LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

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: VW020173.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	69	75	86	rVB	110472	210014	8.64%	1.044%
2	2.897	156	163	178	rVB2	76433	198213	8.15%	0.985%
3	3.403	237	246	256	rVB6	2718	7360	0.30%	0.037%
4	4.025	336	348	359	rBV	133177	391710	16.11%	1.947%
5	4.129	361	365	374	rVV2	15679	40501	1.67%	0.201%
6	4.208	375	378	386	rVV2	3617	7922	0.33%	0.039%
7	4.397	398	409	420	rBV2	6295	19262	0.79%	0.096%
8	4.921	484	495	509	rBV2	19255	67138	2.76%	0.334%
9	5.427	568	578	579	rBV3	2908	4513	0.19%	0.022%
10	5.799	630	639	641	rBV5	1686	4100	0.17%	0.020%
11	5.952	655	664	673	rVV5	5589	16143	0.66%	0.080%
12	6.982	826	833	842	rBV6	4052	11841	0.49%	0.059%
13	7.086	842	850	858	rBV2	23746	69346	2.85%	0.345%
14	7.653	931	943	957	rBV	223949	545246	22.43%	2.710%
15	7.958	984	993	1002	rBV3	7356	19411	0.80%	0.096%
16	8.037	1002	1006	1012	rVB5	2080	4079	0.17%	0.020%
17	8.165	1020	1027	1032	rBV5	2154	4906	0.20%	0.024%
18	8.281	1032	1046	1063	rVV2	401923	1202038	49.44%	5.974%
19	8.433	1065	1071	1078	rVV6	6499	16300	0.67%	0.081%
20	8.512	1078	1084	1089	rVV5	5736	14147	0.58%	0.070%
21	8.573	1089	1094	1103	rVB3	11614	26399	1.09%	0.131%
22	8.701	1109	1115	1122	rBV5	1449	3428	0.14%	0.017%
23	8.848	1130	1139	1155	rBV	380505	735768	30.26%	3.657%
24	9.091	1174	1179	1185	rVB5	5656	11133	0.46%	0.055%
25	9.146	1185	1188	1193	rVB3	1246	2224	0.09%	0.011%
26	9.280	1200	1210	1215	rBV	279673	606712	24.95%	3.015%
27	9.341	1215	1220	1226	rVB	105035	207033	8.52%	1.029%
28	9.524	1243	1250	1254	rBV3	11575	22203	0.91%	0.110%
29	9.610	1254	1264	1275	rVB2	39579	92487	3.80%	0.460%
30	9.750	1279	1287	1298	rBV2	59009	118530	4.88%	0.589%
31	9.902	1300	1312	1316	rBV	27405	57270	2.36%	0.285%
32	9.945	1316	1319	1324	rVB2	12468	20866	0.86%	0.104%
33	10.036	1328	1334	1338	rBV	99151	173625	7.14%	0.863%
34	10.085	1338	1342	1346	rVV	44127	81589	3.36%	0.405%
35	10.128	1346	1349	1357	rVB	31039	57090	2.35%	0.284%
36	10.213	1357	1363	1364	rBV	13072	18227	0.75%	0.091%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

