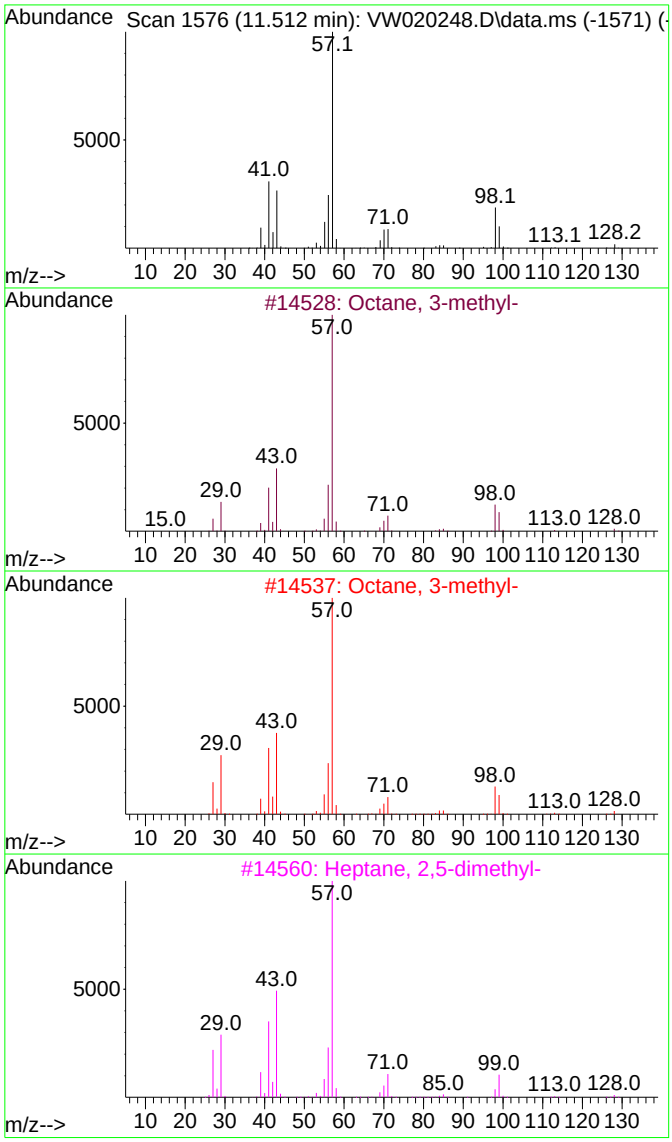
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

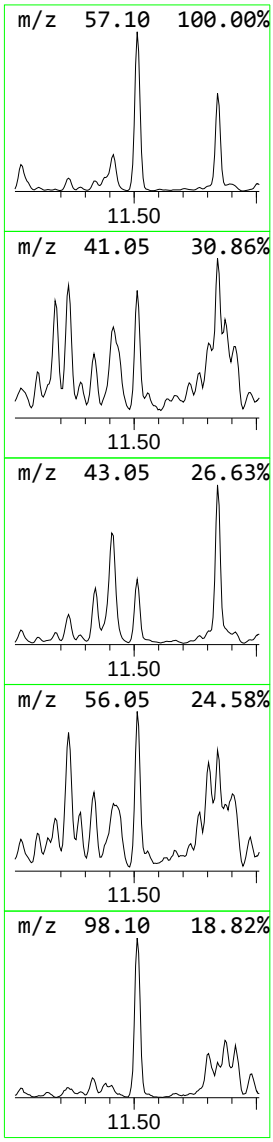
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	27.10 ug/L	943136	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

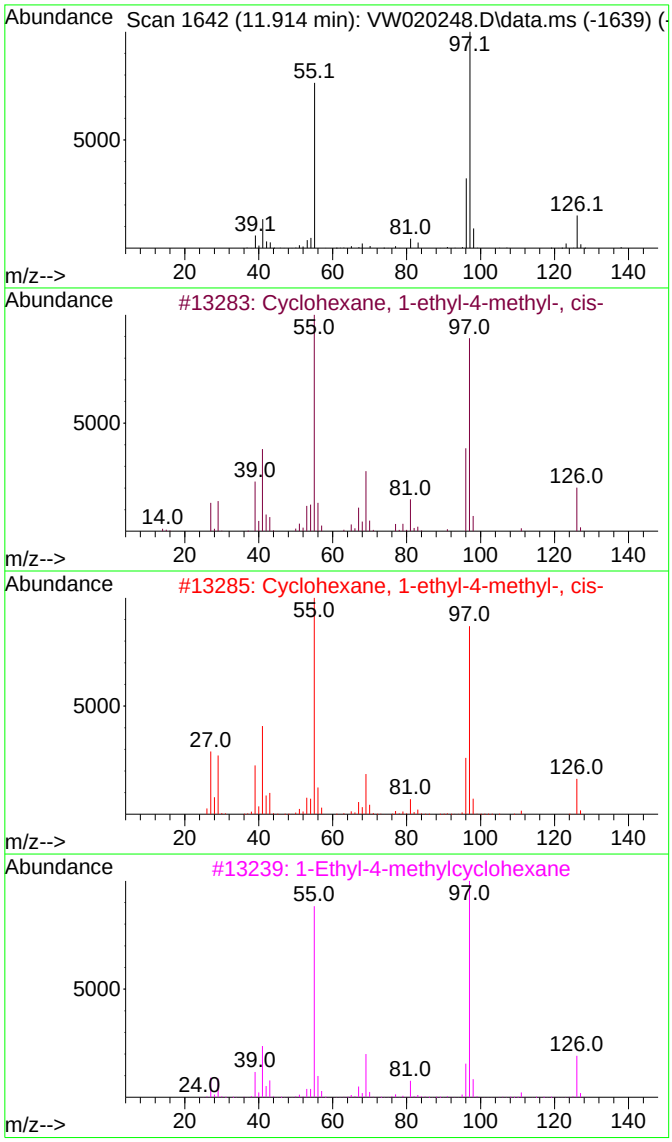
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

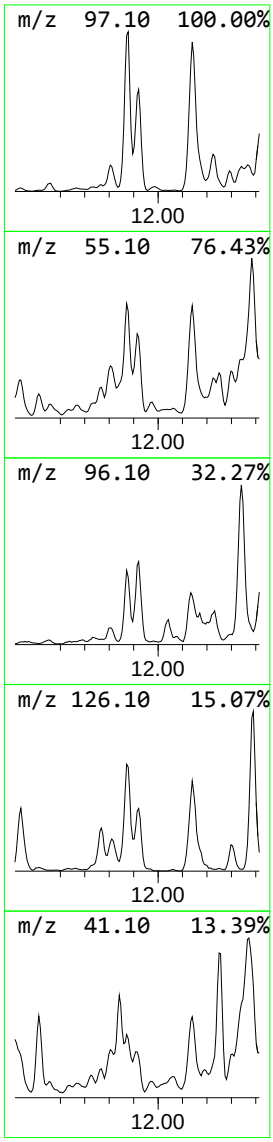
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.914 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	24.50 ug/L	852650	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
4	4-Octen-3-one	126	C8H14O	014129-48-7	72
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

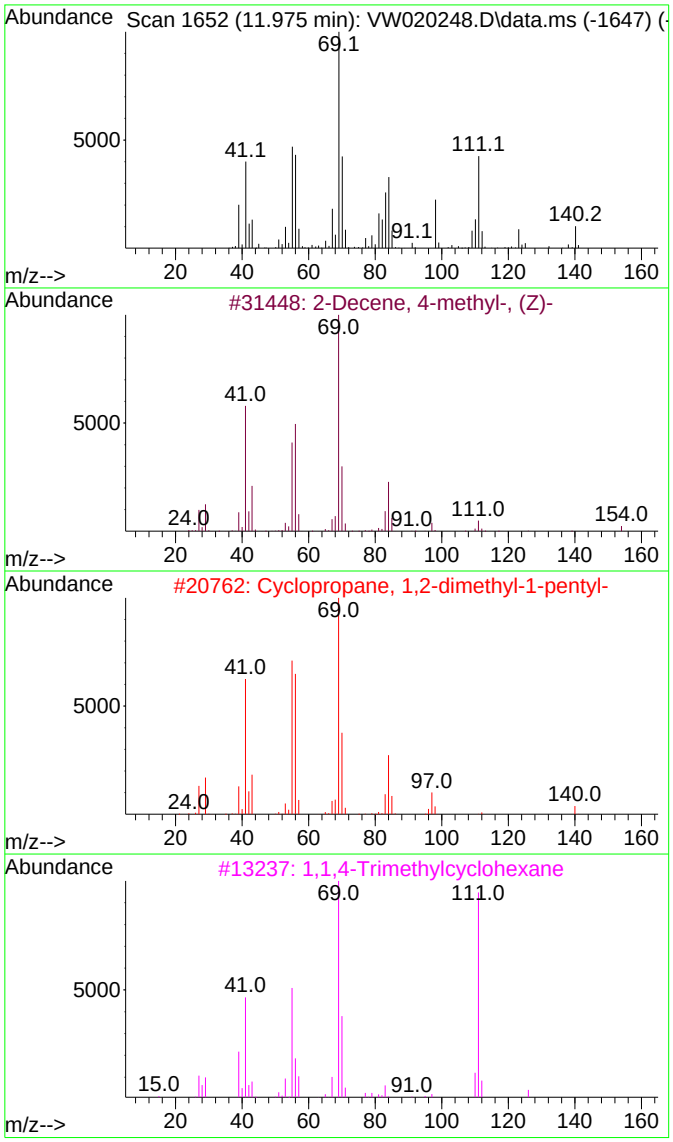
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

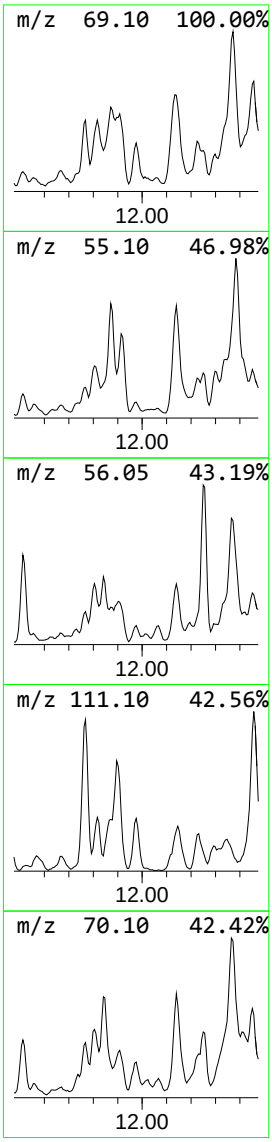
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	7.21 ug/L	250986	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	53
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	50
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

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

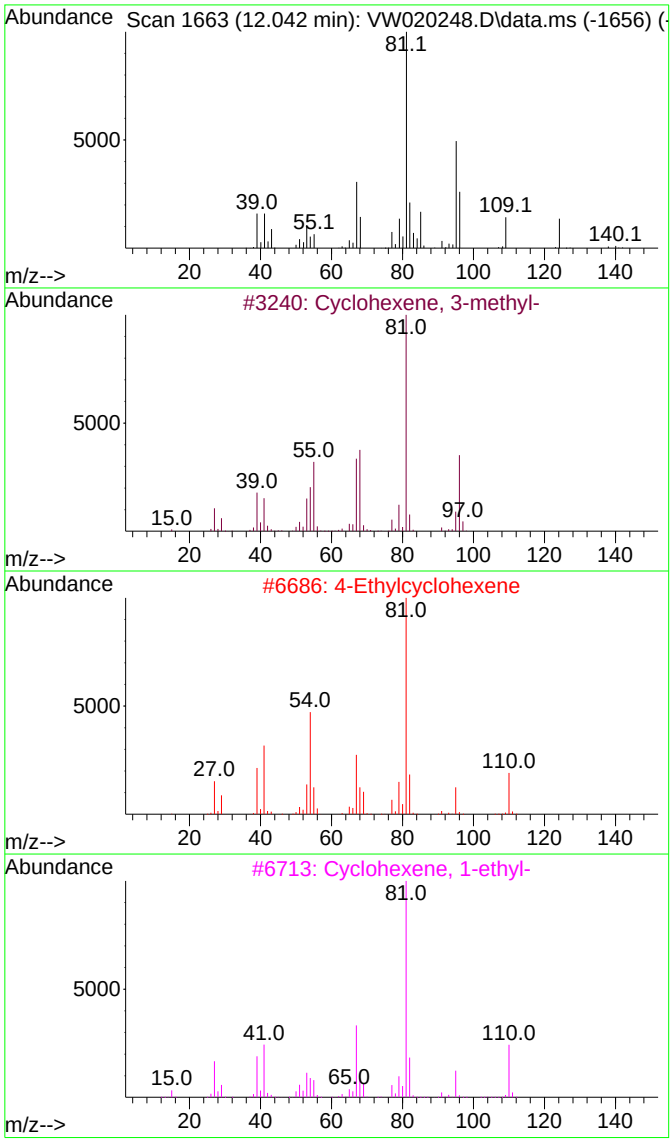
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

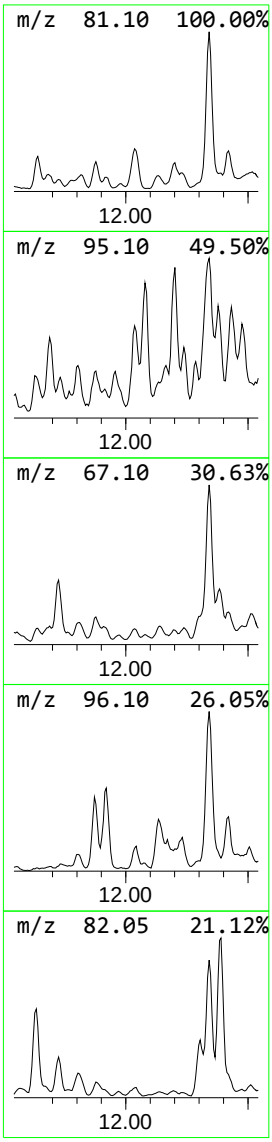
****

Peak Number 25 unknown-02 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	12.81 ug/L	445607	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
2	4-Ethylcyclohexene	110	C8H14	003742-42-5	47
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	47
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

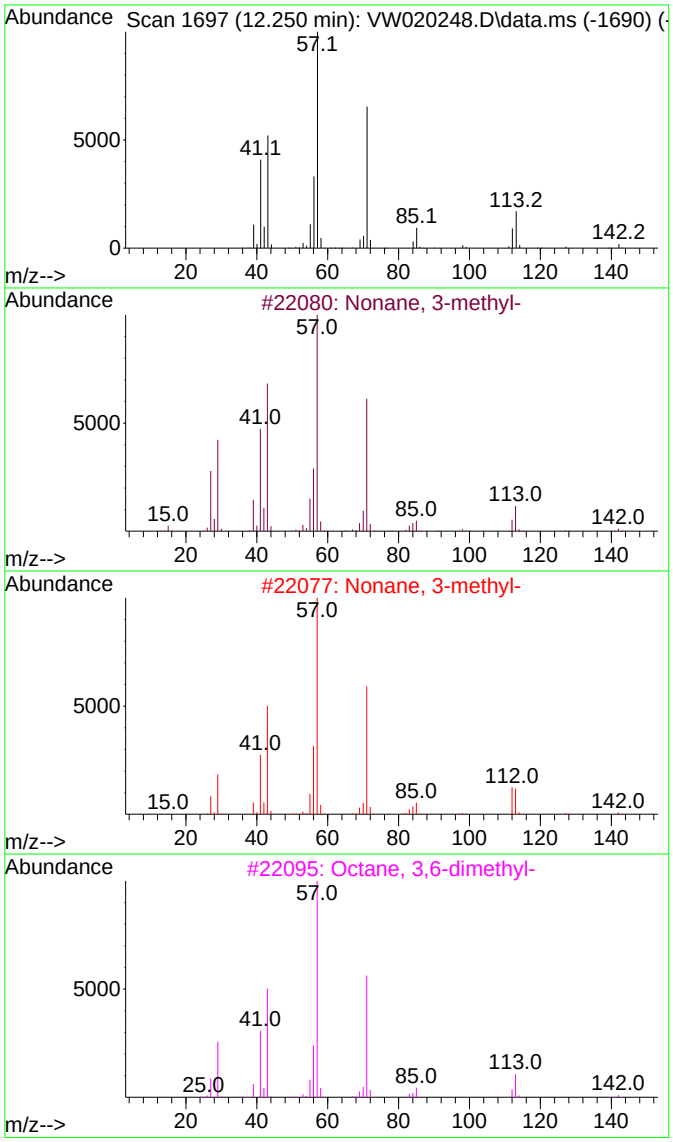
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

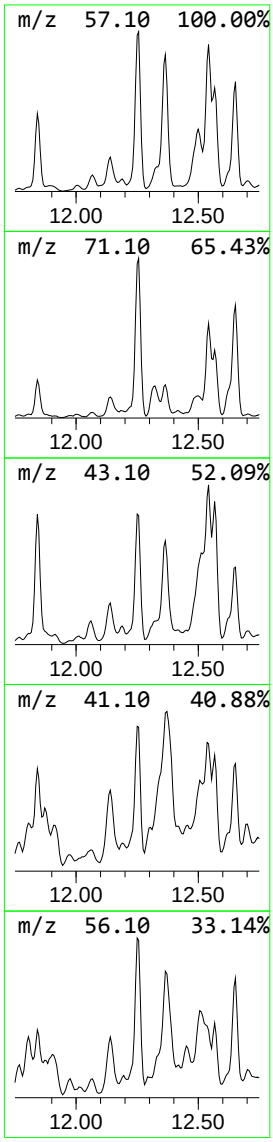
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	54.20 ug/L	1886180	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

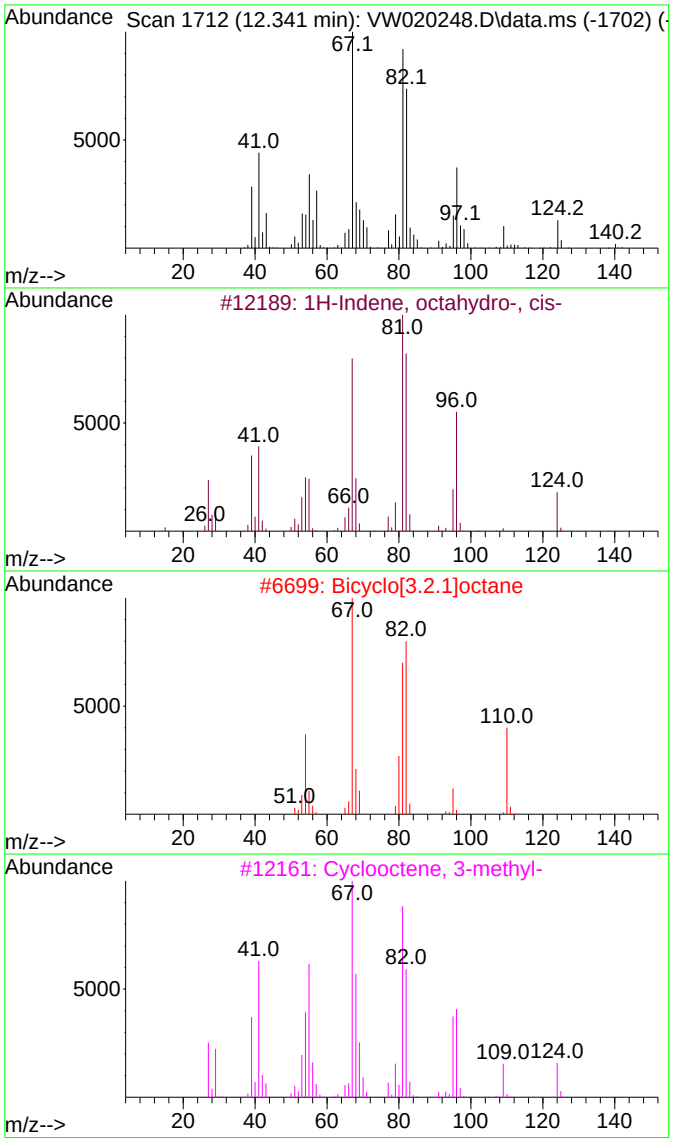
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

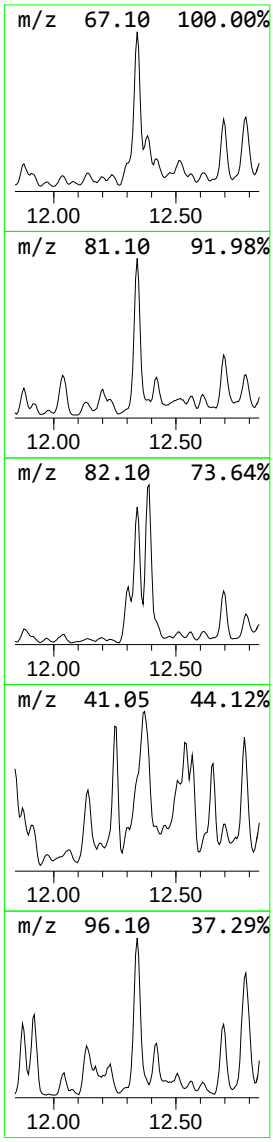
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, octahydro-, cis- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	61.76 ug/L	2149020	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	74
3	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	62
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	53
5	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

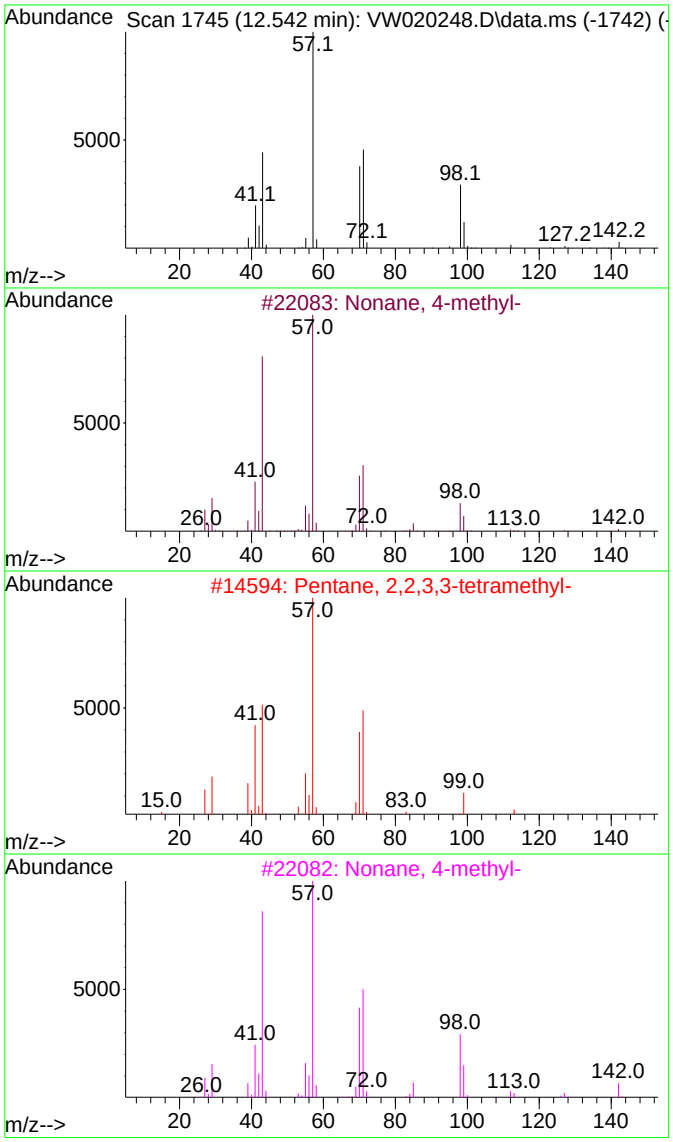
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