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	10.323	1373	1381	1396	rBV	875657	1842258	75.77%	9.156%
38	10.451	1396	1402	1404	rBV	36720	62267	2.56%	0.309%
39	10.500	1404	1410	1418	rVB3	162763	423078	17.40%	2.103%
40	10.585	1418	1424	1427	rBV2	72348	136850	5.63%	0.680%
41	10.664	1432	1437	1446	rVB	386684	700084	28.79%	3.479%
42	10.762	1446	1453	1458	rBV2	180697	356759	14.67%	1.773%
43	10.847	1463	1467	1472	rVB	52930	85457	3.51%	0.425%
44	10.933	1472	1481	1487	rBV2	165219	347419	14.29%	1.727%
45	11.000	1487	1492	1493	rBV	23663	31854	1.31%	0.158%
46	11.036	1494	1498	1505	rVB3	65402	129464	5.32%	0.643%
47	11.109	1505	1510	1513	rBV2	83546	142181	5.85%	0.707%
48	11.176	1513	1521	1526	rBV	542156	1013391	41.68%	5.037%
49	11.231	1526	1530	1535	rVB	399199	642776	26.44%	3.195%
50	11.286	1535	1539	1543	rBV	66388	86052	3.54%	0.428%
51	11.335	1543	1547	1552	rVB3	117237	192802	7.93%	0.958%
52	11.384	1552	1555	1559	rVB2	25406	34400	1.41%	0.171%
53	11.439	1559	1564	1571	rVB	174805	313907	12.91%	1.560%
54	11.506	1571	1575	1579	rBV2	20052	34103	1.40%	0.169%
55	11.561	1579	1584	1590	rVB4	21980	35364	1.45%	0.176%
56	11.634	1590	1596	1605	rBV	443325	766525	31.53%	3.810%
57	11.725	1605	1611	1615	rBV	245254	429642	17.67%	2.135%
58	11.768	1615	1618	1621	rVB	56446	69930	2.88%	0.348%
59	11.841	1621	1630	1634	rBV	405965	888716	36.55%	4.417%
60	11.975	1648	1652	1657	rBV3	17332	28016	1.15%	0.139%
61	12.042	1657	1663	1671	rVB	66042	122991	5.06%	0.611%
62	12.140	1671	1679	1686	rBV2	82054	224813	9.25%	1.117%
63	12.195	1686	1688	1701	rVB3	45491	107749	4.43%	0.536%
64	12.298	1701	1705	1707	rBV2	25577	38677	1.59%	0.192%
65	12.341	1707	1712	1717	rBV2	107798	172222	7.08%	0.856%
66	12.463	1729	1732	1743	rVB	24268	48322	1.99%	0.240%
67	12.609	1752	1756	1763	rVB6	11307	20776	0.85%	0.103%
68	12.694	1763	1770	1776	rBV	183869	316101	13.00%	1.571%
69	12.780	1780	1784	1792	rVB3	33272	74532	3.07%	0.370%
70	12.865	1792	1798	1802	rBV5	13269	28172	1.16%	0.140%
71	12.944	1805	1811	1816	rVB3	39302	76705	3.15%	0.381%
72	13.103	1830	1837	1844	rBV	494559	784133	32.25%	3.897%
73	13.176	1844	1849	1855	rVV7	13355	30657	1.26%	0.152%
74	13.249	1855	1861	1872	rVV	1614785	2431382	100.00%	12.084%
75	13.560	1905	1912	1913	rBV	284235	406049	16.70%	2.018%
76	13.585	1914	1916	1924	rVB	336511	446181	18.35%	2.218%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

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

77	13.713	1935	1937	1940	rBV2	7606	9373	0.39%	0.047%
78	13.755	1940	1944	1949	rVB	53175	77833	3.20%	0.387%
79	13.853	1954	1960	1970	rVB	241233	456503	18.78%	2.269%
80	13.950	1972	1976	1981	rVB	18125	26296	1.08%	0.131%
81	14.011	1981	1986	1988	rBV	27787	43116	1.77%	0.214%
82	14.097	1996	2000	2006	rVB	38945	63784	2.62%	0.317%
83	14.206	2012	2018	2023	rVB3	16230	28544	1.17%	0.142%
84	14.267	2023	2028	2033	rVB7	4251	9396	0.39%	0.047%
85	14.334	2033	2039	2043	rBV3	13183	22239	0.91%	0.111%
86	14.383	2043	2047	2048	rVV2	5557	7067	0.29%	0.035%
87	14.414	2049	2052	2055	rVV	17040	26129	1.07%	0.130%
88	14.456	2055	2059	2064	rVB	25055	37713	1.55%	0.187%
89	14.548	2070	2074	2079	rVB6	5509	7876	0.32%	0.039%
90	14.688	2093	2097	2100	rBV5	2200	3933	0.16%	0.020%
91	14.731	2100	2104	2108	rVB4	2608	4798	0.20%	0.024%
92	14.792	2108	2114	2121	rBV3	10031	24748	1.02%	0.123%
93	14.853	2121	2124	2128	rVB6	1924	2871	0.12%	0.014%
94	15.066	2152	2159	2162	rBV6	2745	5168	0.21%	0.026%
95	15.170	2172	2176	2183	rVB6	3872	7332	0.30%	0.036%
96	15.255	2185	2190	2192	rBV5	1147	1994	0.08%	0.010%
97	15.432	2212	2219	2223	rVV3	9172	17623	0.72%	0.088%
98	15.487	2223	2228	2235	rVB	11335	20811	0.86%	0.103%
99	15.798	2276	2279	2284	rVB6	1359	2097	0.09%	0.010%
100	16.639	2411	2417	2421	rBV5	991	2118	0.09%	0.011%

Sum of corrected areas: 20120893

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
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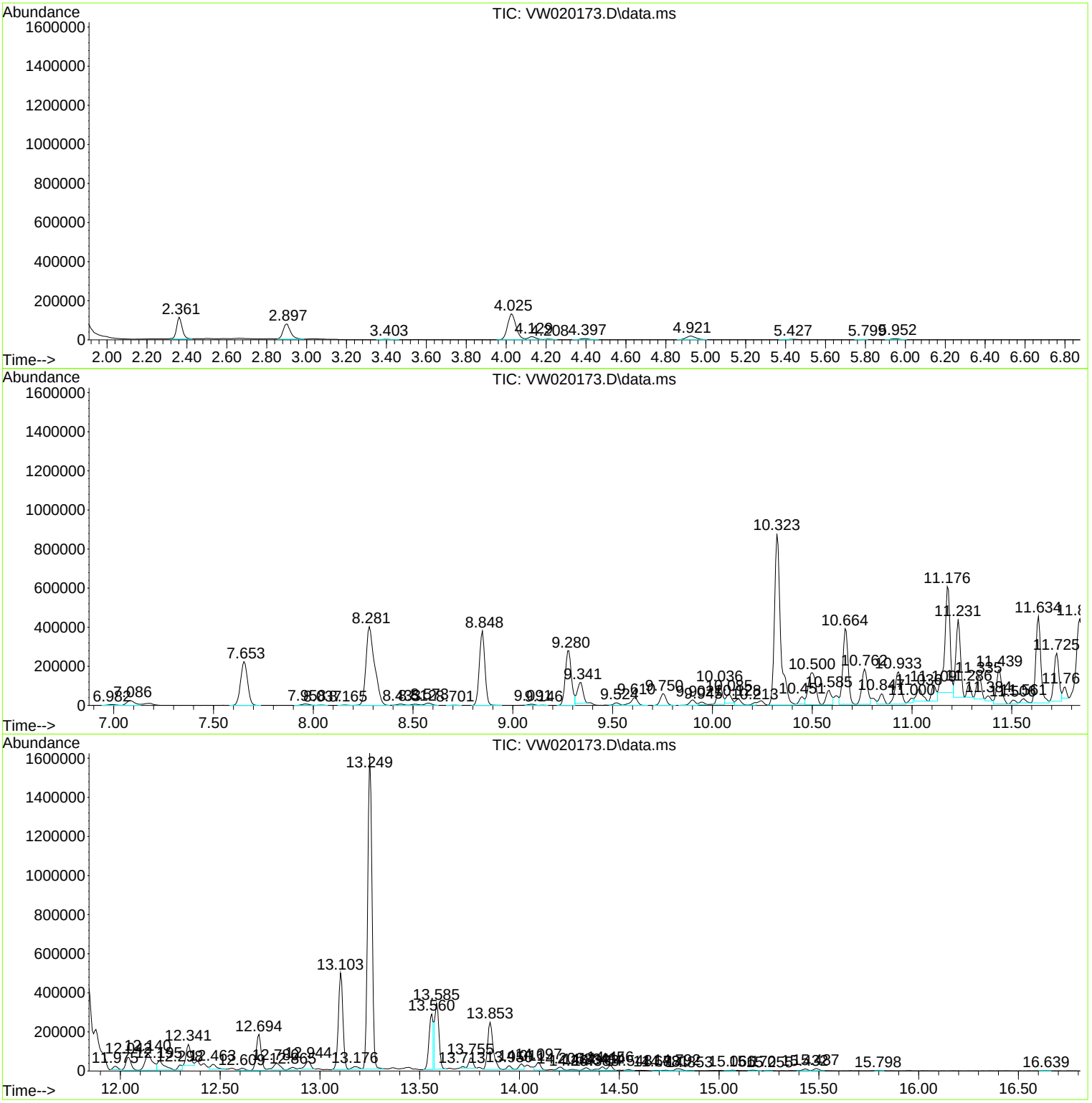
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