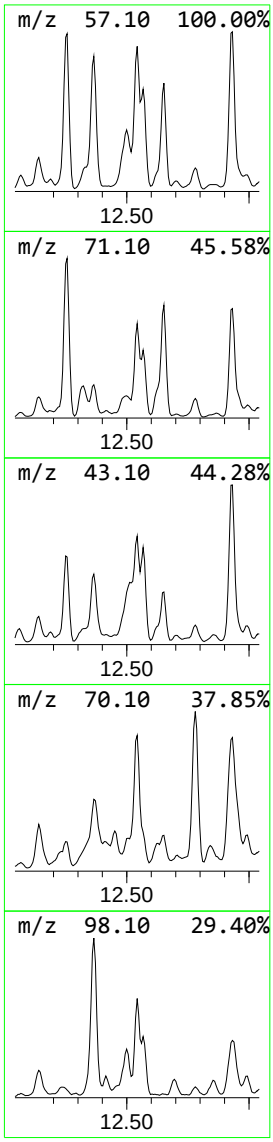
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.542	36.90 ug/L	1283890	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	56
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

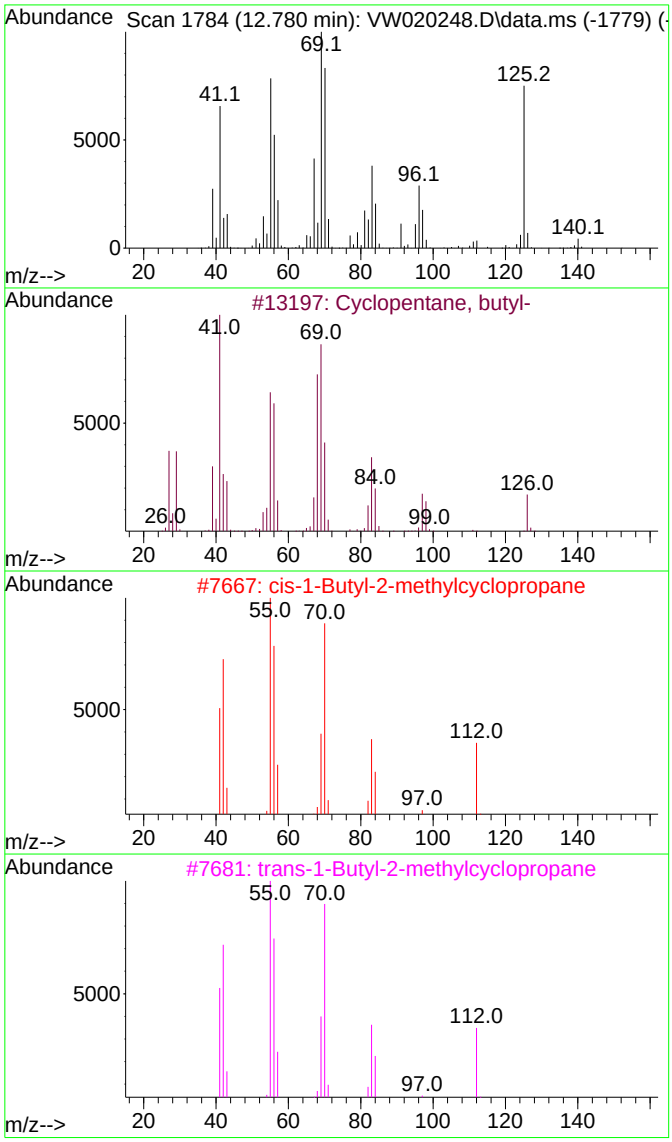
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

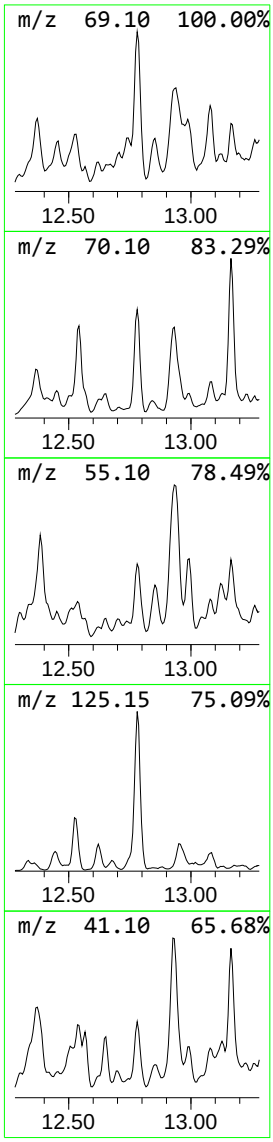
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic12.780 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	54.54 ug/L	2606980	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	50
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	45
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

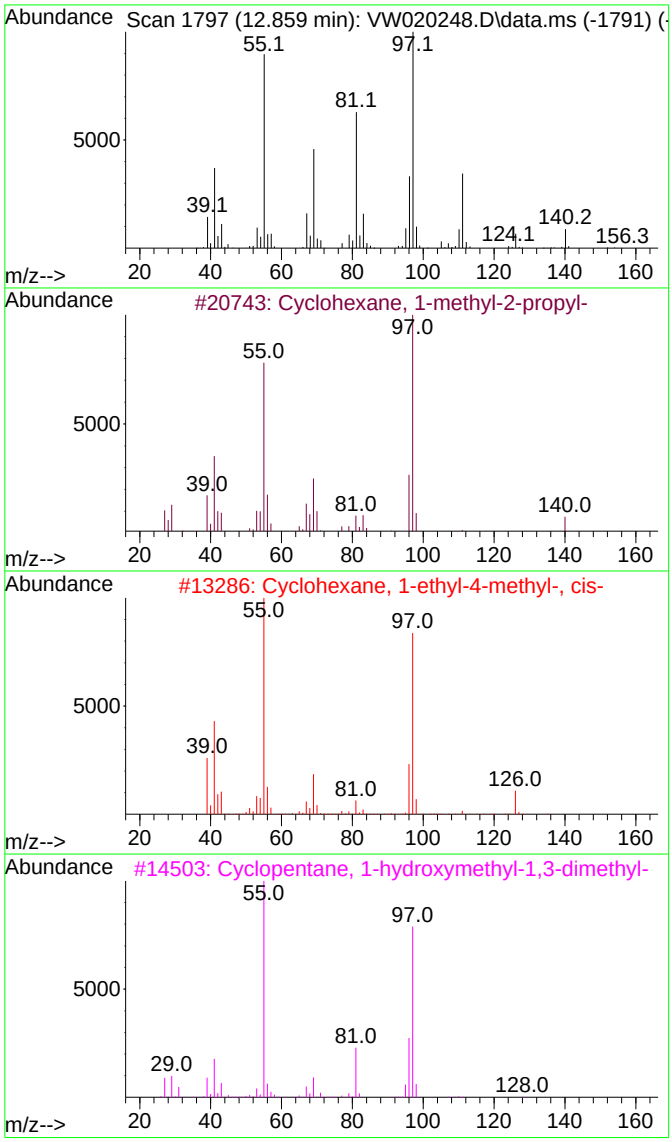
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

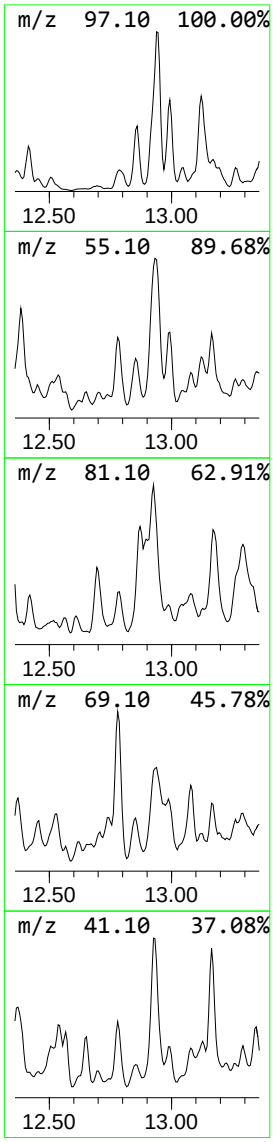
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic12.859 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	20.20 ug/L	965717	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	74
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	59
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

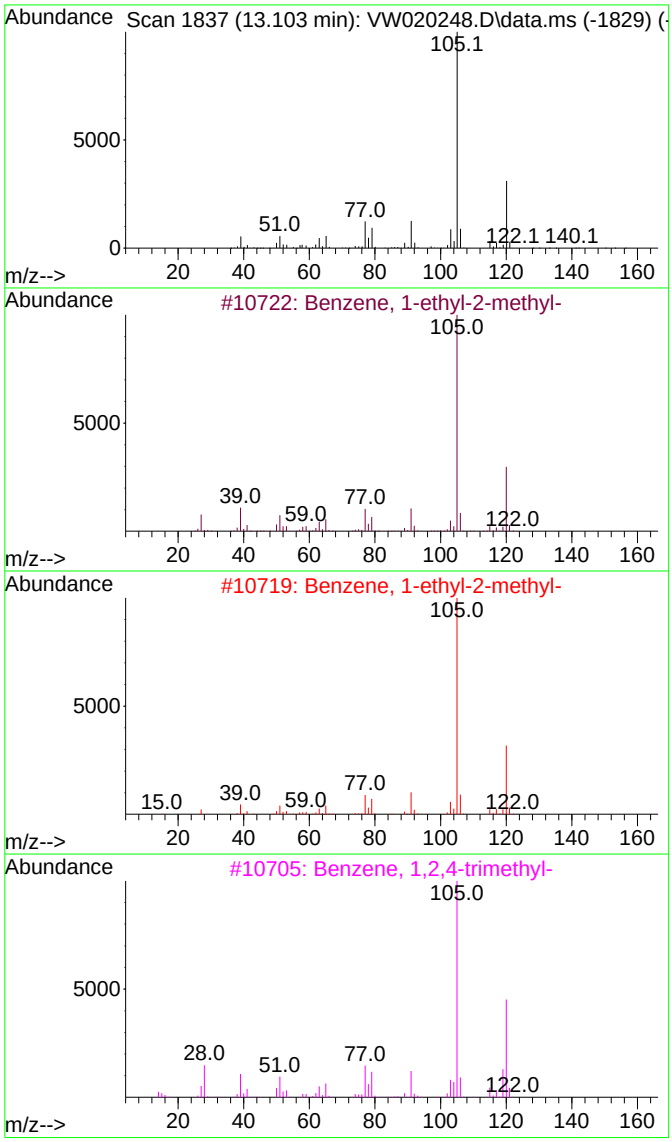
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

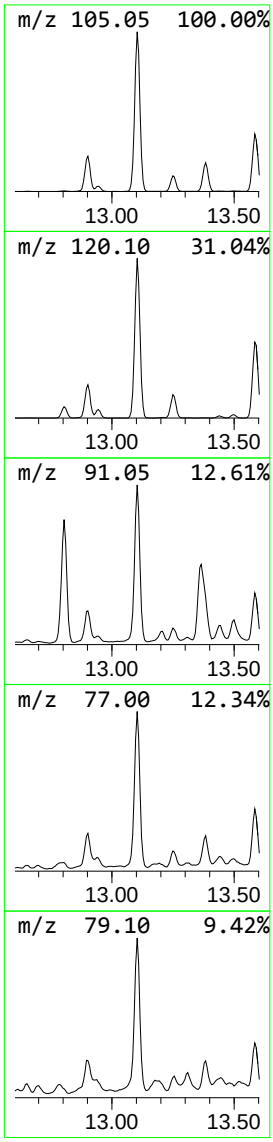
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	194.50 ug/L	9297640	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

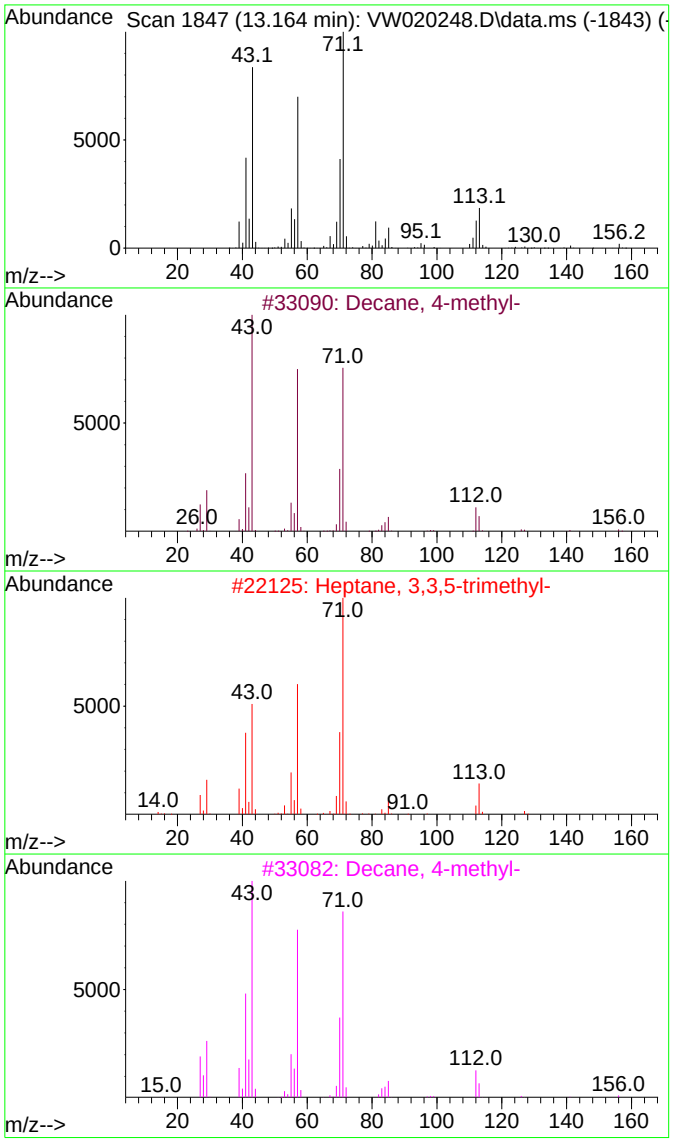
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

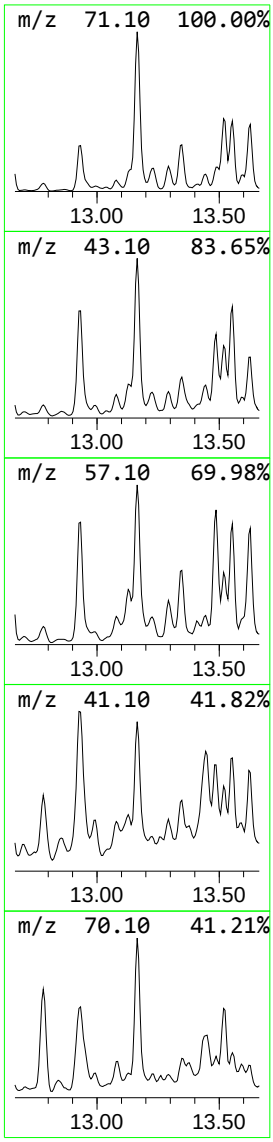
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	73.48 ug/L	3512620	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
3	Decane, 4-methyl-	156	C11H24	002847-72-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

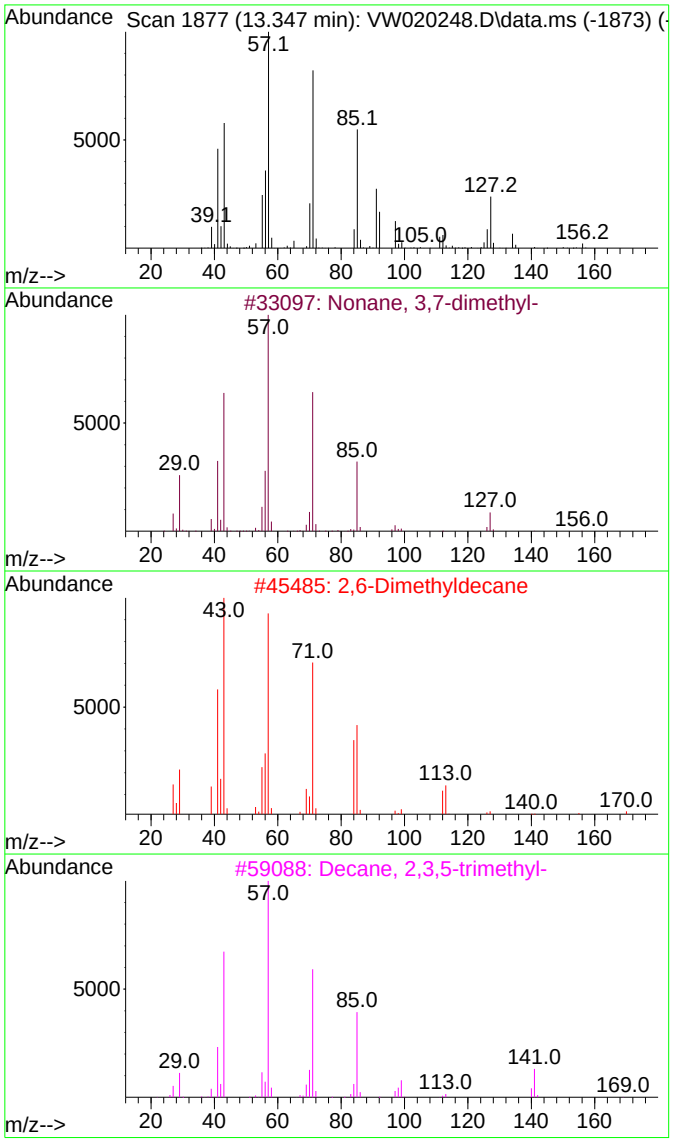
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

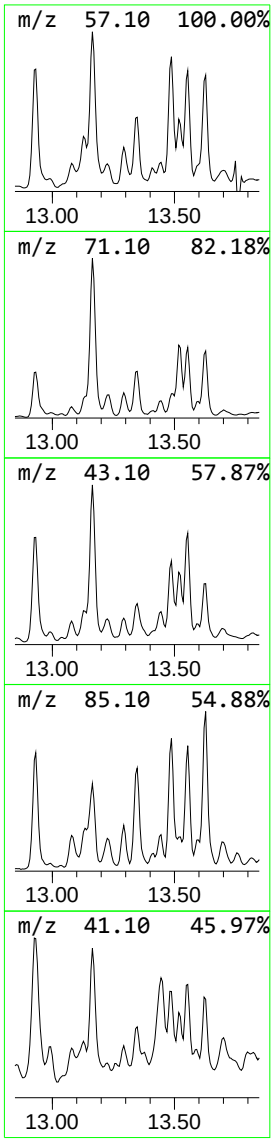
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.347	21.34 ug/L	1020240	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	59
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4	Decane, 3-methyl-	156	C11H24	013151-34-3	58
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

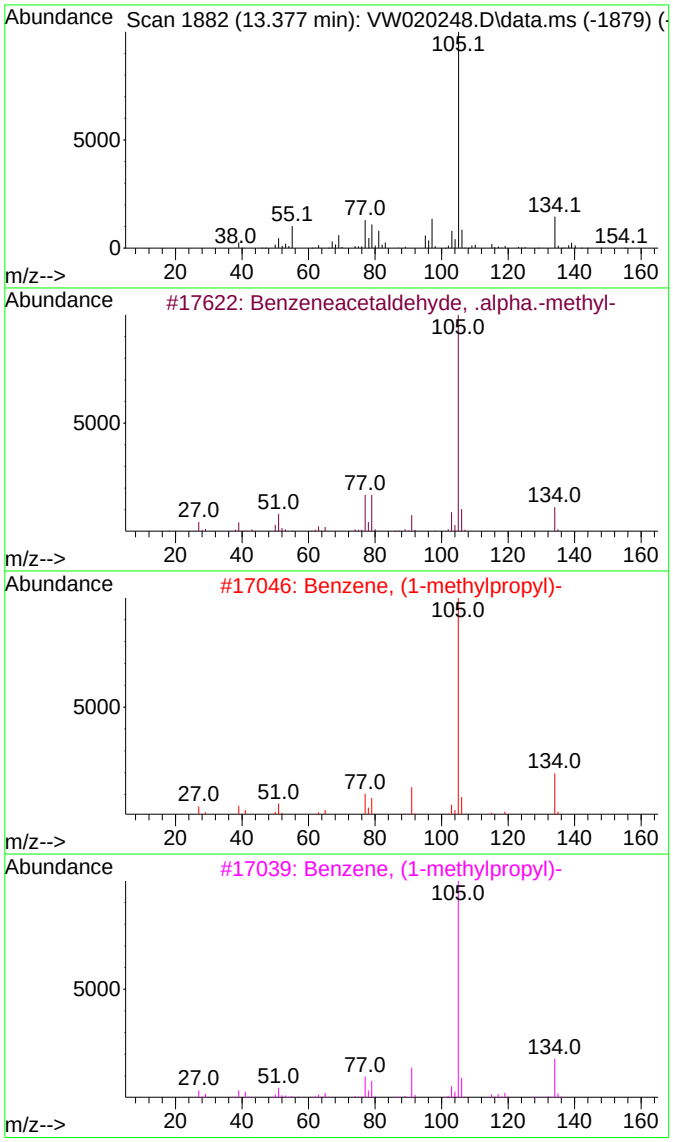
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