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\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

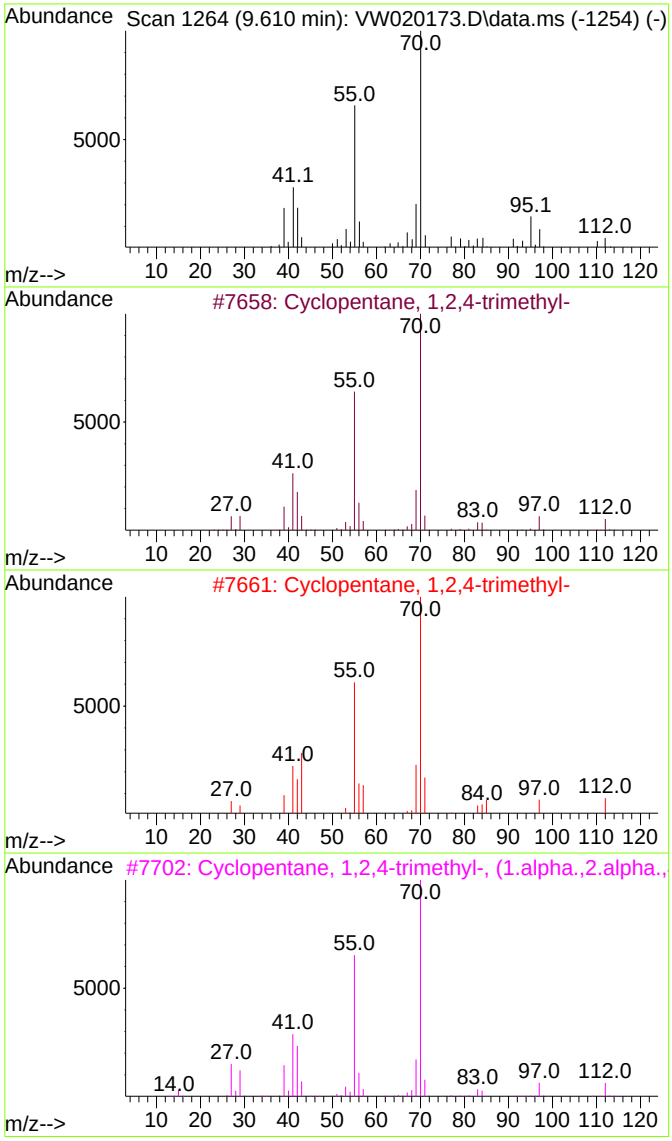
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

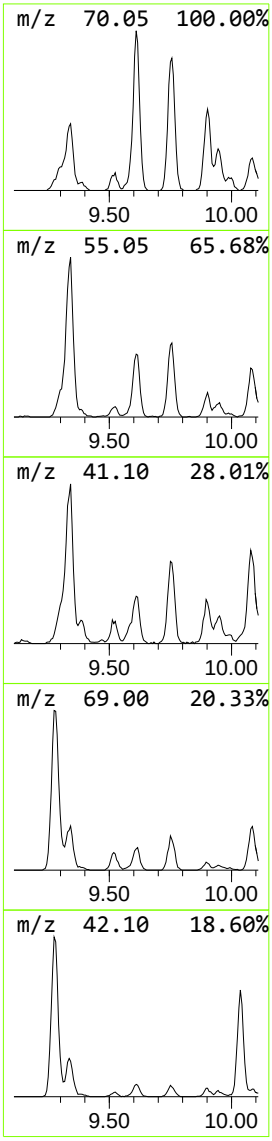
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic9.610 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	3.14 ug/L	92487	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
4	Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

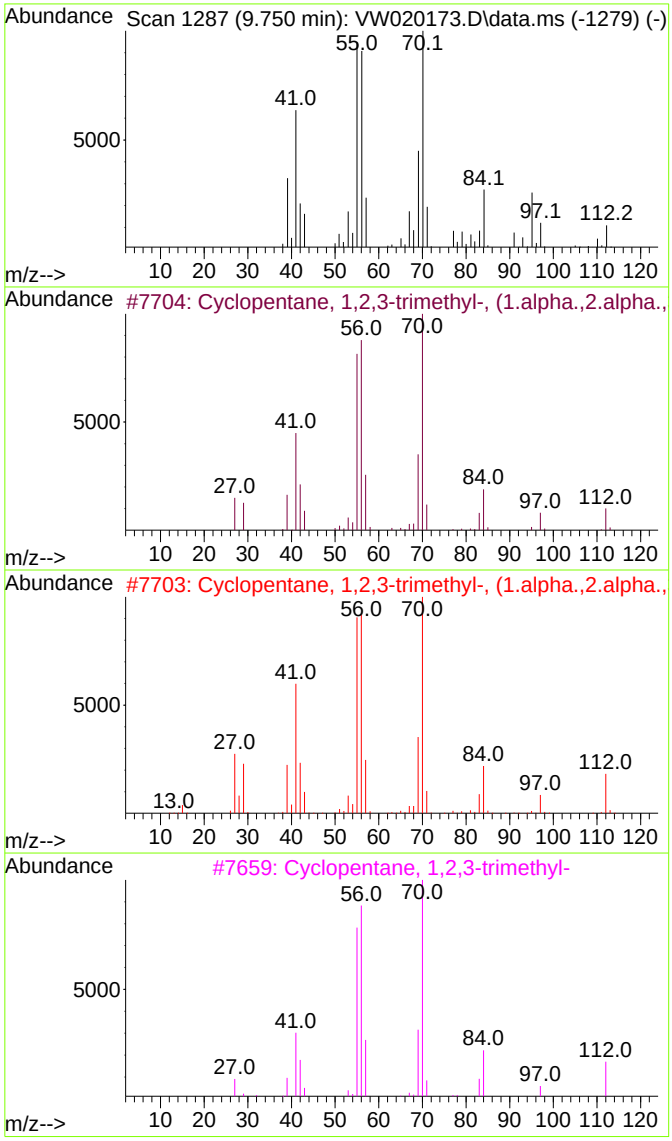
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