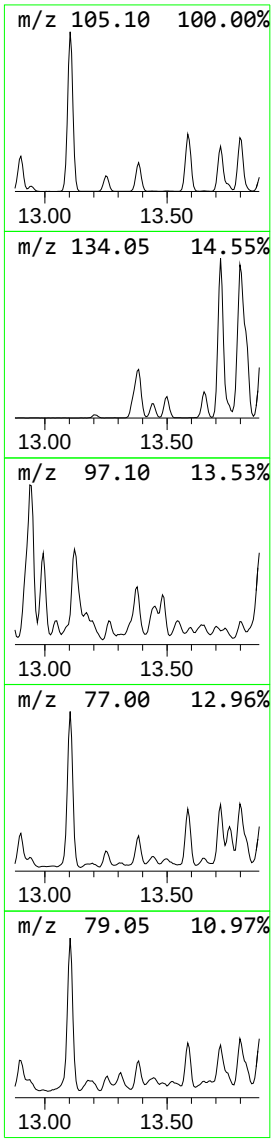
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzeneacetaldehyde, .alpha... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	24.54 ug/L	1173000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	68
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	64
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

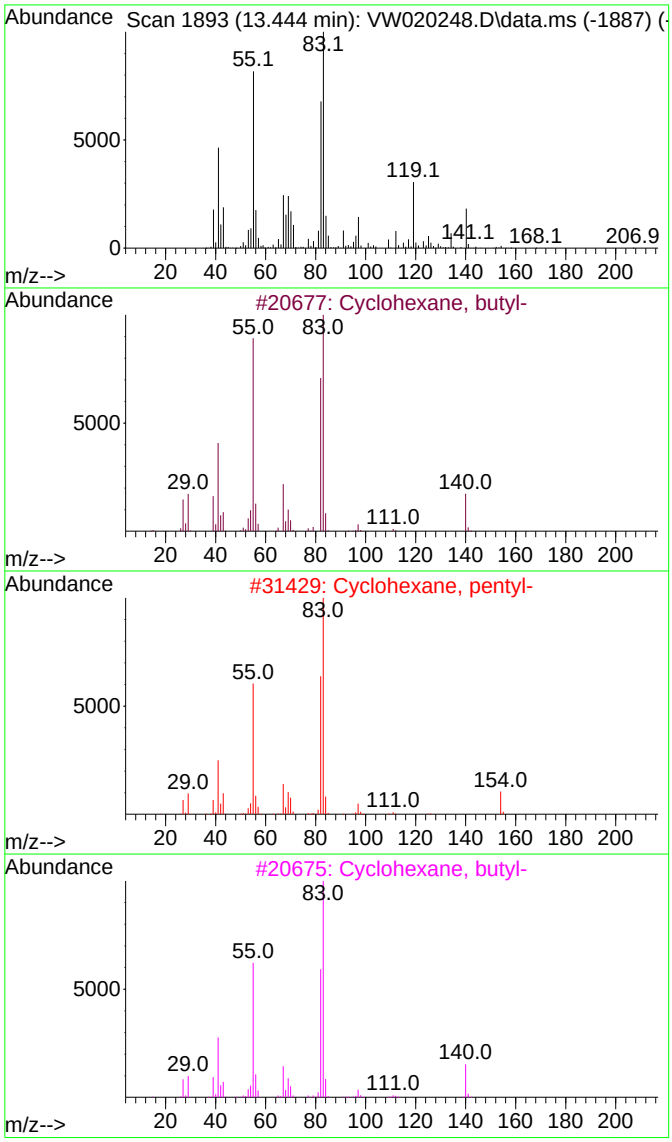
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

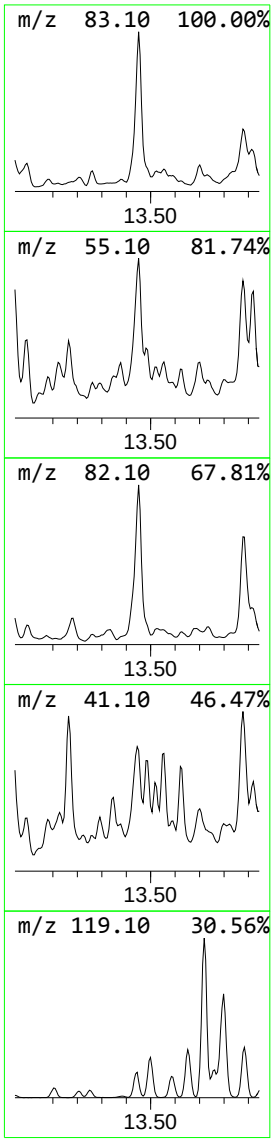
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic13.445 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	74.88 ug/L	3579290	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

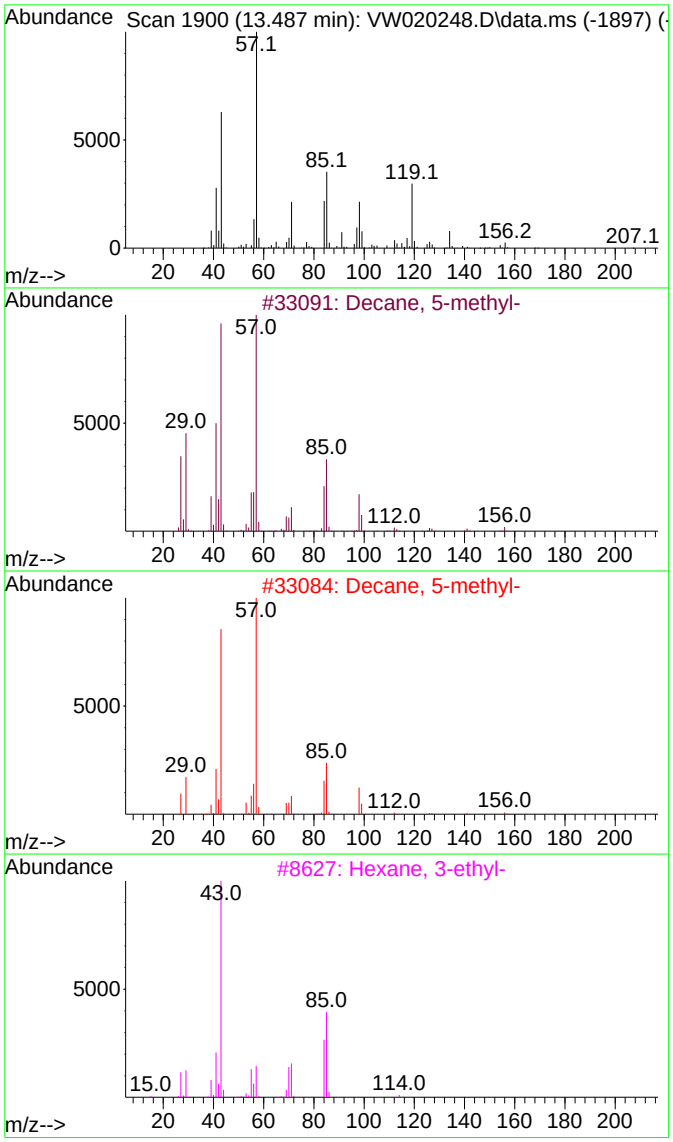
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

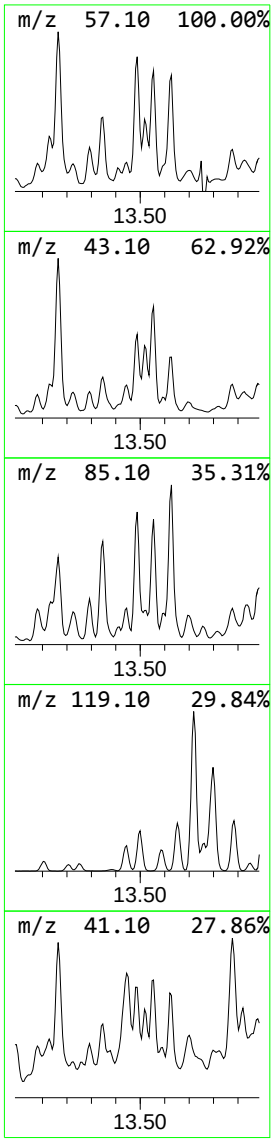
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	26.78 ug/L	1280170	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	58
2	Decane, 5-methyl-	156	C11H24	013151-35-4	47
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	35
5	Tridecane, 5-methyl-	198	C14H30	025117-31-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

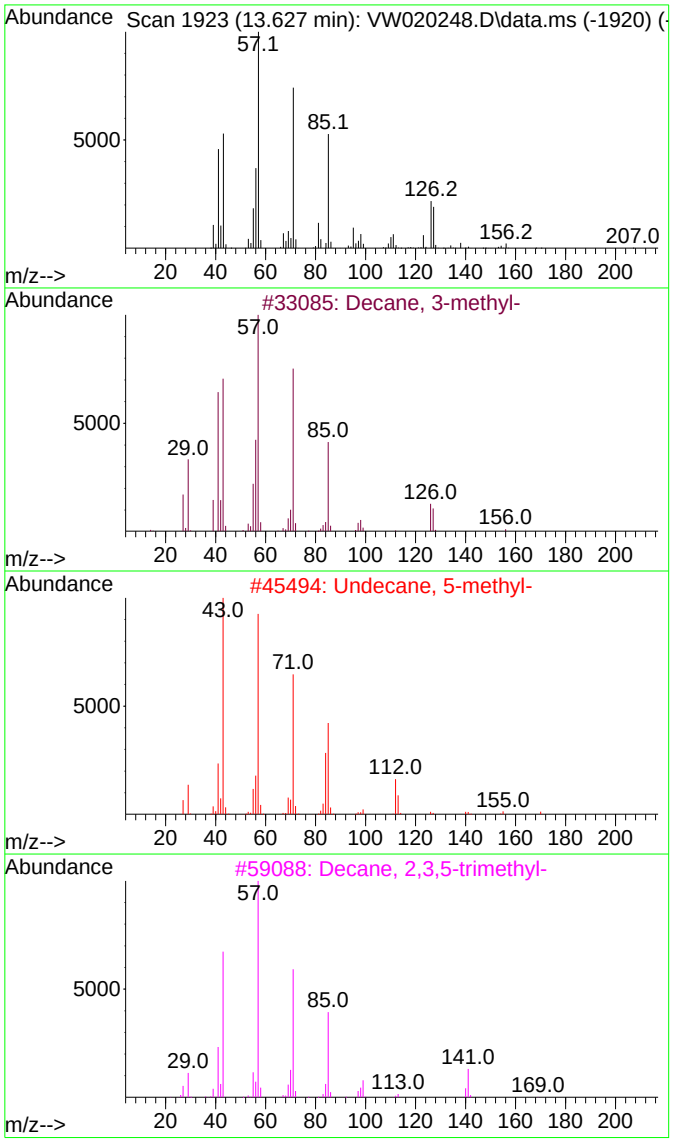
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

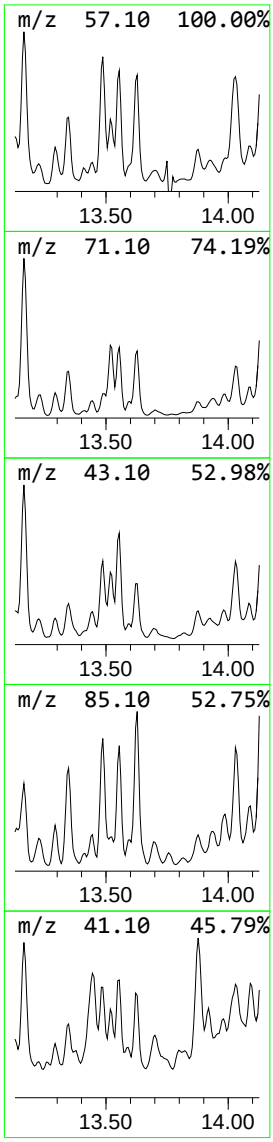
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.627	33.77 ug/L	1614170	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	50
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

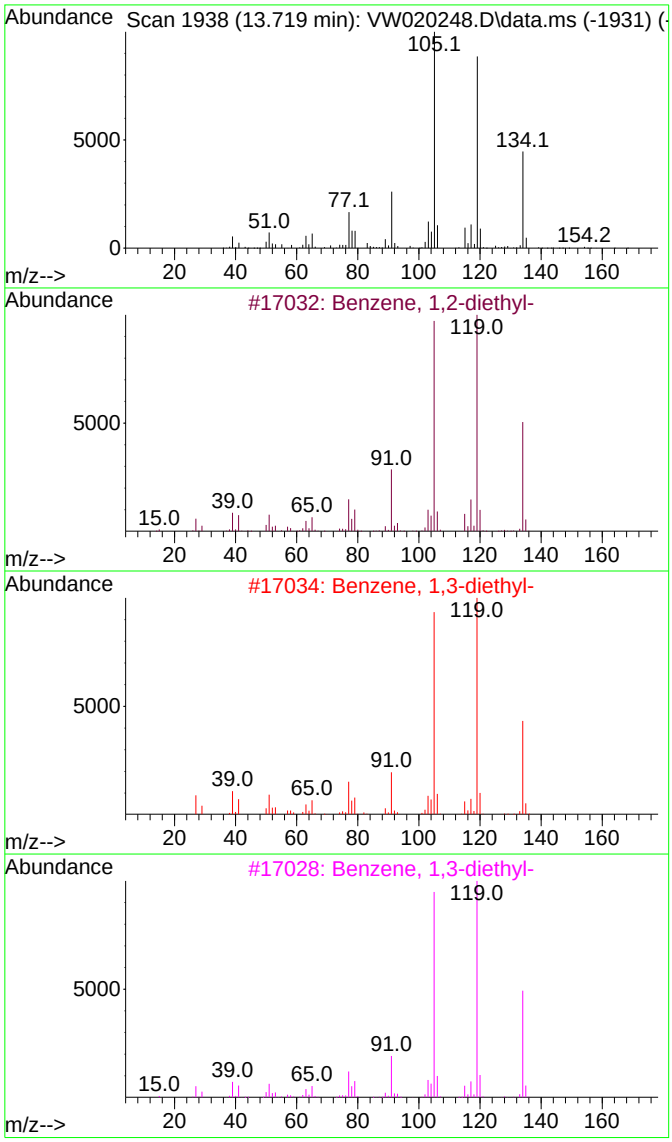
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

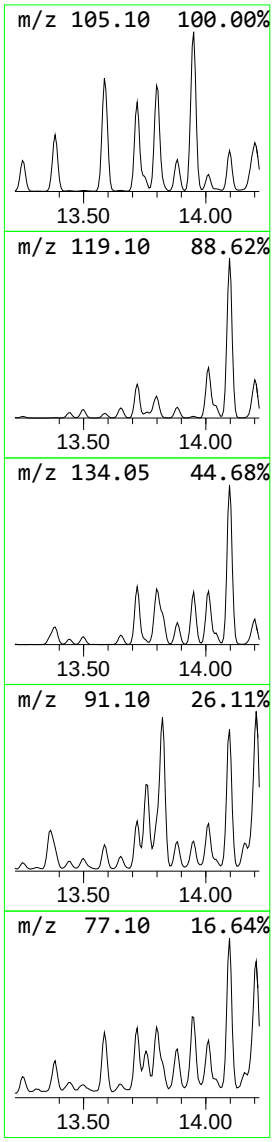
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1,2-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	92.05 ug/L	4400370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

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

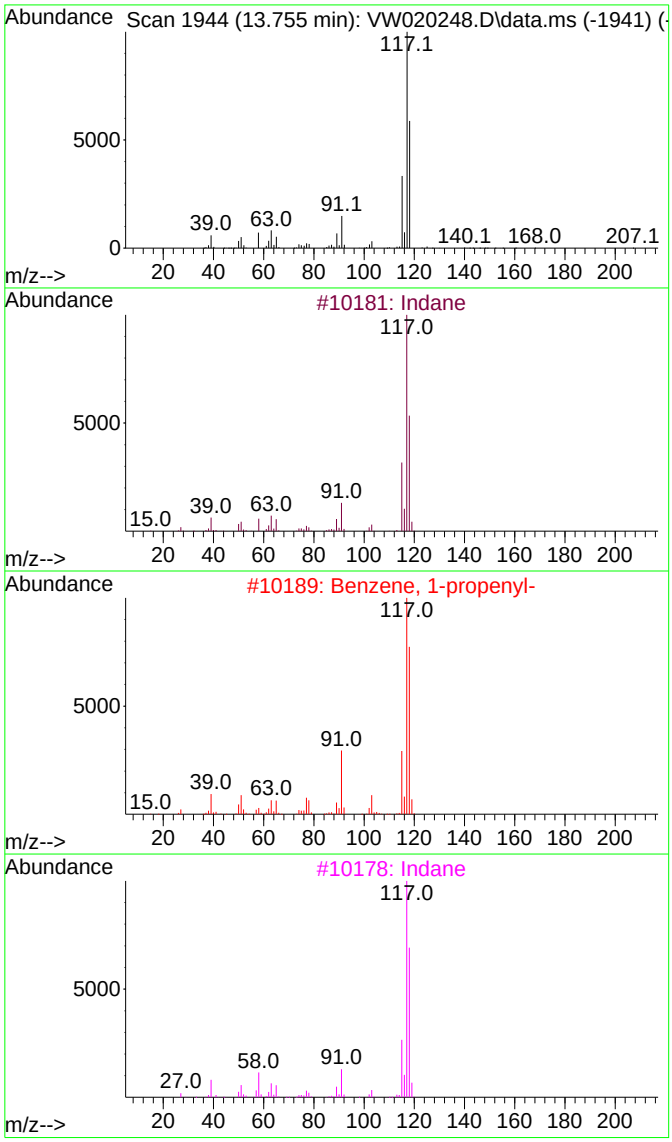
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

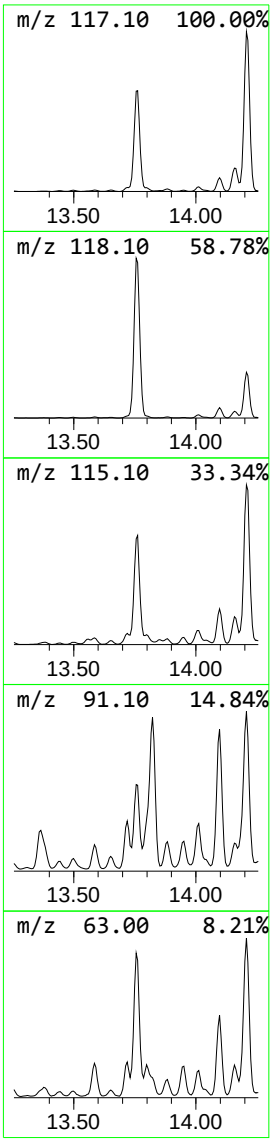
****

Peak Number 41 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	123.39 ug/L	5898240	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Indane	118	C9H10	000496-11-7	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

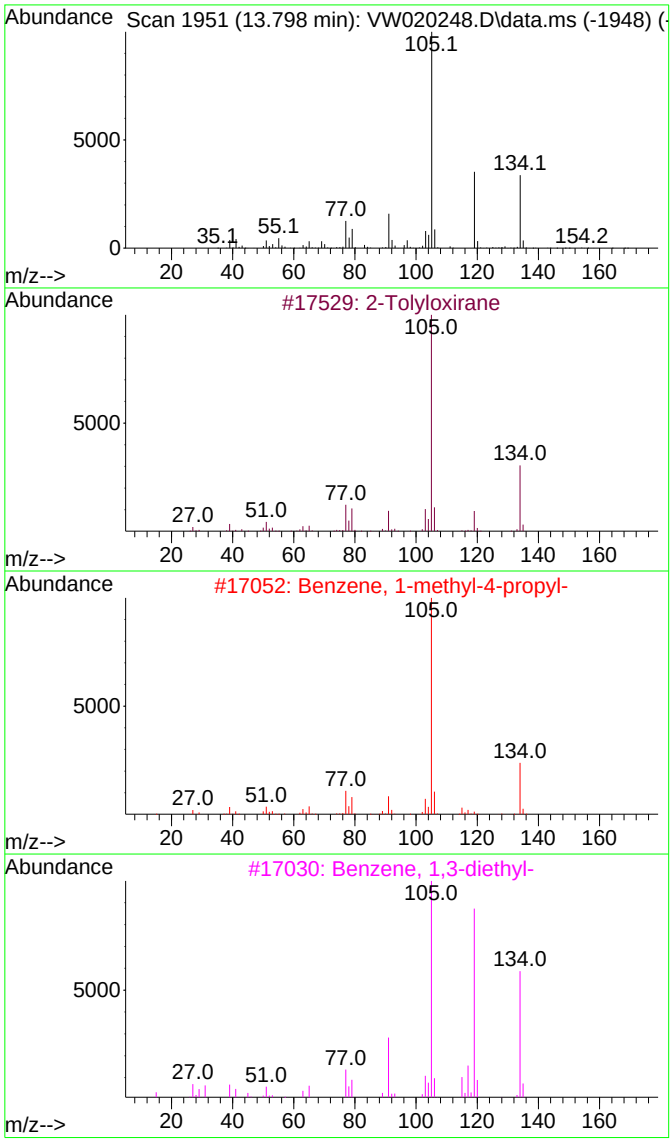
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

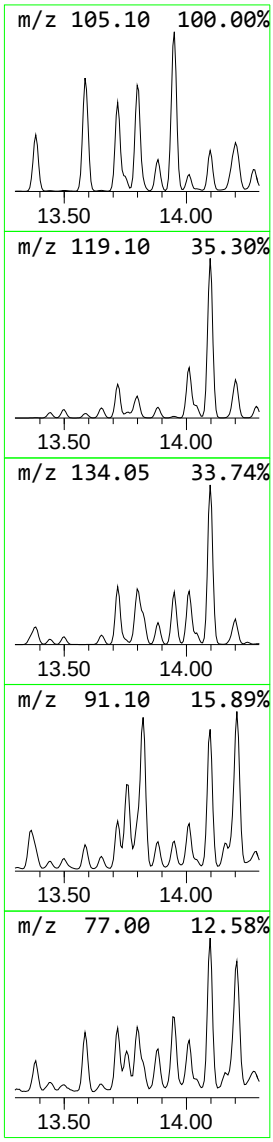
****

Peak Number 42 2-Tolyloxirane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	85.99 ug/L	4110400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	76
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	59
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