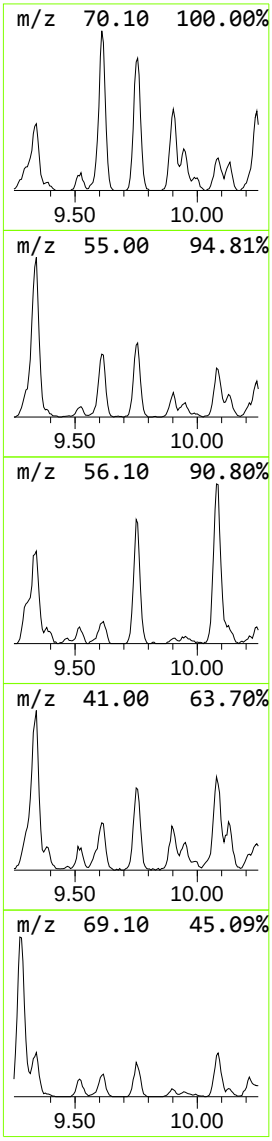
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic9.750 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	4.03 ug/L	118530	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
5	3-Octene, (Z)-	112	C8H16	014850-22-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

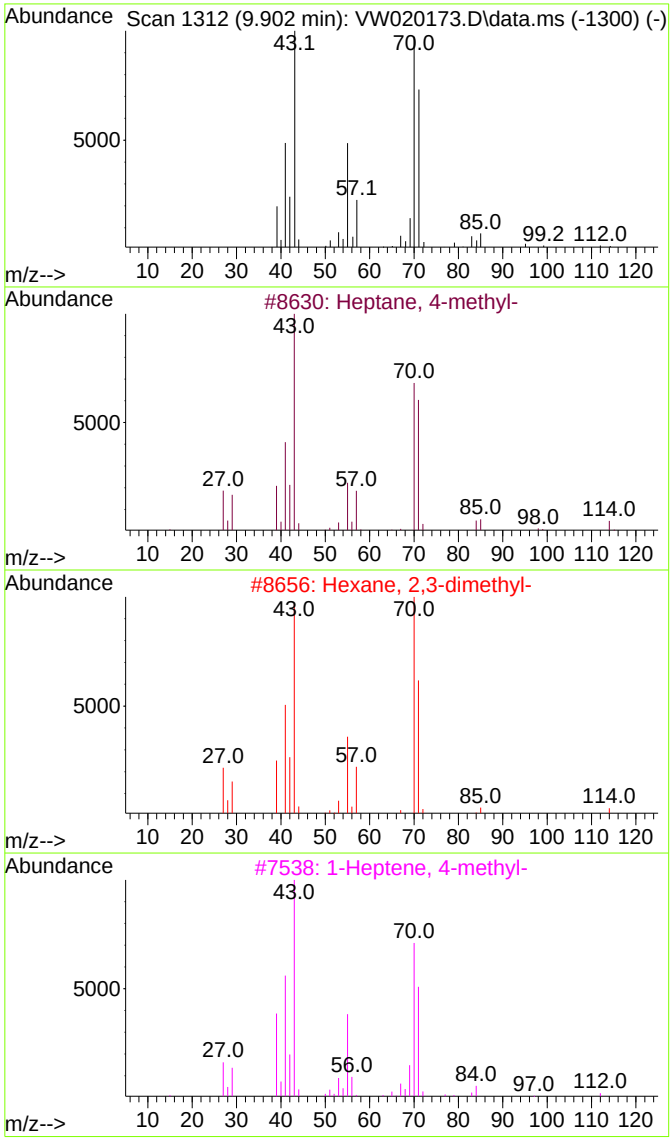
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

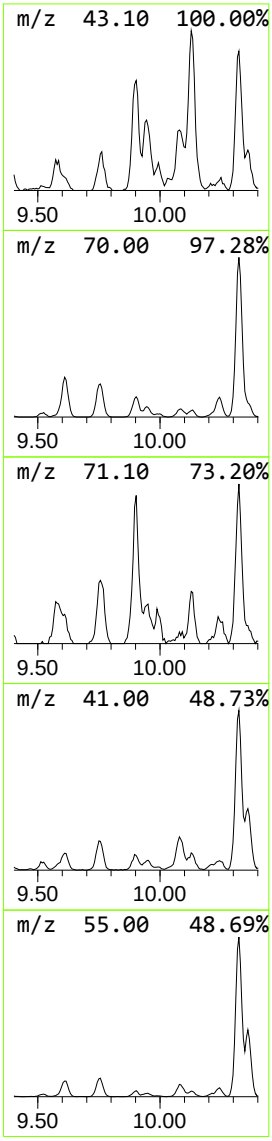
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	1.95 ug/L	57270	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	86
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	68
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
5	Pyrrolidine	71	C4H9N	000123-75-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