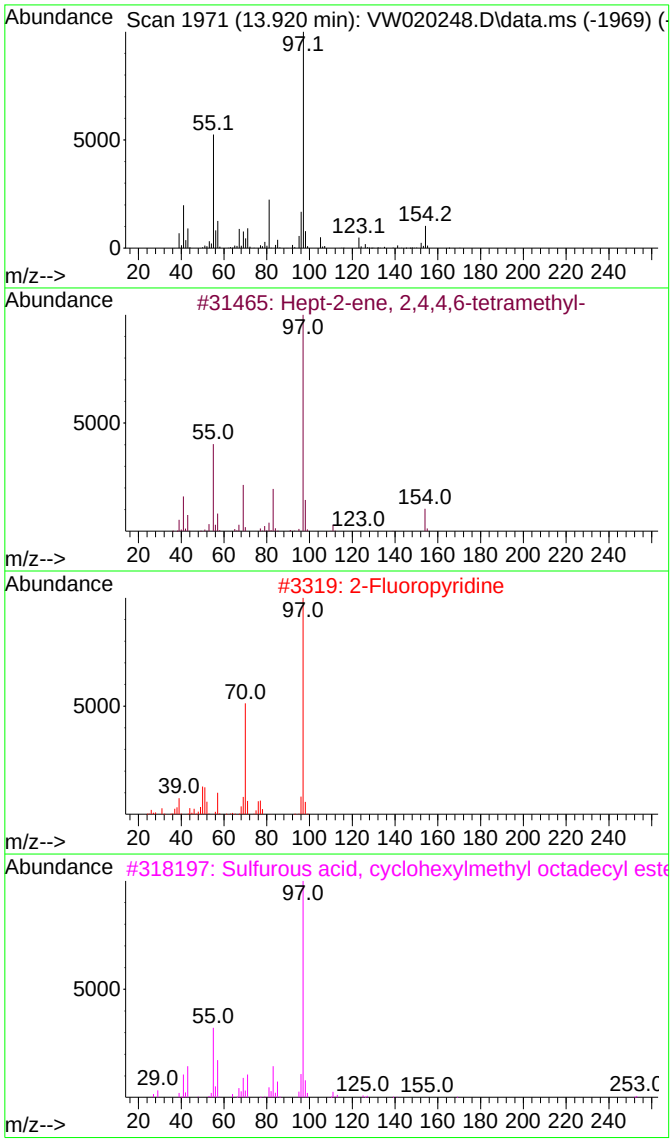
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

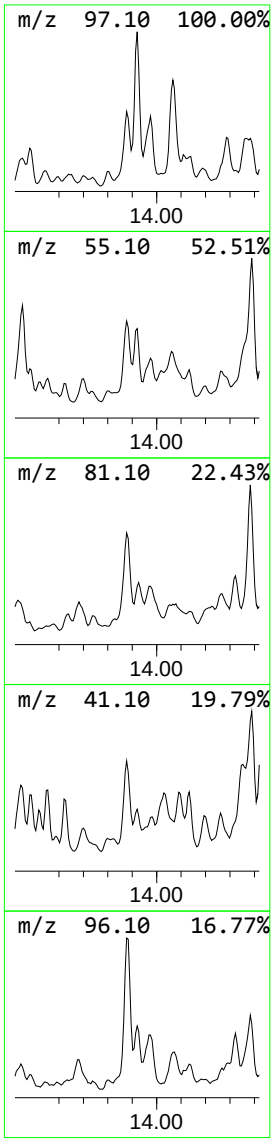
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.920	9.07 ug/L	433465	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	59
2	2-Fluoropyridine	97	C5H4FN	000372-48-5	59
3	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	59
4	4-Octen-3-one	126	C8H14O	014129-48-7	53
5	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

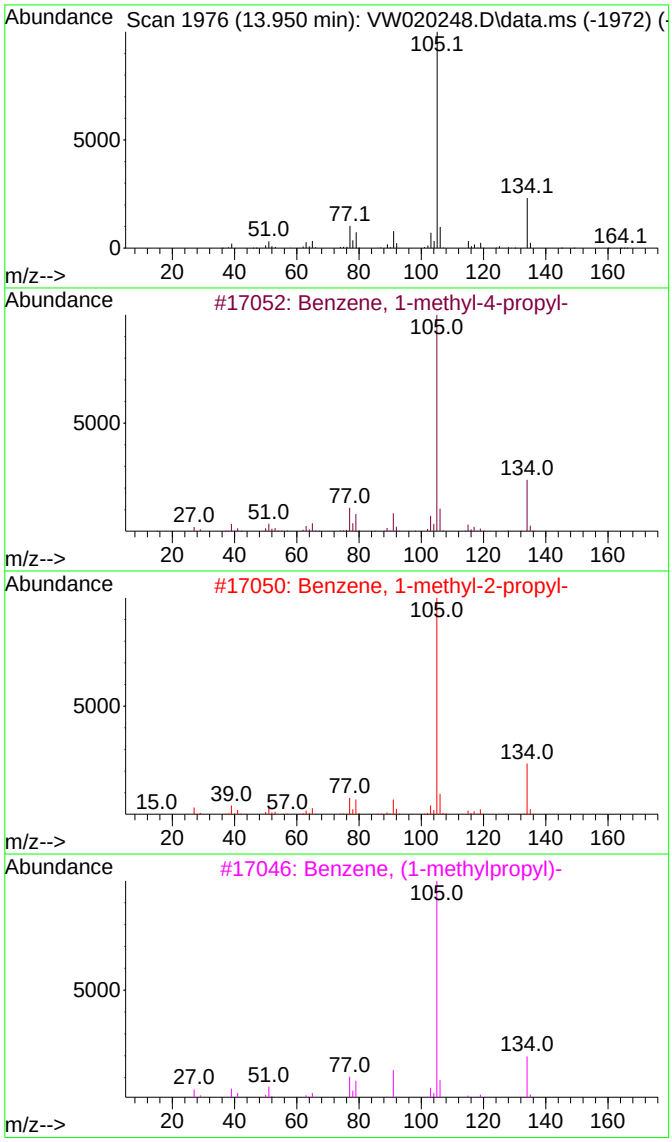
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

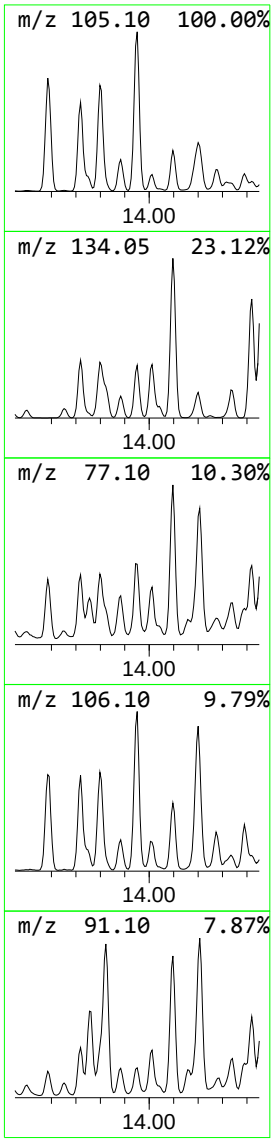
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.951	53.06 ug/L	2536460	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

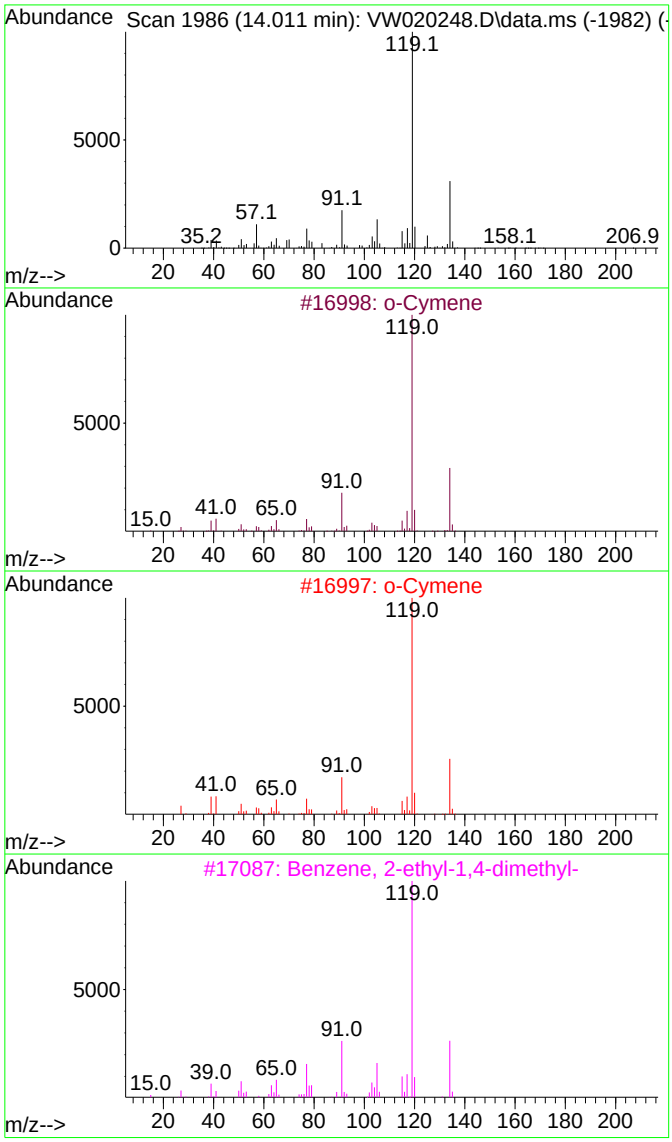
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

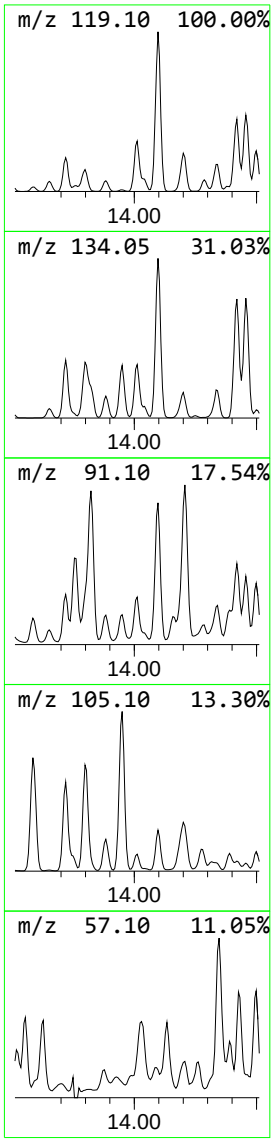
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	85.47 ug/L	4085490	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

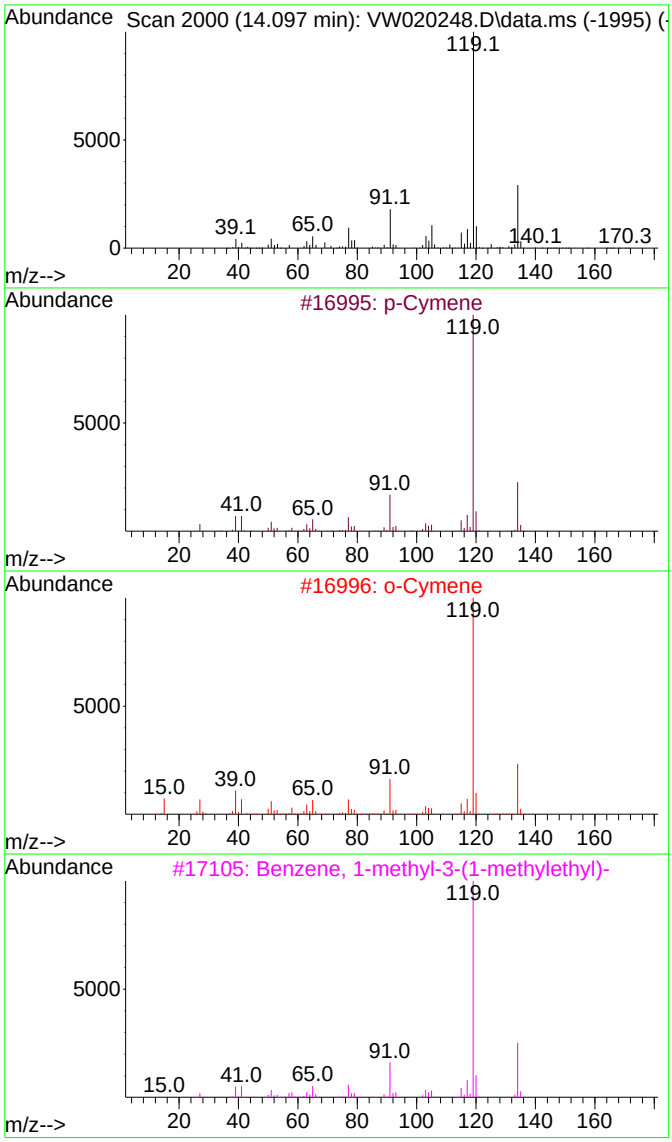
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

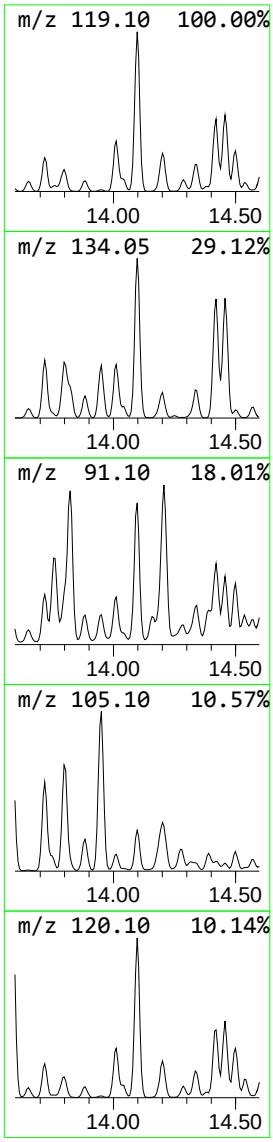
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	187.32 ug/L	8954300	1,4-Dichlorobenzene-d4	13.560

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	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

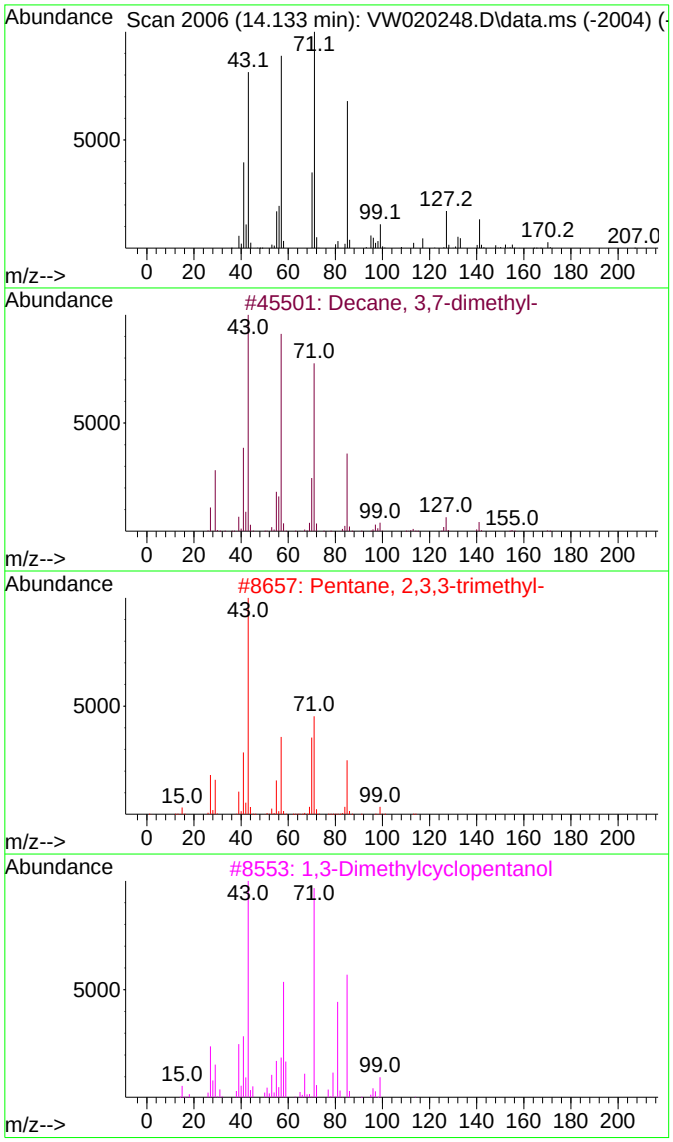
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

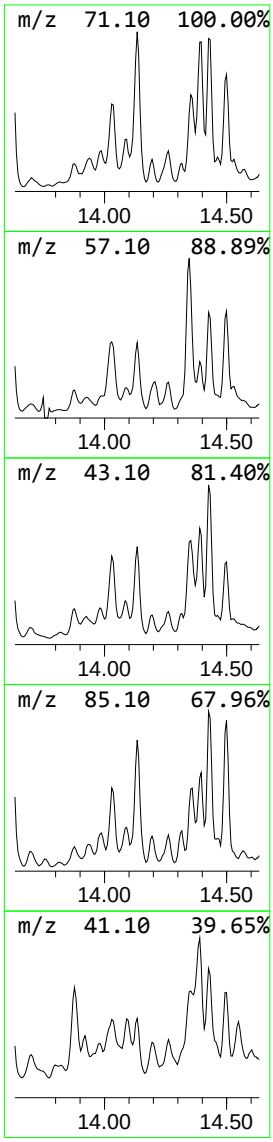
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	14.26 ug/L	681735	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
3	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	50
4	Undecane, 4-methyl-	170	C12H26	002980-69-0	47
5	Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1010309-15-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

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

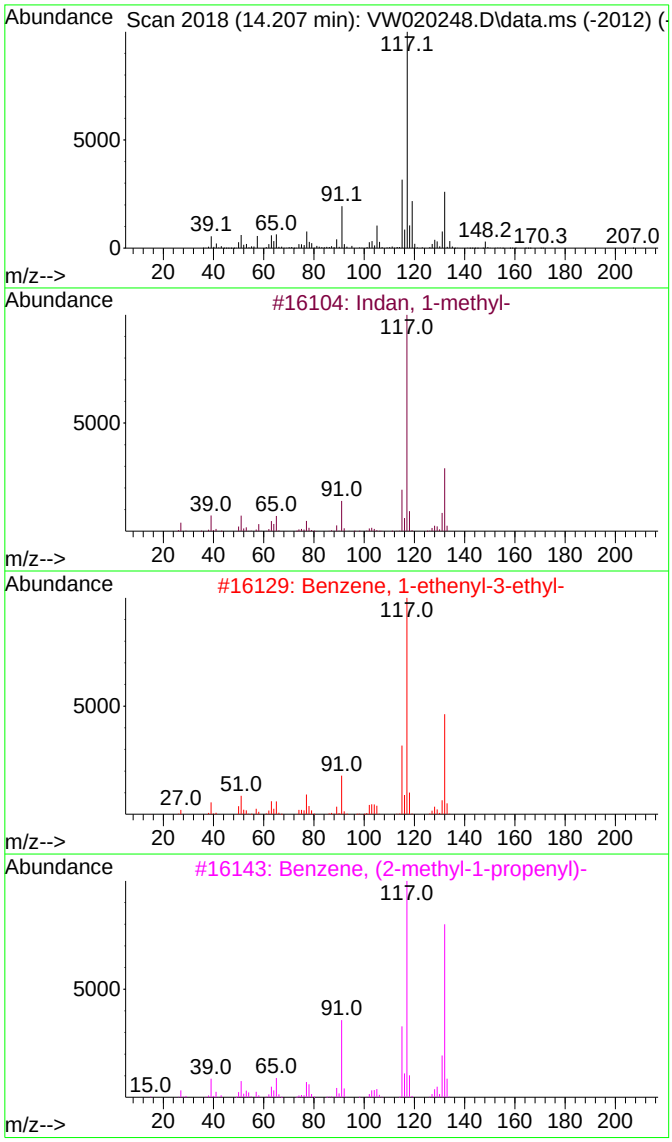
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

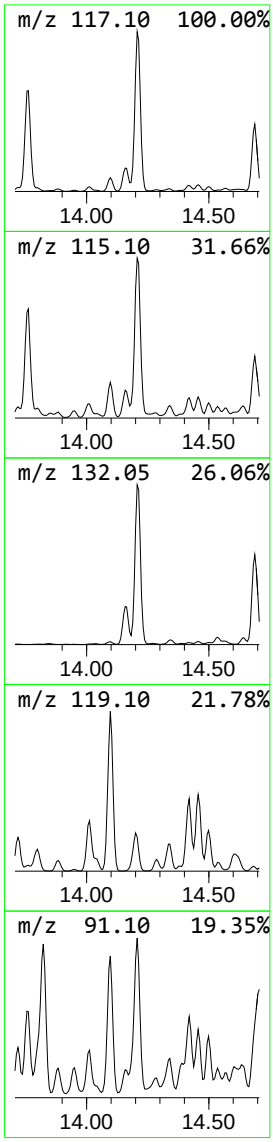
****

Peak Number 48 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	286.94 ug/L	13716400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	76
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
5	Indan, 1-methyl-	132	C10H12	000767-58-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

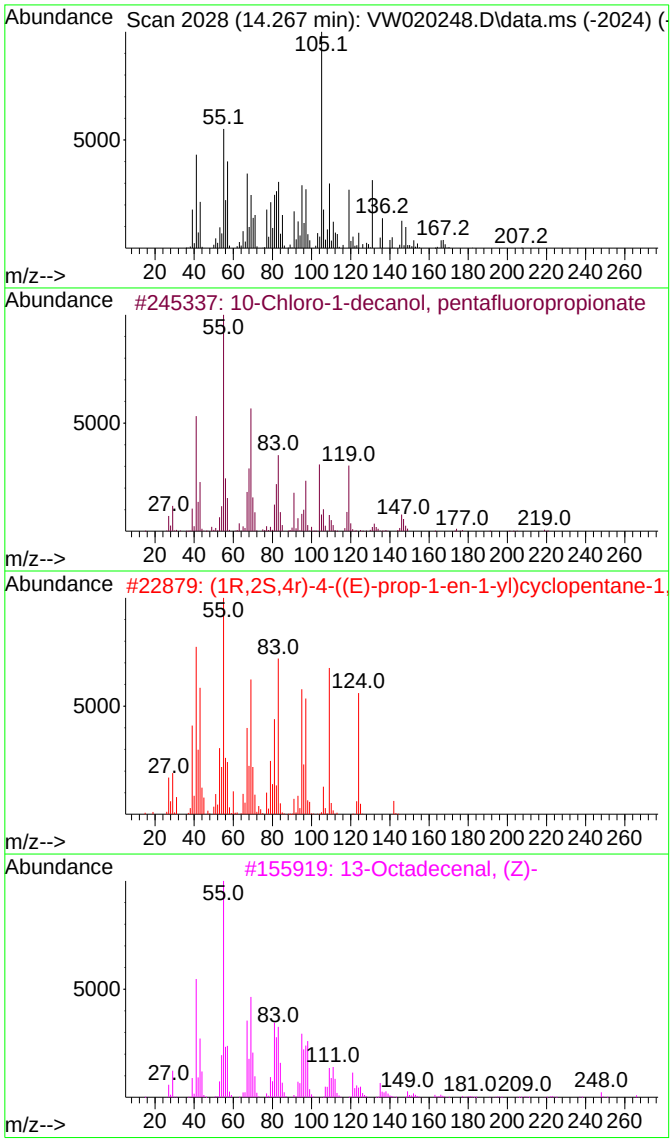
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