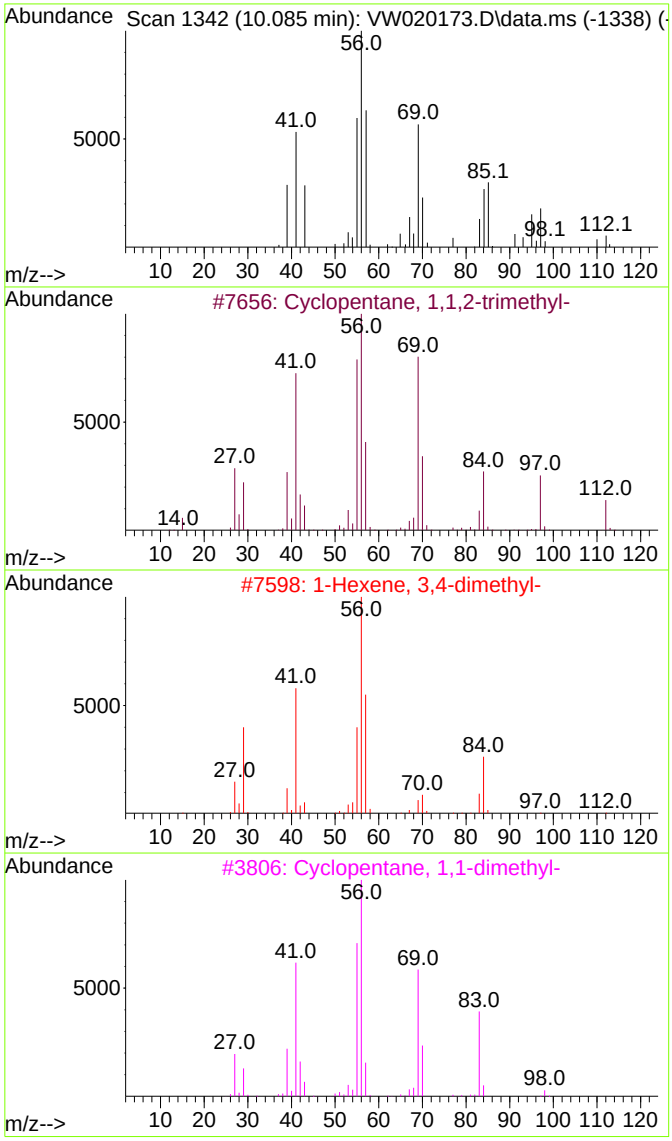
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

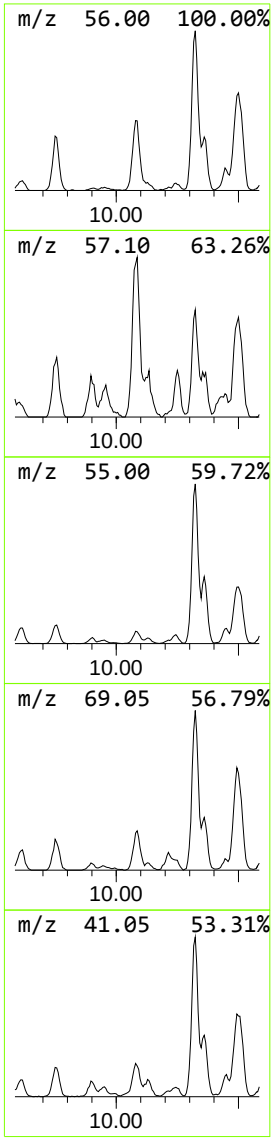
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic10.085 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.085	2.77 ug/L	81589	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	64
2	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	49
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