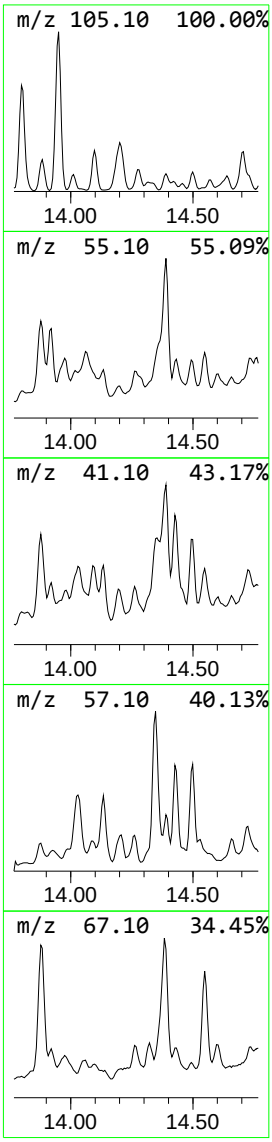
****

Peak Number 49 unknown-03 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	34.99 ug/L	1672620	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Chloro-1-decanol, pentafluoro...	338	C13H20ClF5O2	1010365-58-1	25
2	(1R,2S,4r)-4-((E)-prop-1-en-1-yl...	142	C8H14O2	1010481-89-9	22
3	13-Octadecenal, (Z)-	266	C18H34O	058594-45-9	16
4	1,19-Eicosadiene	278	C20H38	014811-95-1	16
5	1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

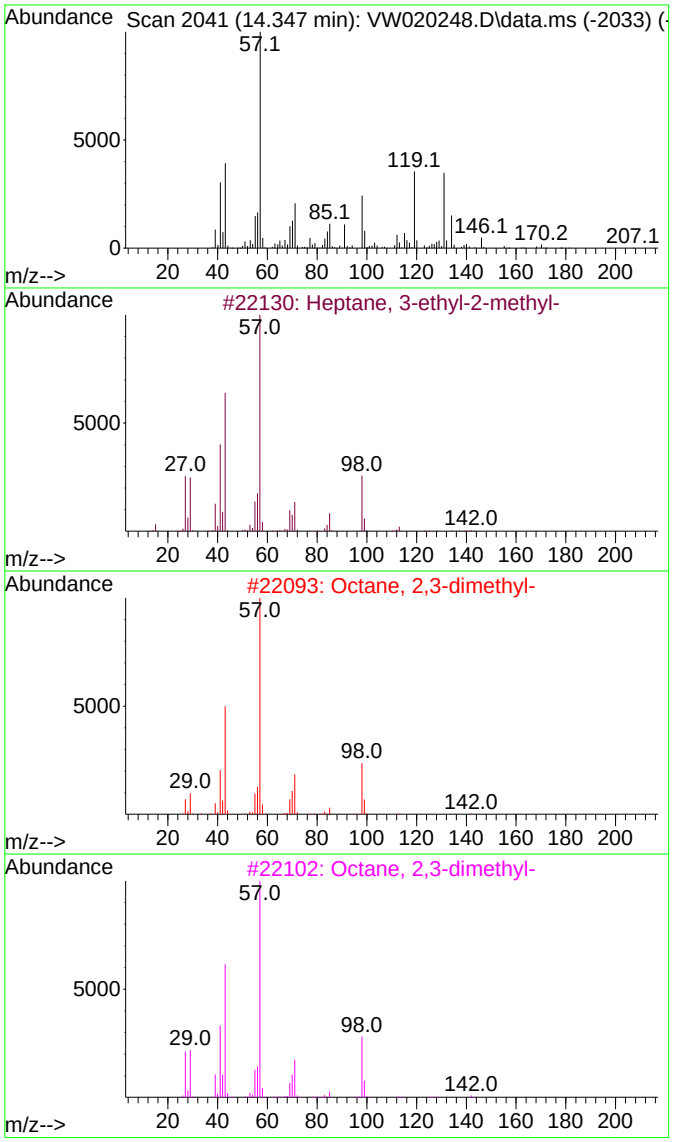
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

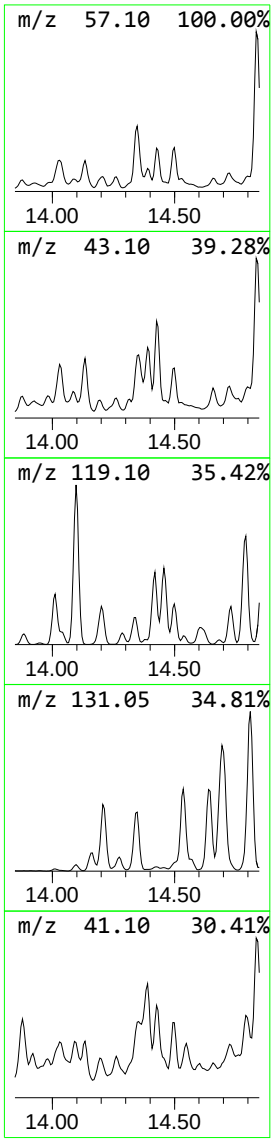
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.347	126.14 ug/L	6029630	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	30
5	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

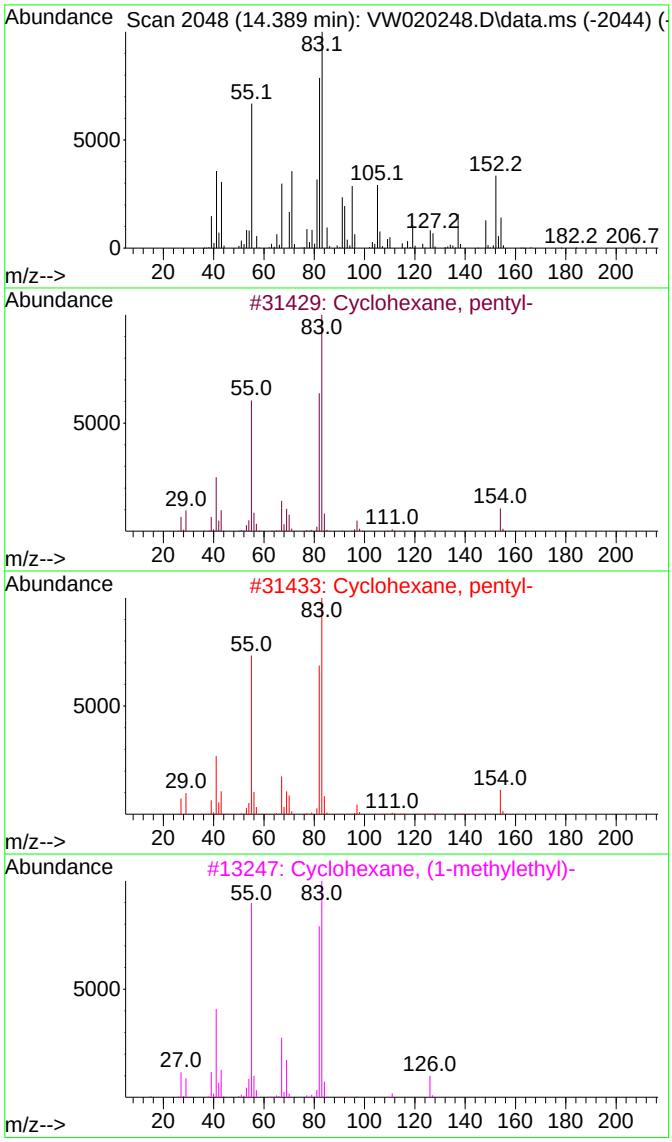
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

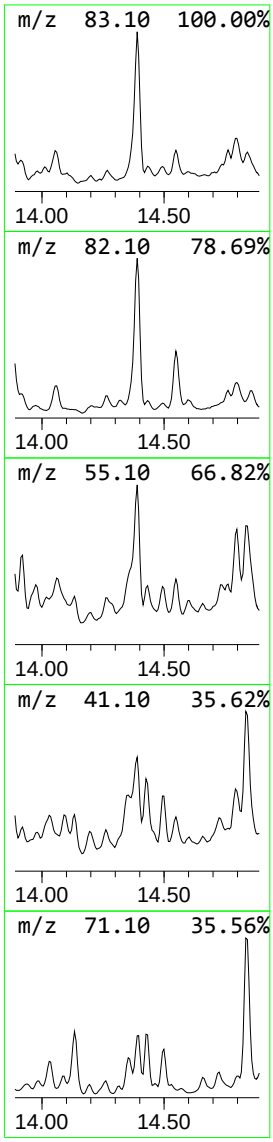
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Cyclic14.389 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	139.27 ug/L	6657200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

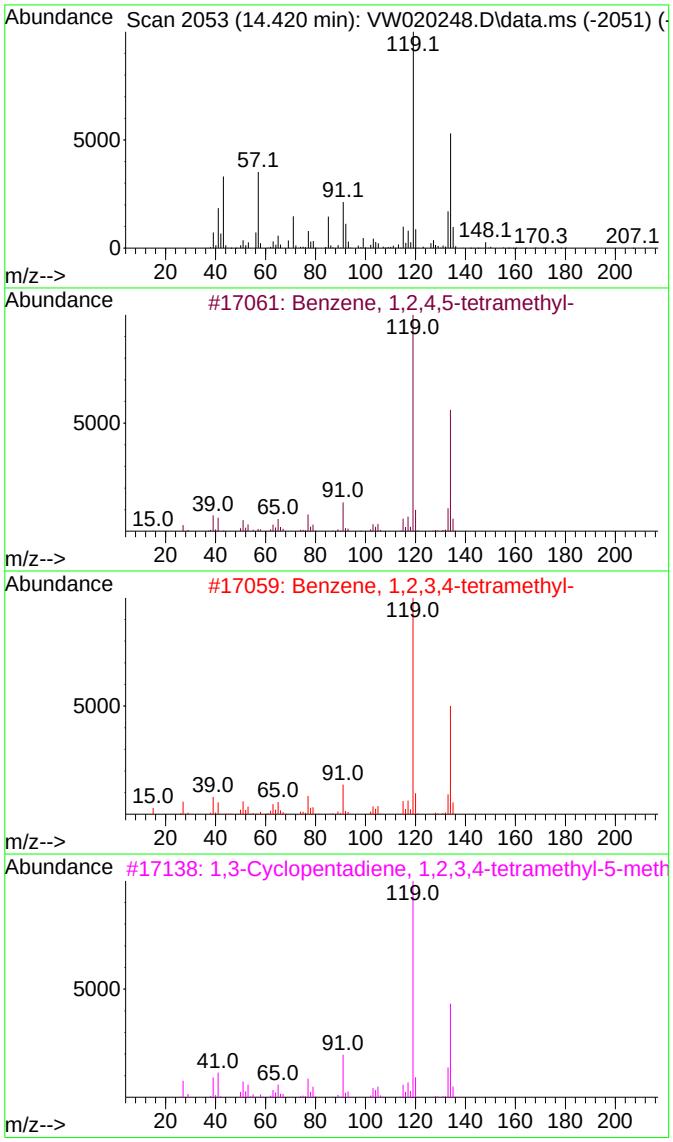
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

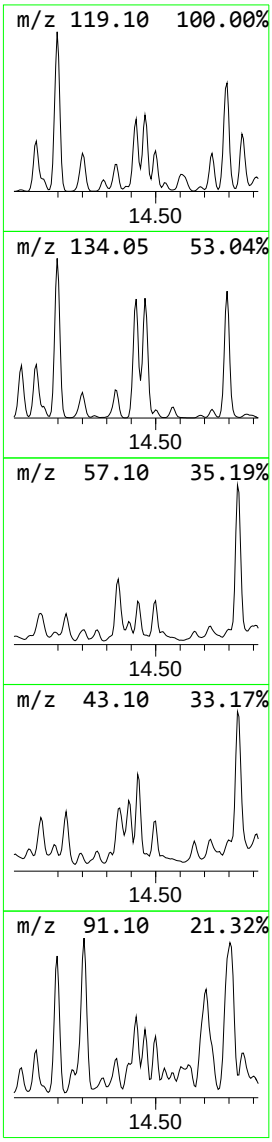
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	127.30 ug/L	6085390	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

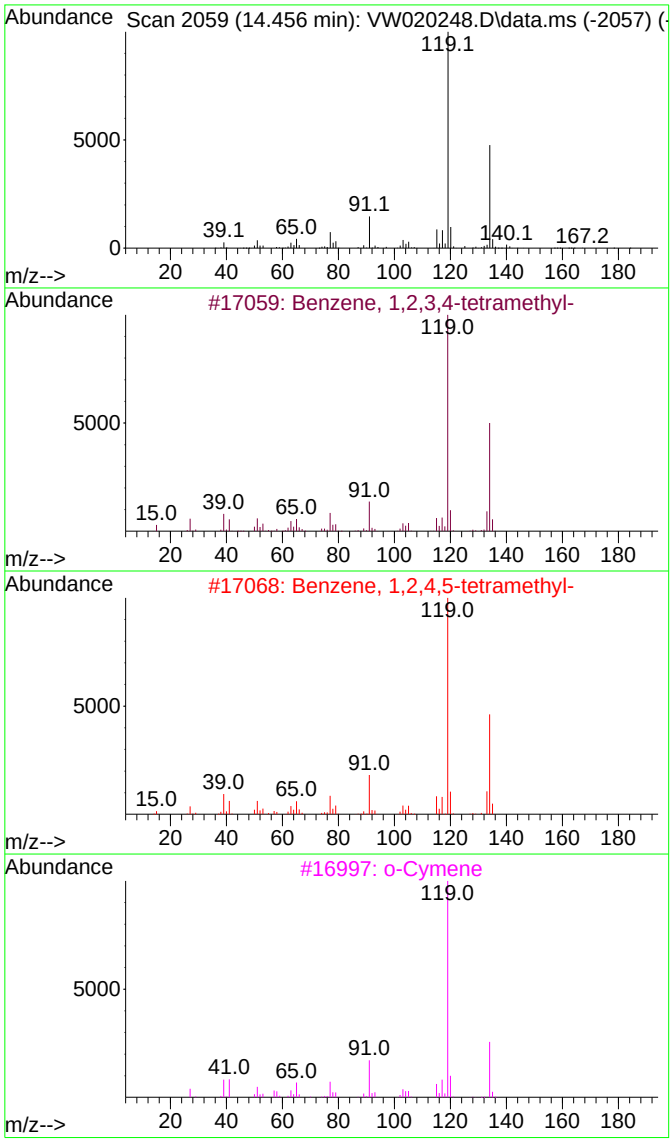
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

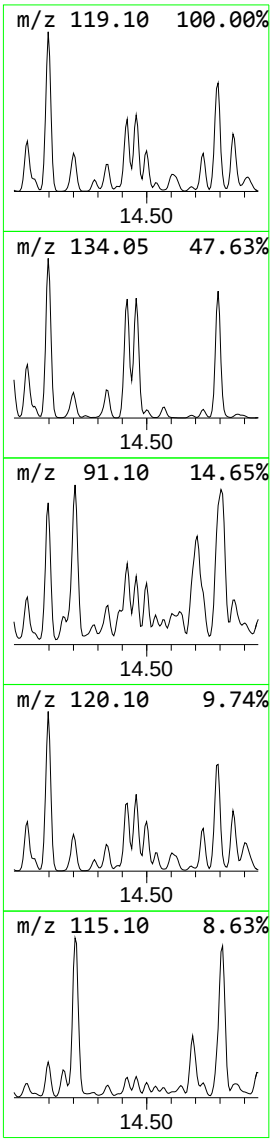
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	59.81 ug/L	2858820	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	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

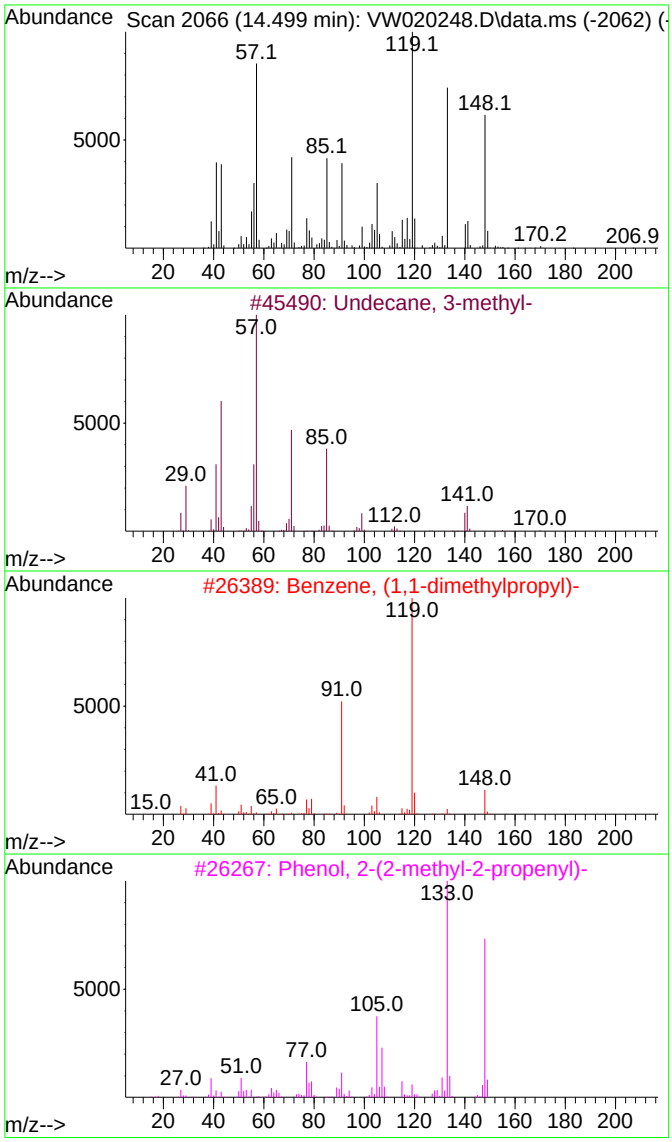
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

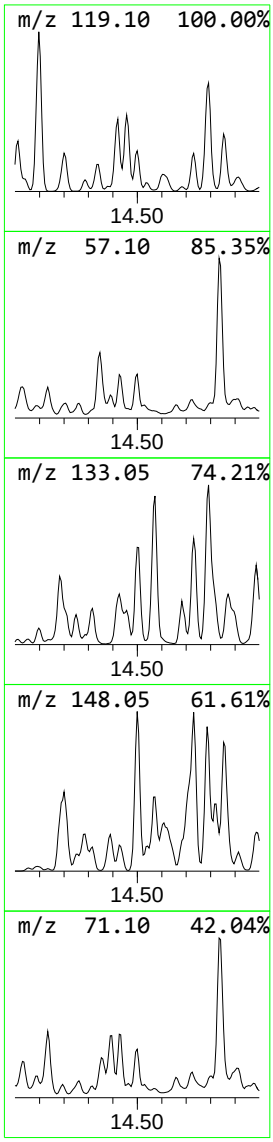
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	76.91 ug/L	3676530	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	35
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	30
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	30
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

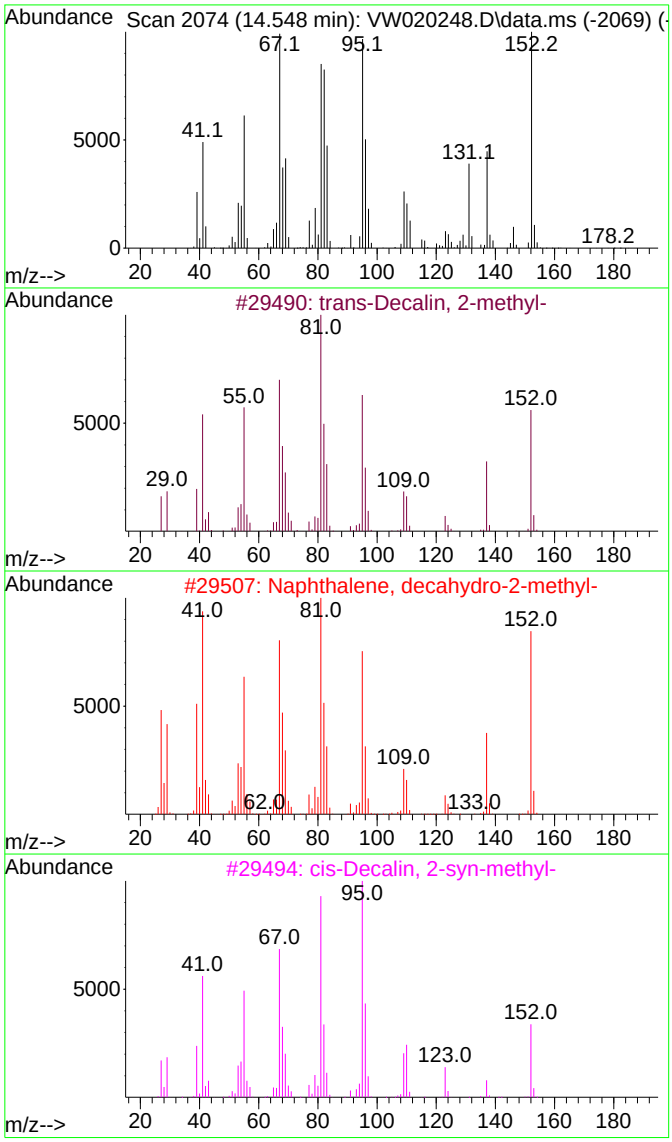
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

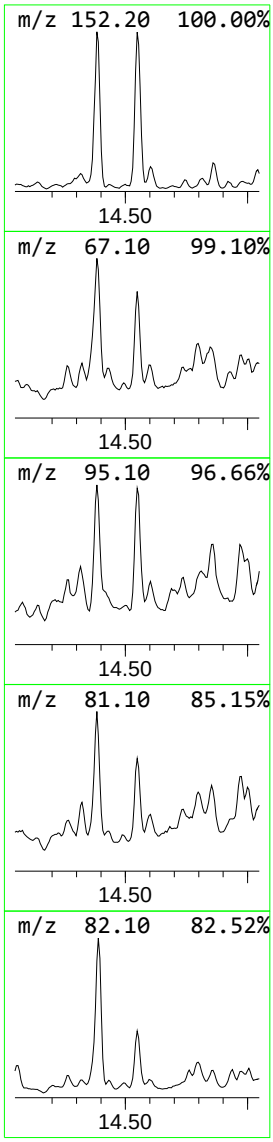
****

Peak Number 55 trans-Decalin, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	71.21 ug/L	3404050	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
4	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	64
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

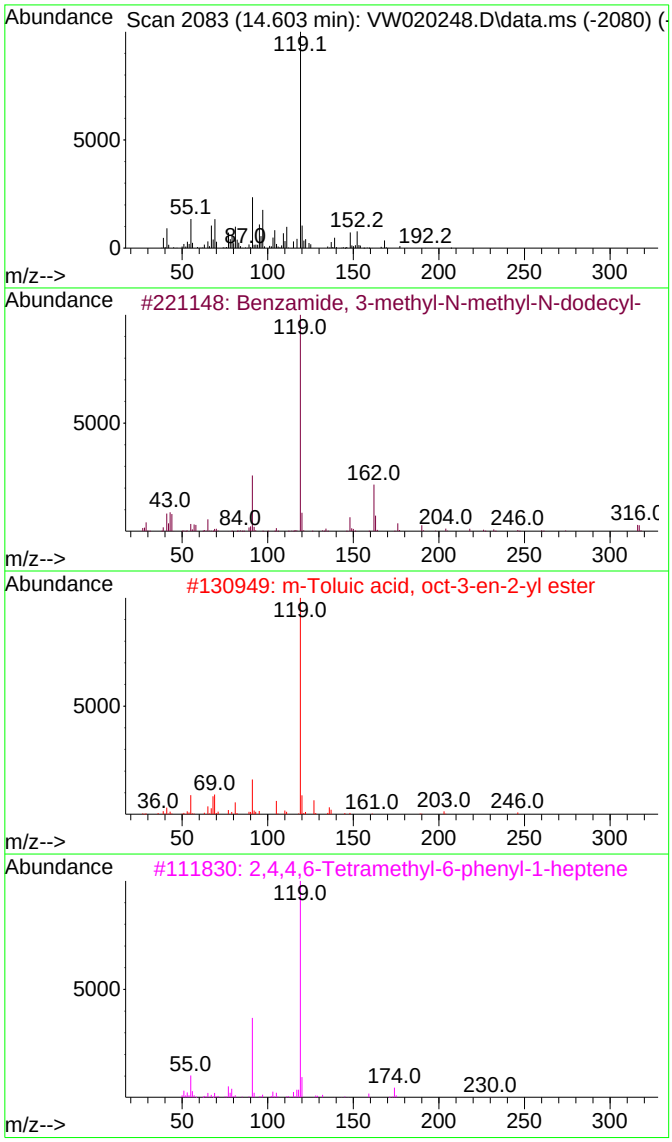
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

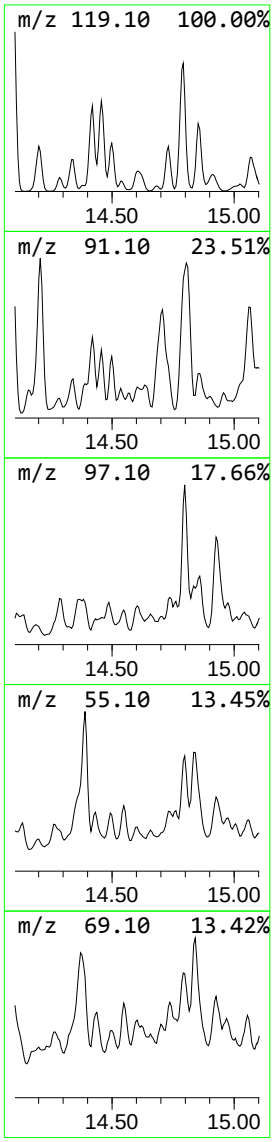
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzamide, 3-methyl-N-methy... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.603	16.74 ug/L	800200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 3-methyl-N-methyl-N-d...	317	C21H35NO	1000436-99-7	50
2	m-Toluic acid, oct-3-en-2-yl ester	246	C16H22O2	1000292-61-2	50
3	2,4,4,6-Tetramethyl-6-phenyl-1-h...	230	C17H26	1000293-27-9	47
4	Cumene hydroperoxide, TMS deriva...	224	C12H20O2Si	018057-16-4	47
5	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

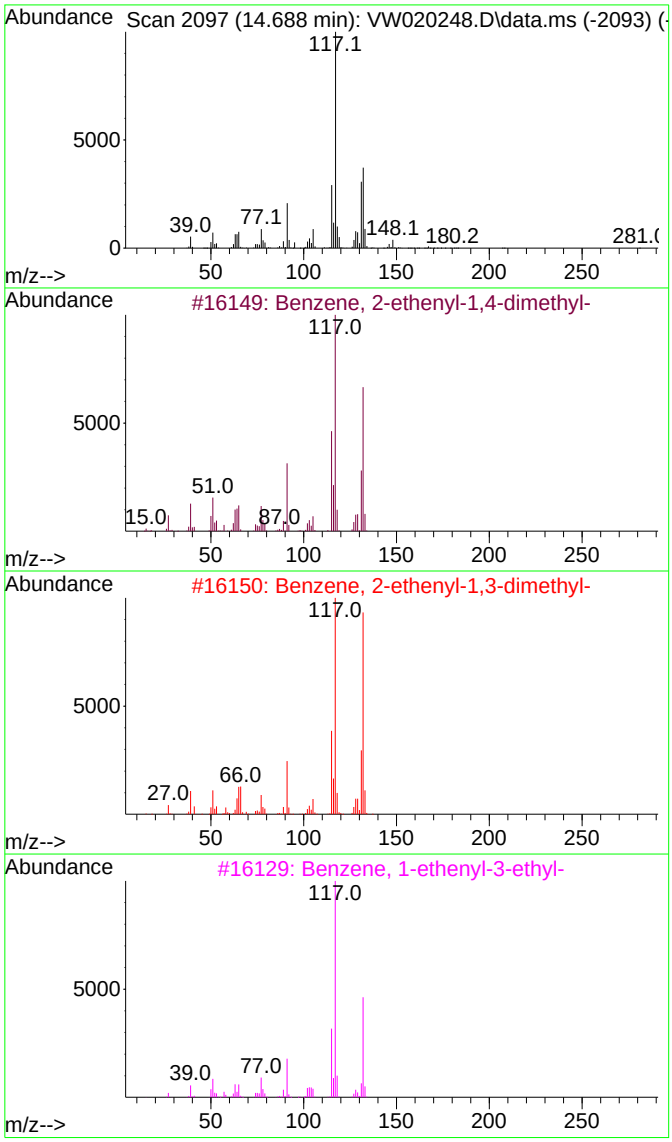
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

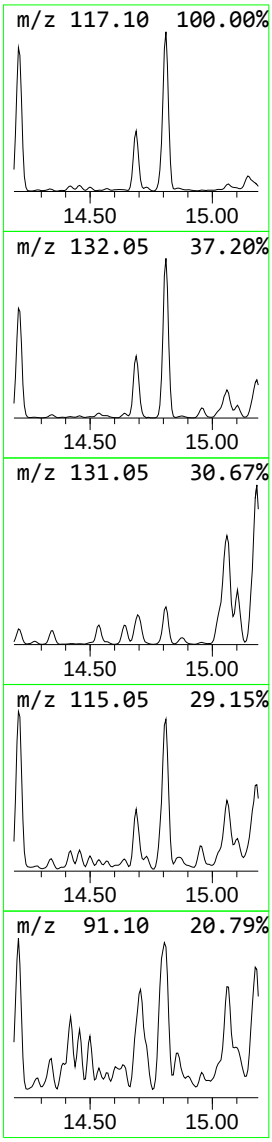
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	136.16 ug/L	6508490	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	92
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

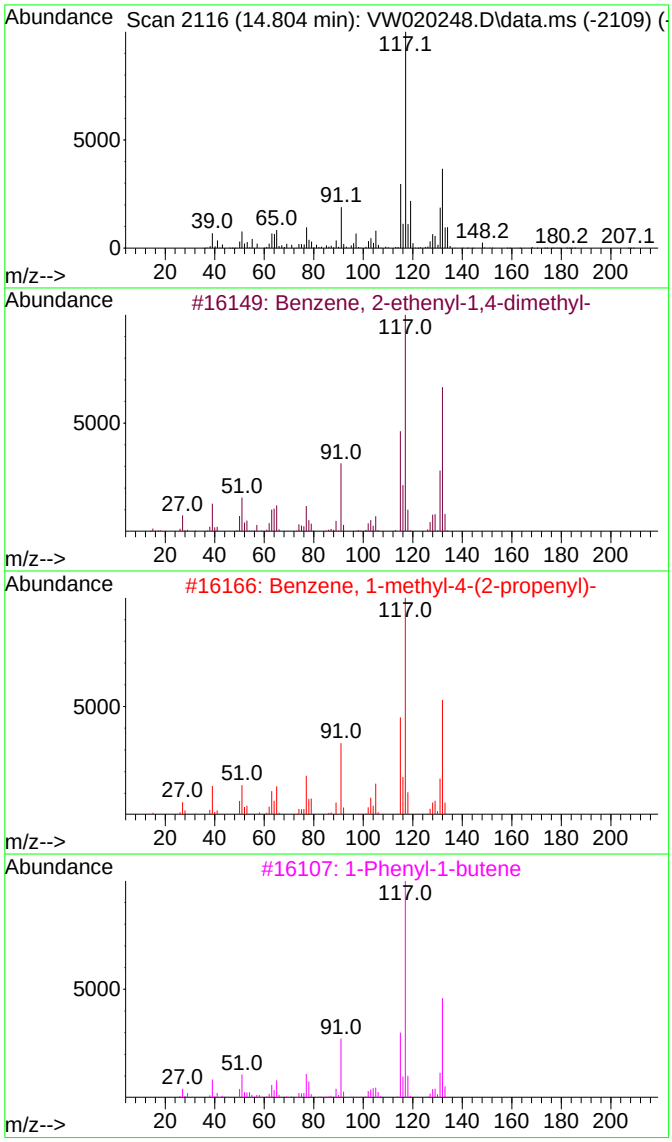
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

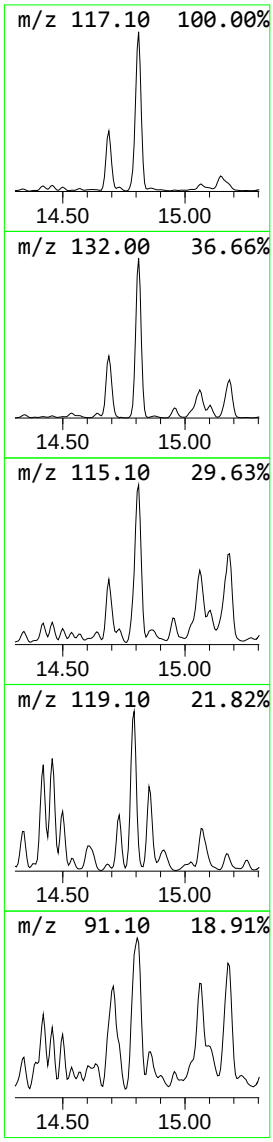
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1-methyl-4-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	522.87 ug/L	24994200	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	92
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

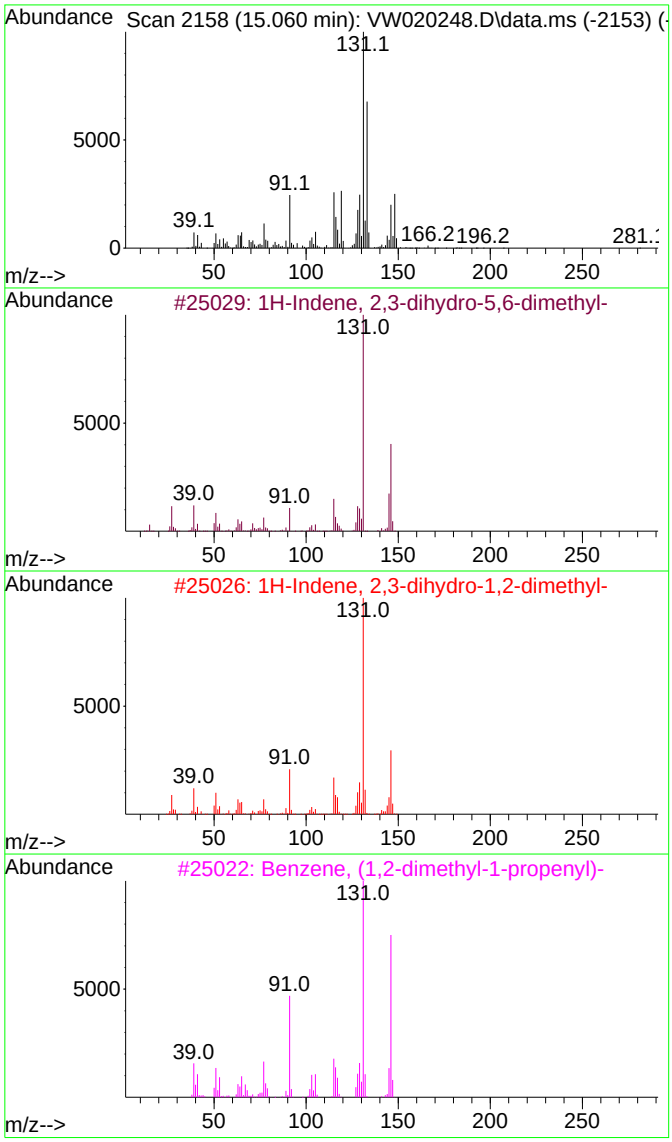
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

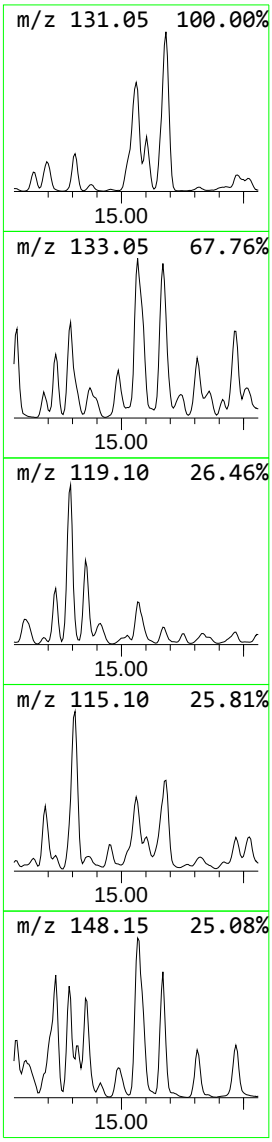
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	207.92 ug/L	9938870	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	60
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

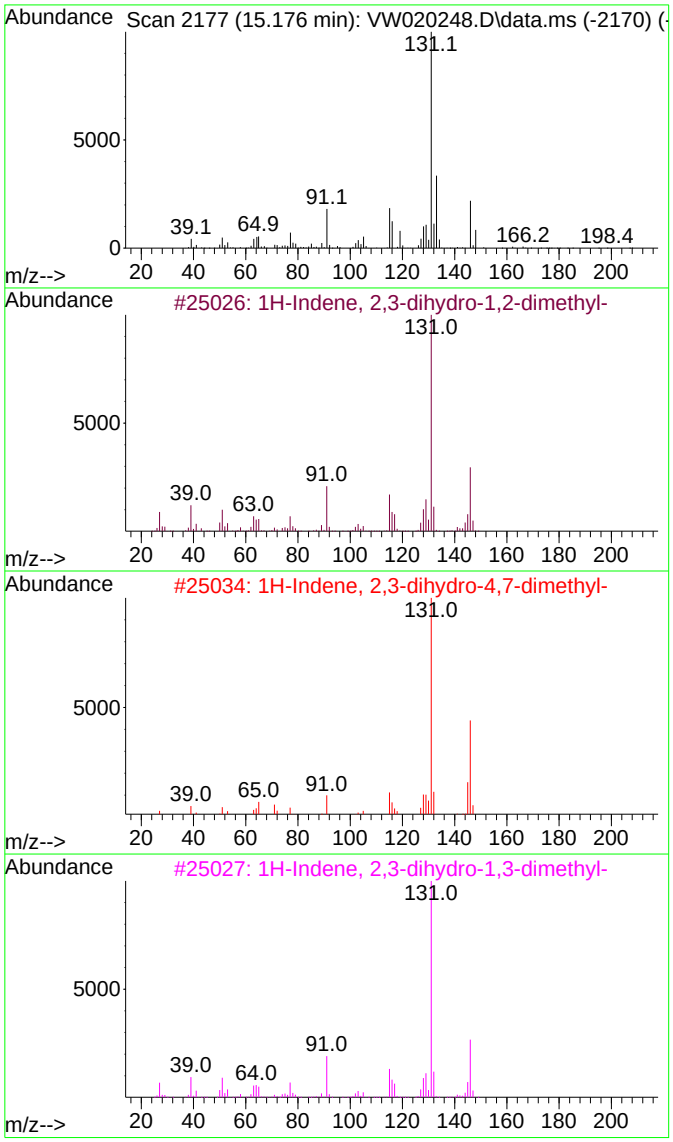
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

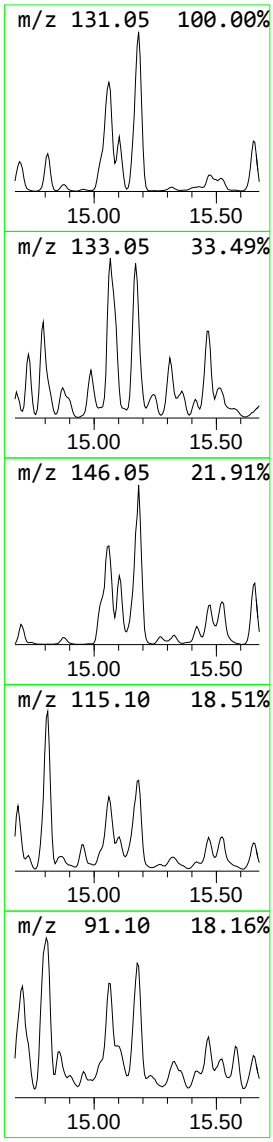
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	333.15 ug/L	15925100	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	81
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

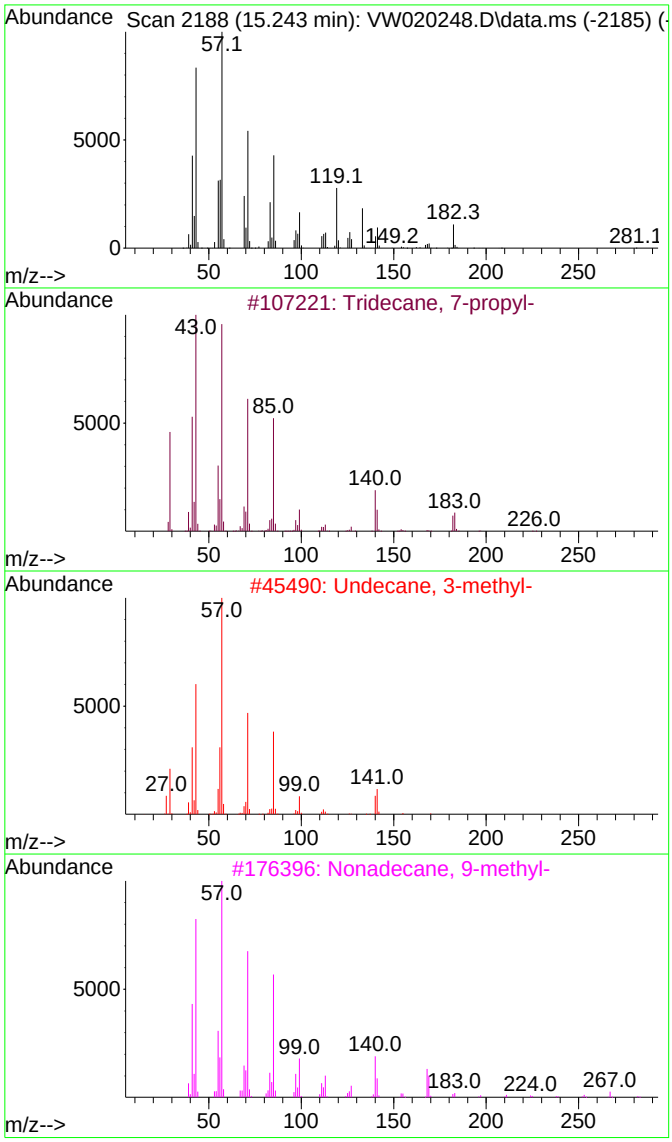
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

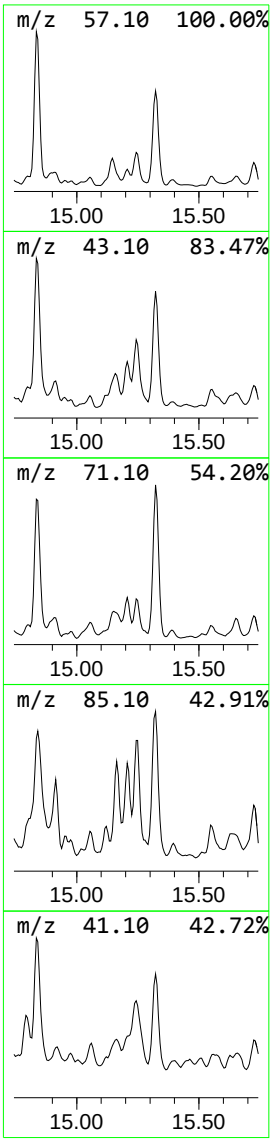
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	117.52 ug/L	5617580	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	58
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	53
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	52
5	Octacosane	394	C28H58	000630-02-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

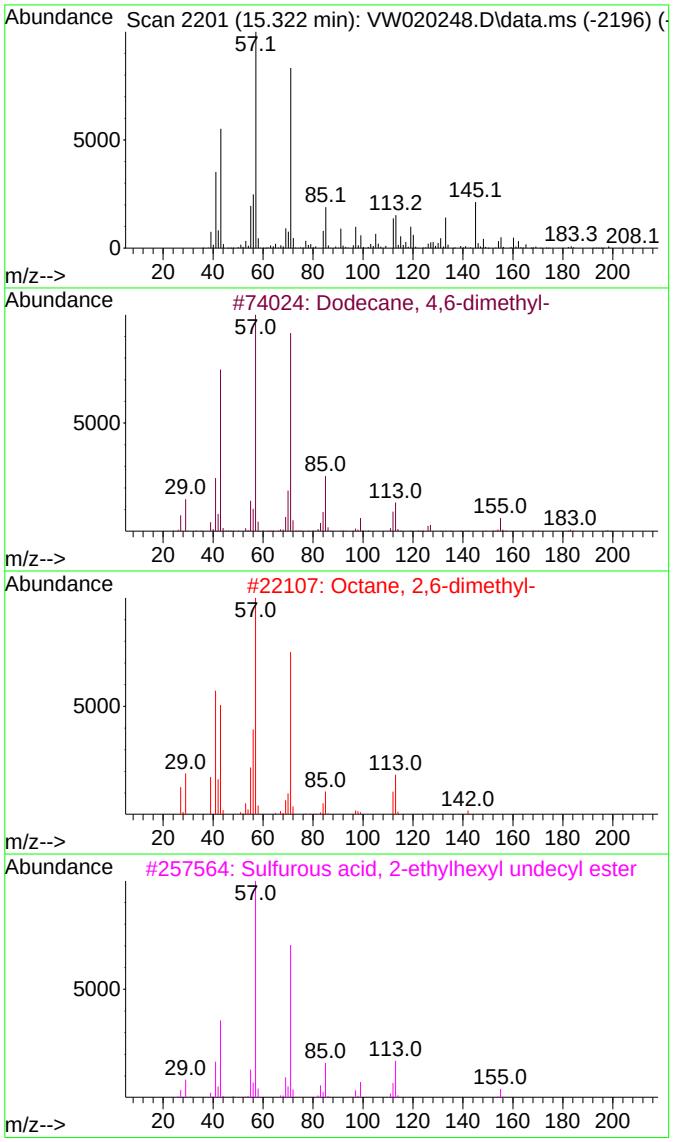
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

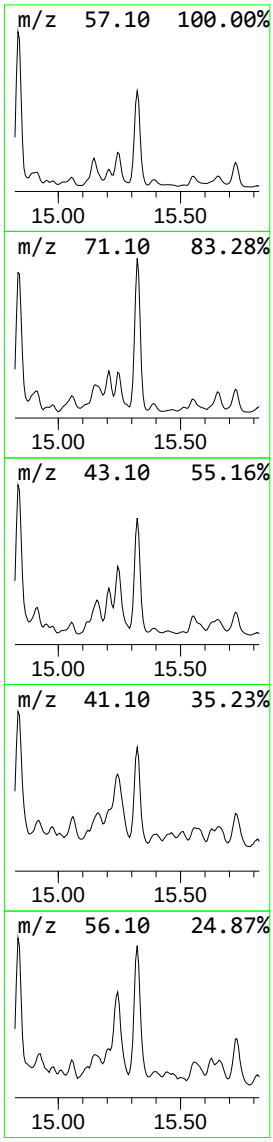
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	182.22 ug/L	8710700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	70
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	52
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	52
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

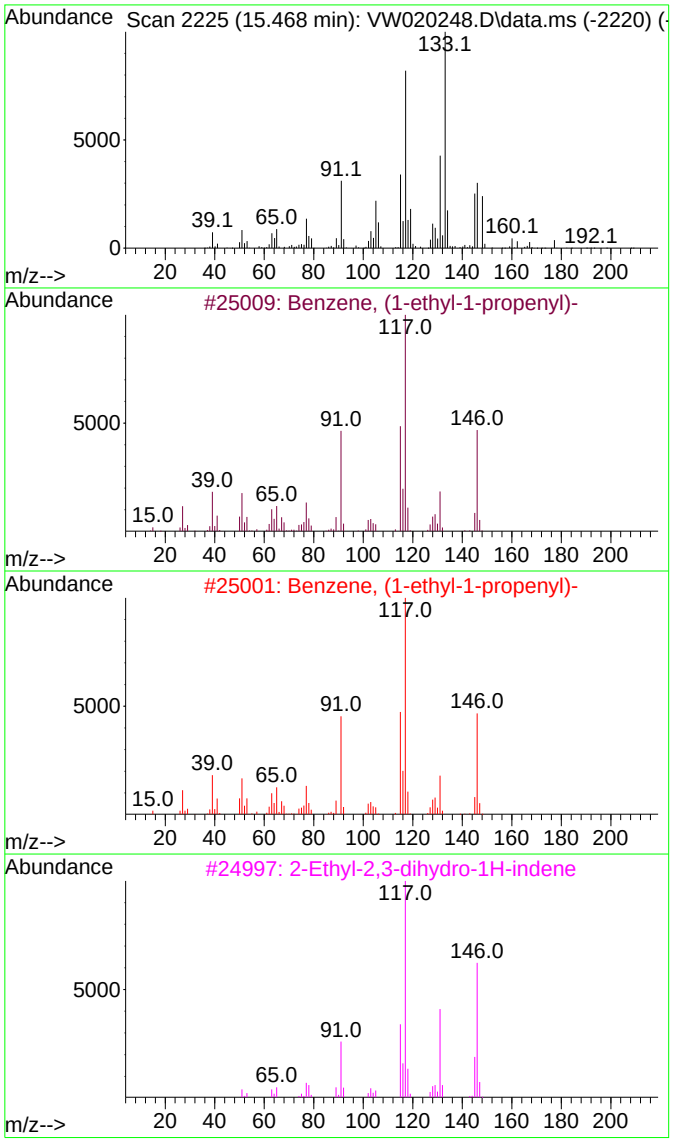
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

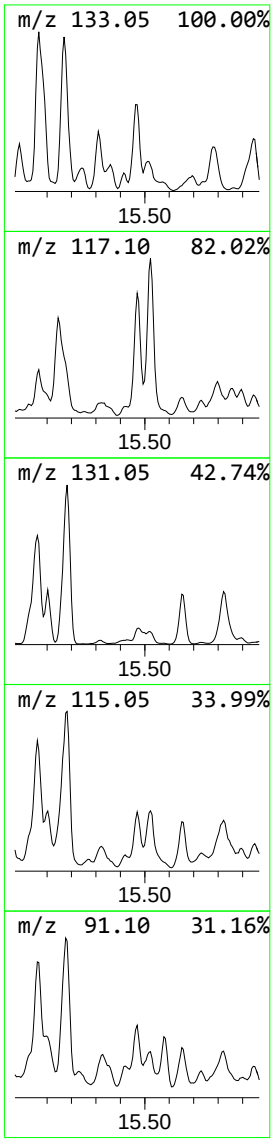
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.469	82.64 ug/L	3950380	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	83
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	80
3	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	49
4	3-Buten-1-ol, 4-phenyl-	148	C10H12O	000937-58-6	38
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

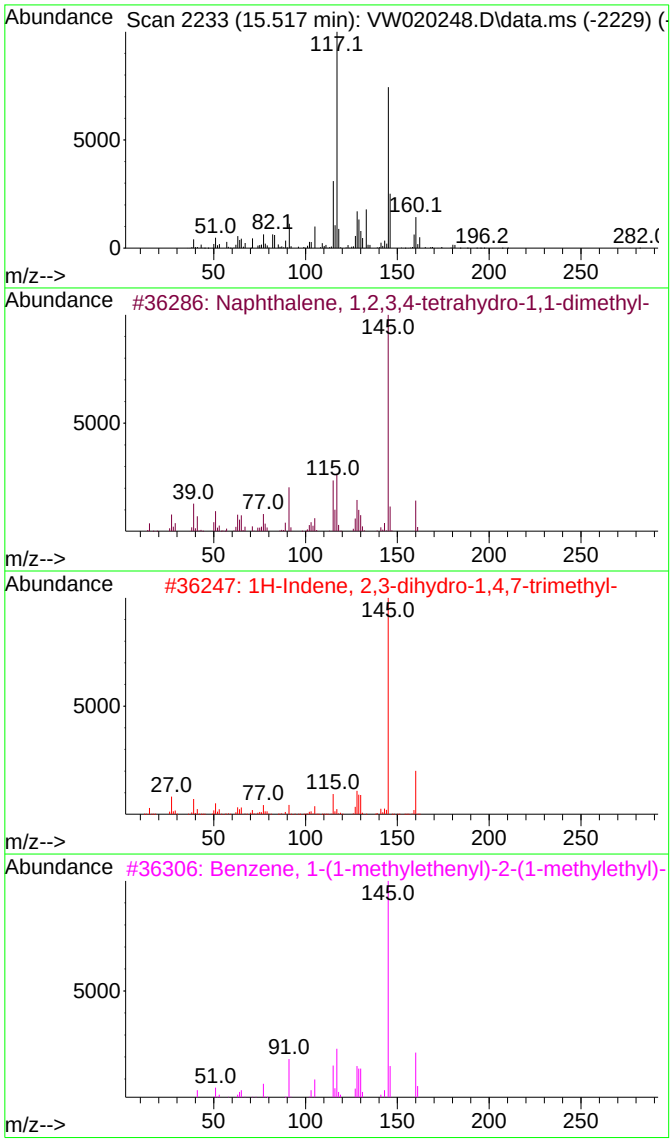
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

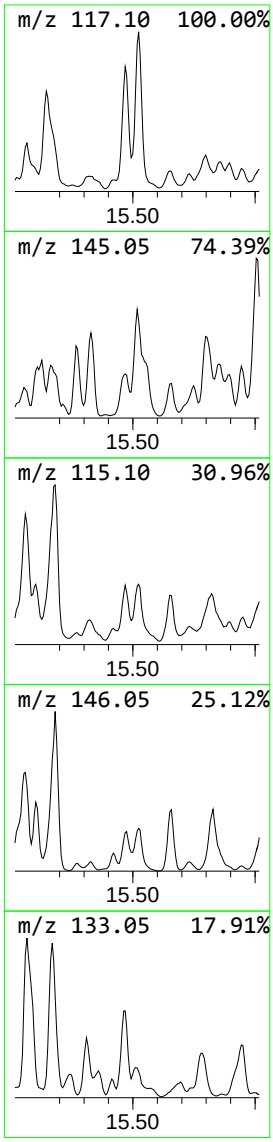
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	55.69 ug/L	2662170	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	50
2	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	49
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	45
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	43
5	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

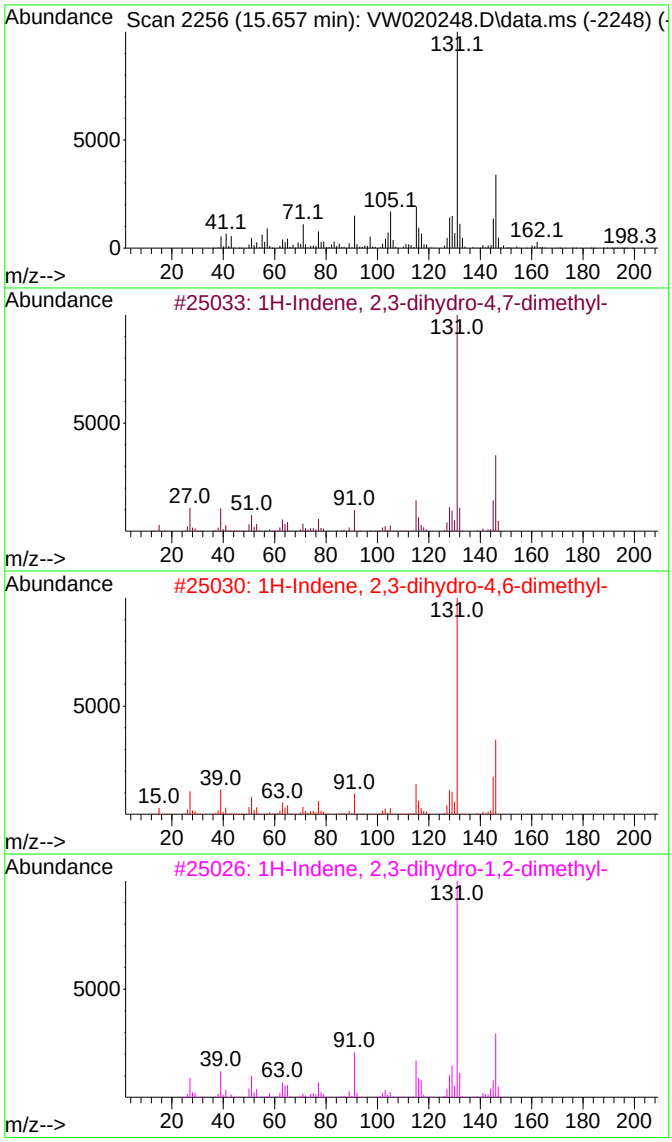
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

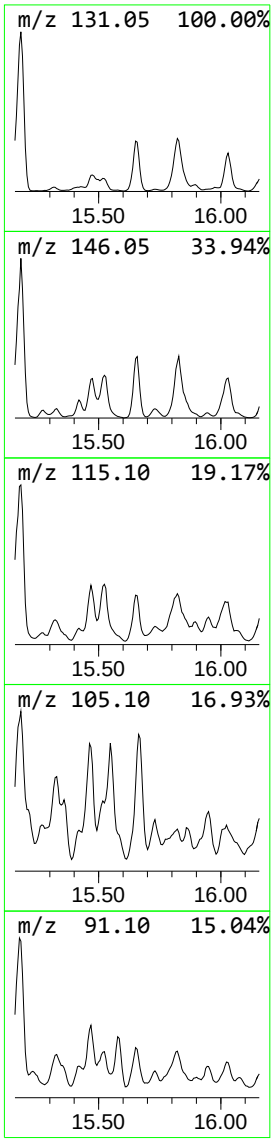
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.658	148.70 ug/L	7108020	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	95
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

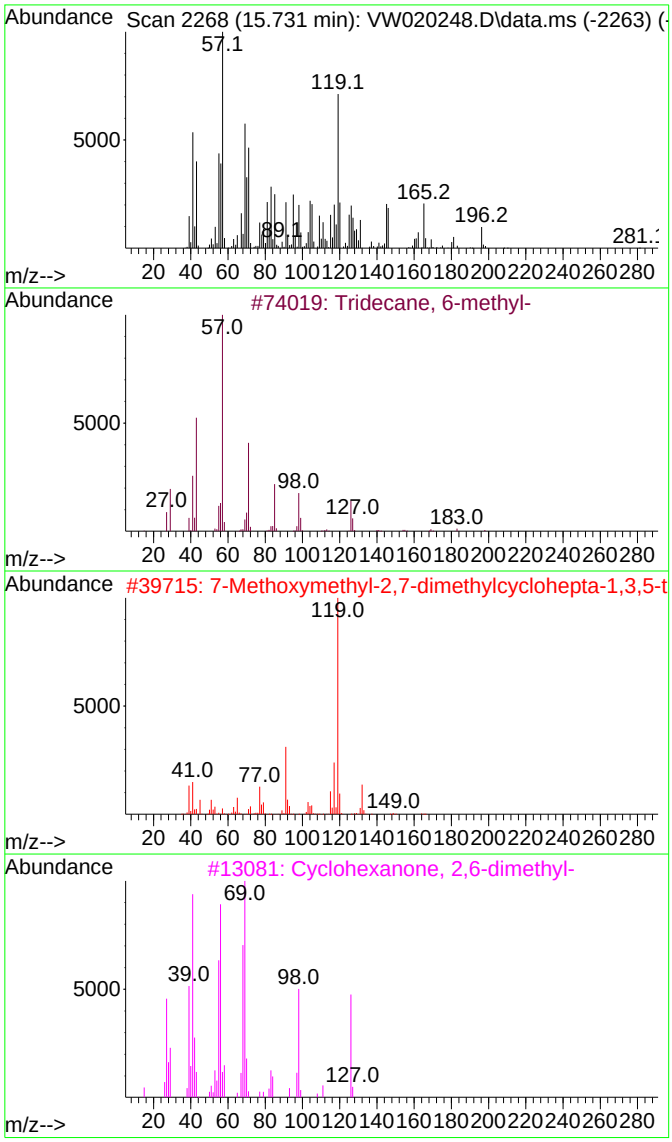
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

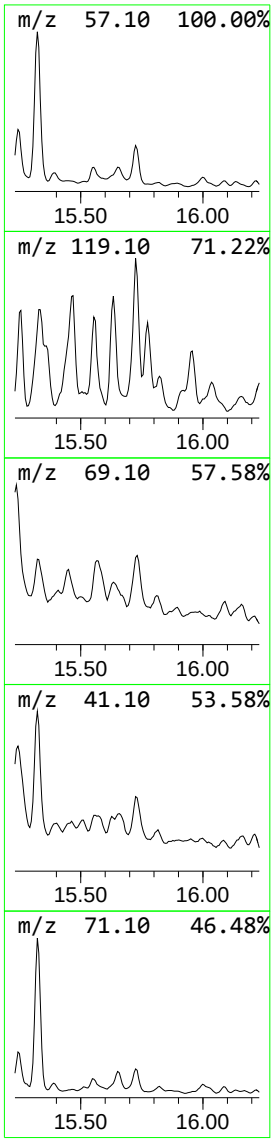
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	69.79 ug/L	3336230	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	25
2	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	18
3	Cyclohexanone, 2,6-dimethyl-	126	C8H14O	002816-57-1	11
4	Propanoic acid, nonyl ester	200	C12H24O2	053184-67-1	11
5	Methanone, (4-methylphenyl)phenyl-	196	C14H12O	000134-84-9	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

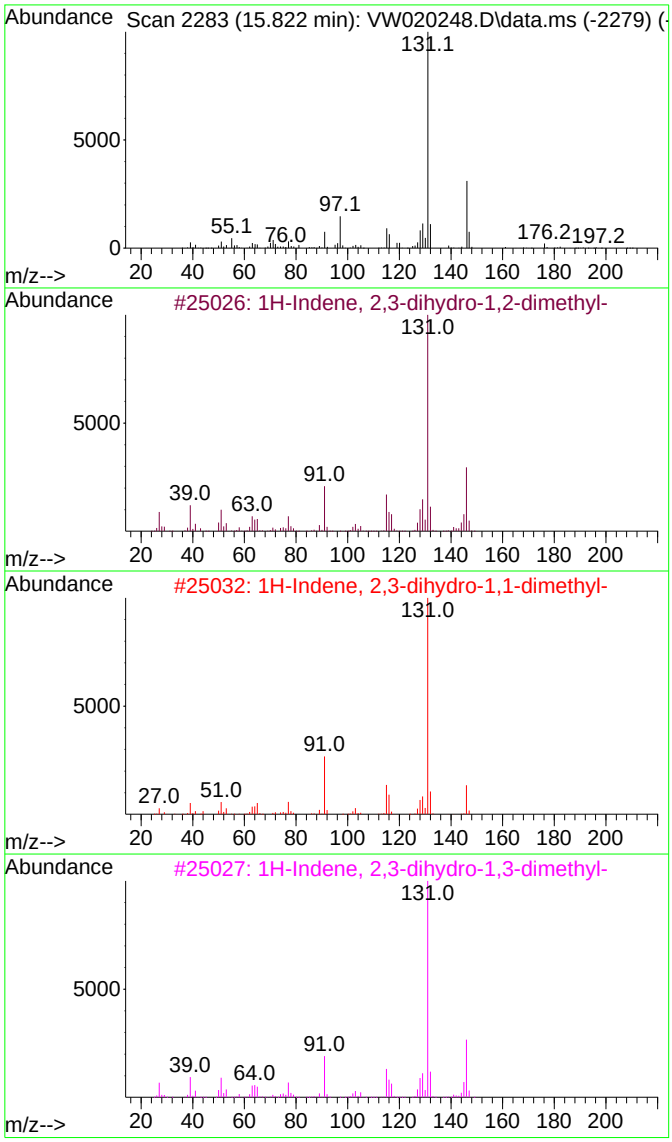
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

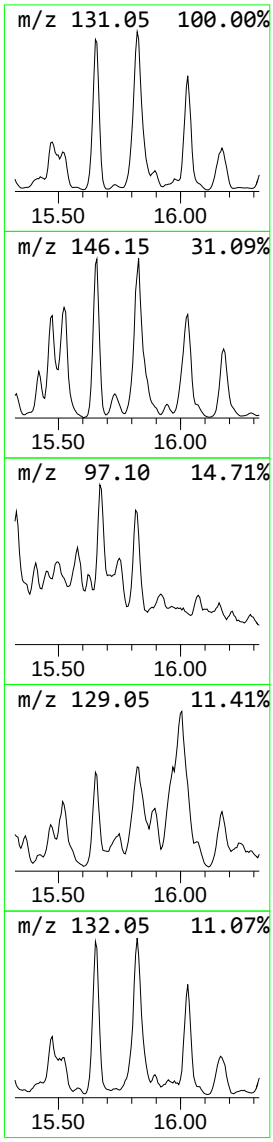
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.822	92.34 ug/L	4414110	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	90
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

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

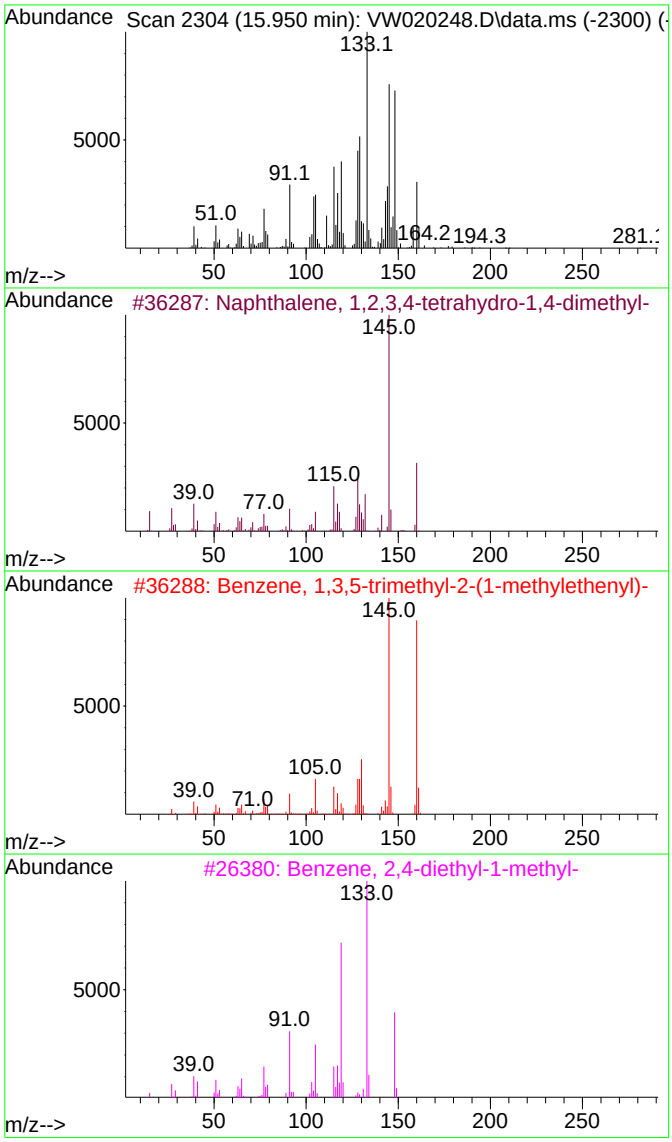
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

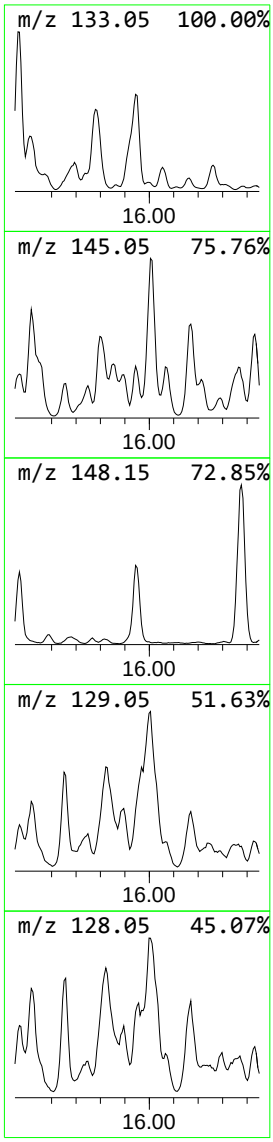
****

Peak Number 69 unknown-04 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.950	30.82 ug/L	1473170	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	38
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

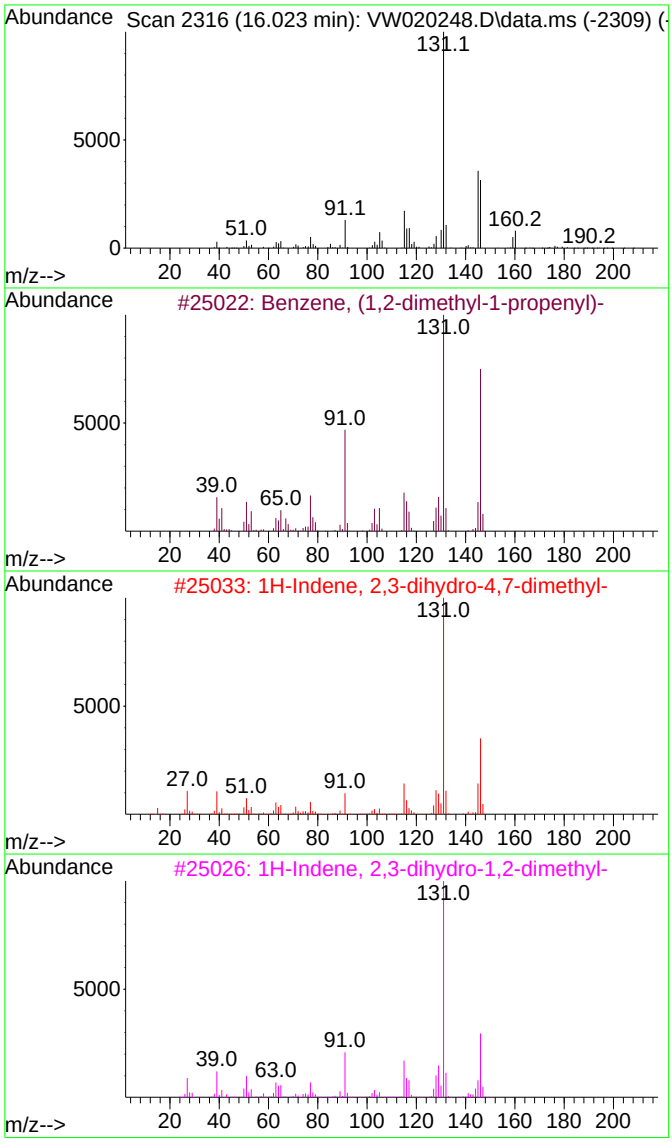
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

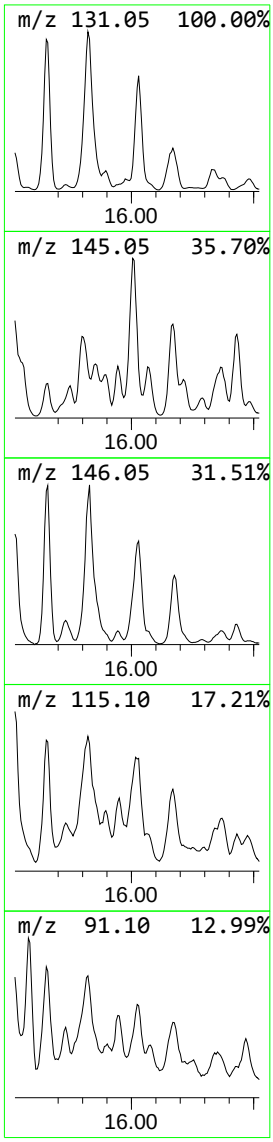
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.023	84.22 ug/L	4025750	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	74
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	72
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	72
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5

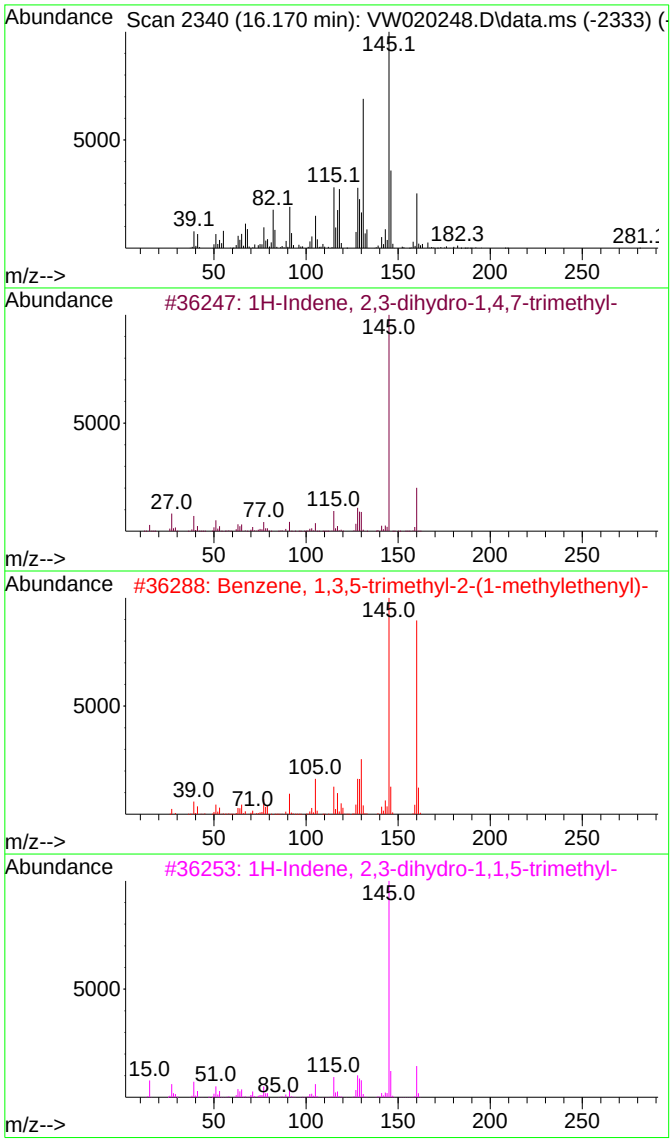
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

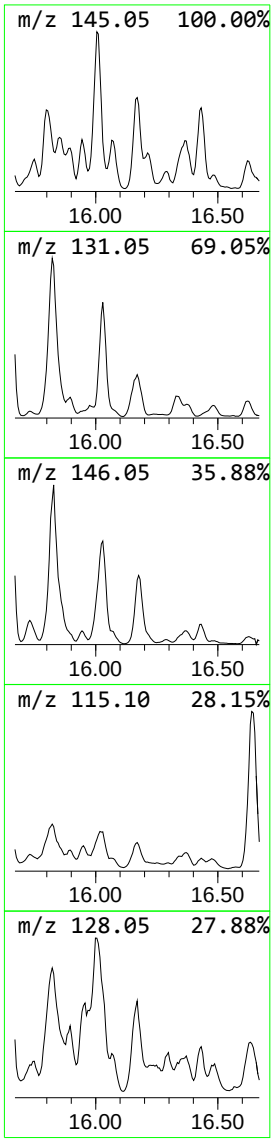
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 71 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.170	77.19 ug/L	3689780	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	62
4	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	58
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

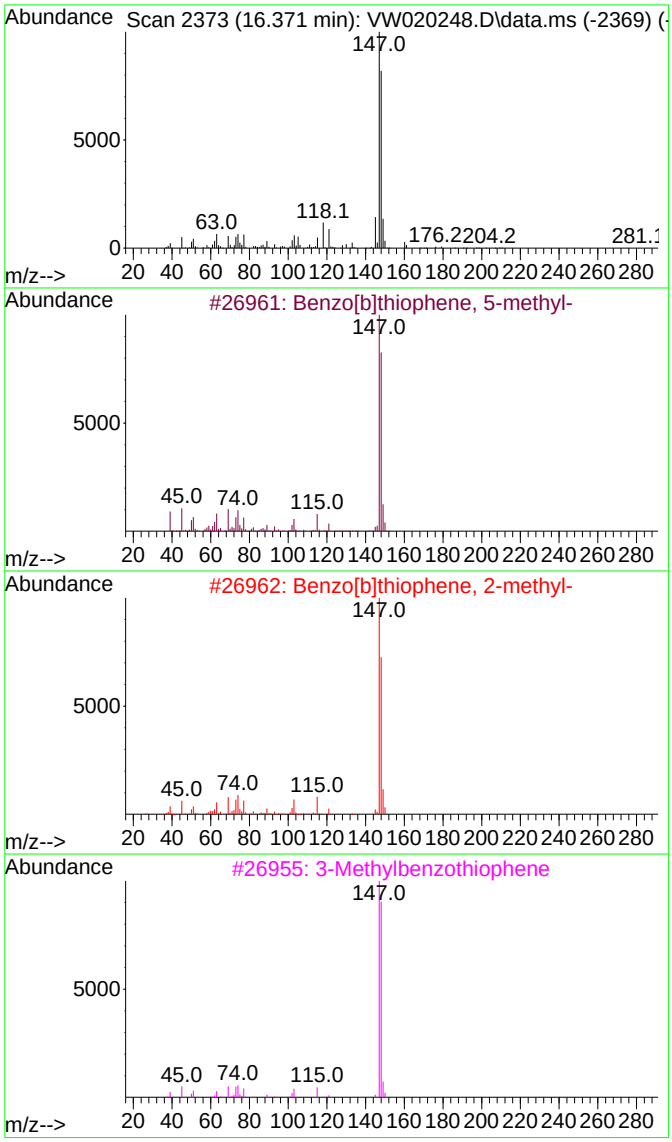
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

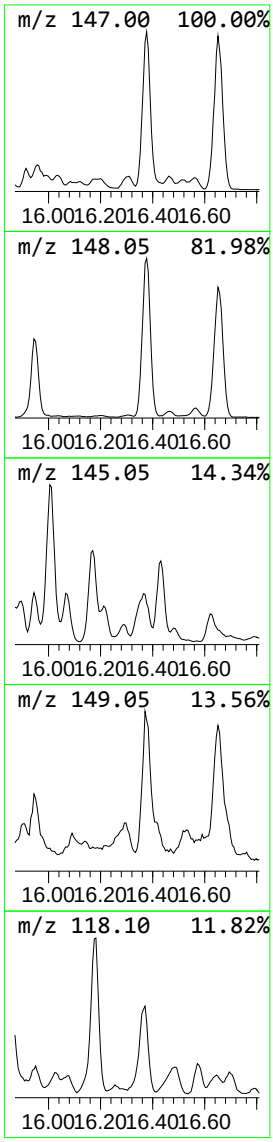
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 Benzo[b]thiophene, 5-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	48.53 ug/L	2319950	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

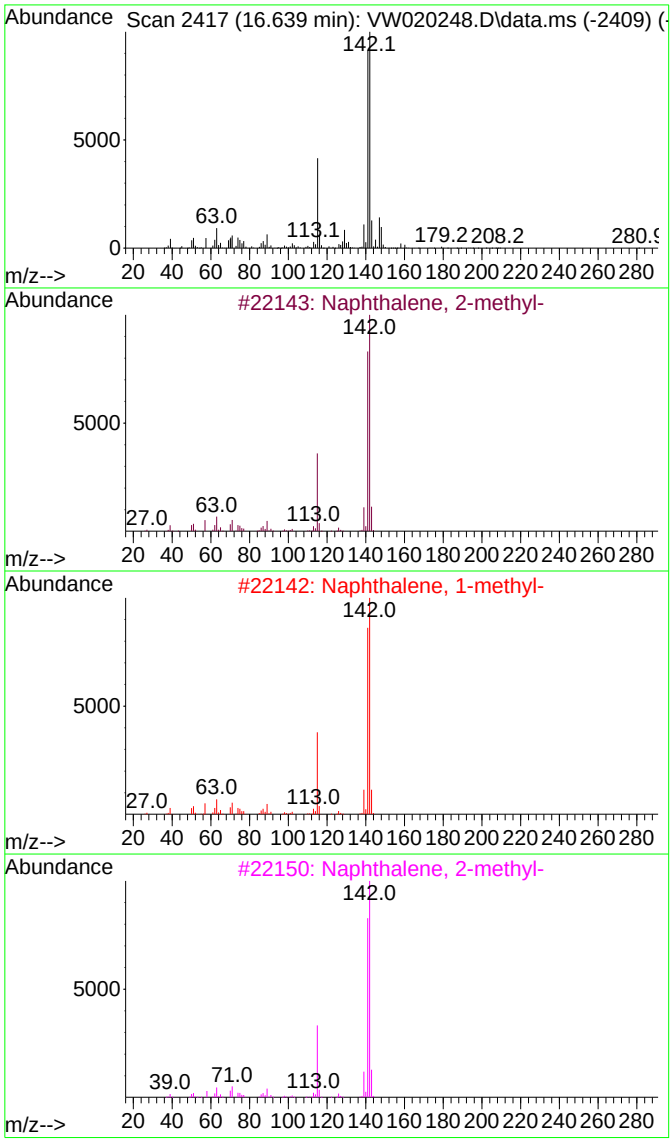
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

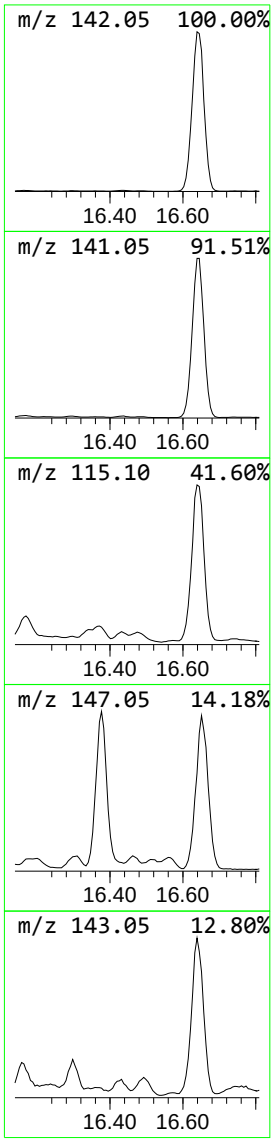
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	270.53 ug/L	12931900	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	93
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020248.D
Acq On : 29 Sep 2021 23:07
Operator : SY/VA
Sample : M3973-21
Misc : 6.86g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	8.159	7.8	ug/L	263966	1	8.842	842950	25.0
(DEL) Alkane: C...	8.439	7.6	ug/L	256823	1	8.842	842950	25.0
(DEL) Alkane: C...	8.512	6.3	ug/L	212071	1	8.842	842950	25.0
(DEL) Alkane: C...	8.579	11.1	ug/L	372549	1	8.842	842950	25.0
(DEL) Alkane: S...	8.695	11.7	ug/L	395931	1	8.842	842950	25.0
(DEL) Alkane: C...	9.518	7.6	ug/L	255354	1	8.842	842950	25.0
(DEL) Alkane: C...	9.610	8.4	ug/L	283265	1	8.842	842950	25.0
(DEL) Alkane: C...	9.750	13.9	ug/L	468223	1	8.842	842950	25.0
(DEL) Alkane: S...	9.957	19.8	ug/L	668759	1	8.842	842950	25.0
(DEL) Alkane: S...	10.098	20.0	ug/L	674025	1	8.842	842950	25.0
(DEL) Alkane: C...	10.506	36.6	ug/L	1275020	2	11.634	869931	25.0
(DEL) Alkane: C...	10.665	22.0	ug/L	764699	2	11.634	869931	25.0
(DEL) Alkane: C...	10.756	24.2	ug/L	842250	2	11.634	869931	25.0
(DEL) Alkane: S...	10.847	6.1	ug/L	213619	2	11.634	869931	25.0
(DEL) Alkane: C...	11.177	24.0	ug/L	835773	2	11.634	869931	25.0
(DEL) Alkane: C...	11.232	39.0	ug/L	1358340	2	11.634	869931	25.0
unknown-01	11.335	17.6	ug/L	612580	2	11.634	869931	25.0
(DEL) Alkane: S...	11.414	25.4	ug/L	885004	2	11.634	869931	25.0
(DEL) Alkane: S...	11.512	27.1	ug/L	943136	2	11.634	869931	25.0
(DEL) Alkane: C...	11.914	24.5	ug/L	852650	2	11.634	869931	25.0
(DEL) Alkane: S...	11.975	7.2	ug/L	250986	2	11.634	869931	25.0
unknown-02	12.042	12.8	ug/L	445607	2	11.634	869931	25.0
(DEL) Alkane: S...	12.250	54.2	ug/L	1886180	2	11.634	869931	25.0
1H-Indene, octa...	12.341	61.8	ug/L	2149020	2	11.634	869931	25.0
(DEL) Alkane: S...	12.542	36.9	ug/L	1283890	2	11.634	869931	25.0
(DEL) Alkane: C...	12.780	54.5	ug/L	2606980	3	13.560	1195050	25.0
(DEL) Alkane: C...	12.859	20.2	ug/L	965717	3	13.560	1195050	25.0
Benzene, 1-ethy...	13.103	194.5	ug/L	9297640	3	13.560	1195050	25.0
(DEL) Alkane: S...	13.164	73.5	ug/L	3512620	3	13.560	1195050	25.0
(DEL) Alkane: S...	13.347	21.3	ug/L	1020240	3	13.560	1195050	25.0
Benzeneacetalde...	13.377	24.5	ug/L	1173000	3	13.560	1195050	25.0
(DEL) Alkane: C...	13.445	74.9	ug/L	3579290	3	13.560	1195050	25.0
(DEL) Alkane: S...	13.487	26.8	ug/L	1280170	3	13.560	1195050	25.0
(DEL) Alkane: S...	13.627	33.8	ug/L	1614170	3	13.560	1195050	25.0
Benzene, 1,2-di...	13.719	92.0	ug/L	4400370	3	13.560	1195050	25.0
Indane	13.755	123.4	ug/L	5898240	3	13.560	1195050	25.0
2-Tolyloxirane	13.798	86.0	ug/L	4110400	3	13.560	1195050	25.0
(DEL) Alkane: S...	13.920	9.1	ug/L	433465	3	13.560	1195050	25.0
Benzene, 1-meth...	13.951	53.1	ug/L	2536460	3	13.560	1195050	25.0
o-Cymene	14.011	85.5	ug/L	4085490	3	13.560	1195050	25.0
Benzene, 1-meth...	14.097	187.3	ug/L	8954300	3	13.560	1195050	25.0
(DEL) Alkane: S...	14.133	14.3	ug/L	681735	3	13.560	1195050	25.0
Indan, 1-methyl-	14.207	286.9	ug/L	13716400	3	13.560	1195050	25.0
unknown-03	14.268	35.0	ug/L	1672620	3	13.560	1195050	25.0
(DEL) Alkane: S...	14.347	126.1	ug/L	6029630	3	13.560	1195050	25.0
(DEL) Alkane: C...	14.389	139.3	ug/L	6657200	3	13.560	1195050	25.0
Benzene, 1,2,4,...	14.420	127.3	ug/L	6085390	3	13.560	1195050	25.0
Benzene, 1,2,3,...	14.457	59.8	ug/L	2858820	3	13.560	1195050	25.0
(DEL) Alkane: S...	14.499	76.9	ug/L	3676530	3	13.560	1195050	25.0
trans-Decalin, ...	14.548	71.2	ug/L	3404050	3	13.560	1195050	25.0
Benzamide, 3-me...	14.603	16.7	ug/L	800200	3	13.560	1195050	25.0
Benzene, 2-ethe...	14.688	136.2	ug/L	6508490	3	13.560	1195050	25.0

Benzene, 1-meth...	14.804	522.9	ug/L	24994200	3	13.560	1195050	25.0
1H-Indene, 2,3-...	15.060	207.9	ug/L	9938870	3	13.560	1195050	25.0
1H-Indene, 2,3-...	15.176	333.1	ug/L	15925100	3	13.560	1195050	25.0
(DEL) Alkane: S...	15.243	117.5	ug/L	5617580	3	13.560	1195050	25.0
(DEL) Alkane: S...	15.322	182.2	ug/L	8710700	3	13.560	1195050	25.0
Benzene, (1-eth...	15.469	82.6	ug/L	3950380	3	13.560	1195050	25.0
Naphthalene, 1,...	15.517	55.7	ug/L	2662170	3	13.560	1195050	25.0
1H-Indene, 2,3-...	15.658	148.7	ug/L	7108020	3	13.560	1195050	25.0
(DEL) Alkane: S...	15.731	69.8	ug/L	3336230	3	13.560	1195050	25.0
1H-Indene, 2,3-...	15.822	92.3	ug/L	4414110	3	13.560	1195050	25.0
unknown-04	15.950	30.8	ug/L	1473170	3	13.560	1195050	25.0
Benzene, (1,2-d...	16.023	84.2	ug/L	4025750	3	13.560	1195050	25.0
1H-Indene, 2,3-...	16.170	77.2	ug/L	3689780	3	13.560	1195050	25.0
Benzo[b]thiophe...	16.371	48.5	ug/L	2319950	3	13.560	1195050	25.0
Naphthalene, 2-...	16.639	270.5	ug/L	12931900	3	13.560	1195050	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5