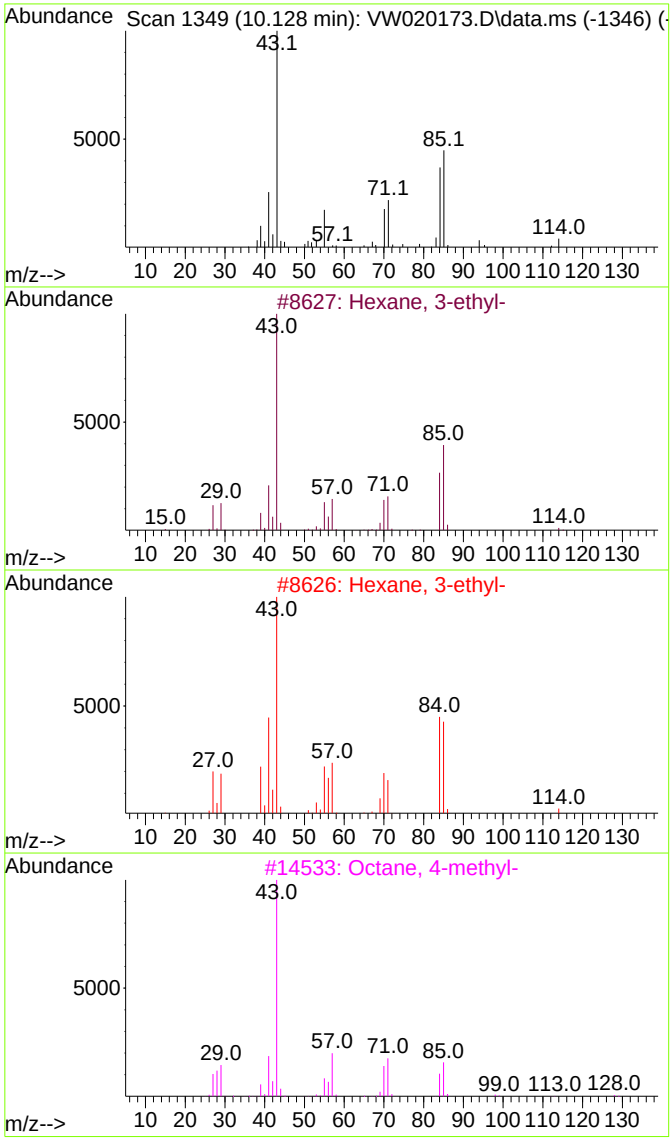
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

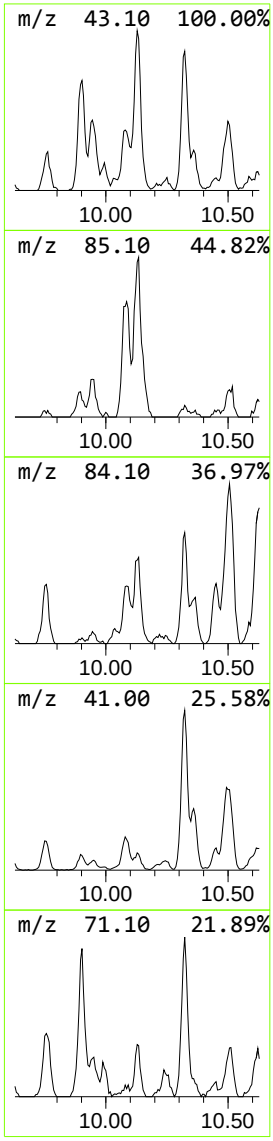
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.128	1.94 ug/L	57090	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Octane, 4-methyl-	128	C9H20	002216-34-4	72
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	53





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Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

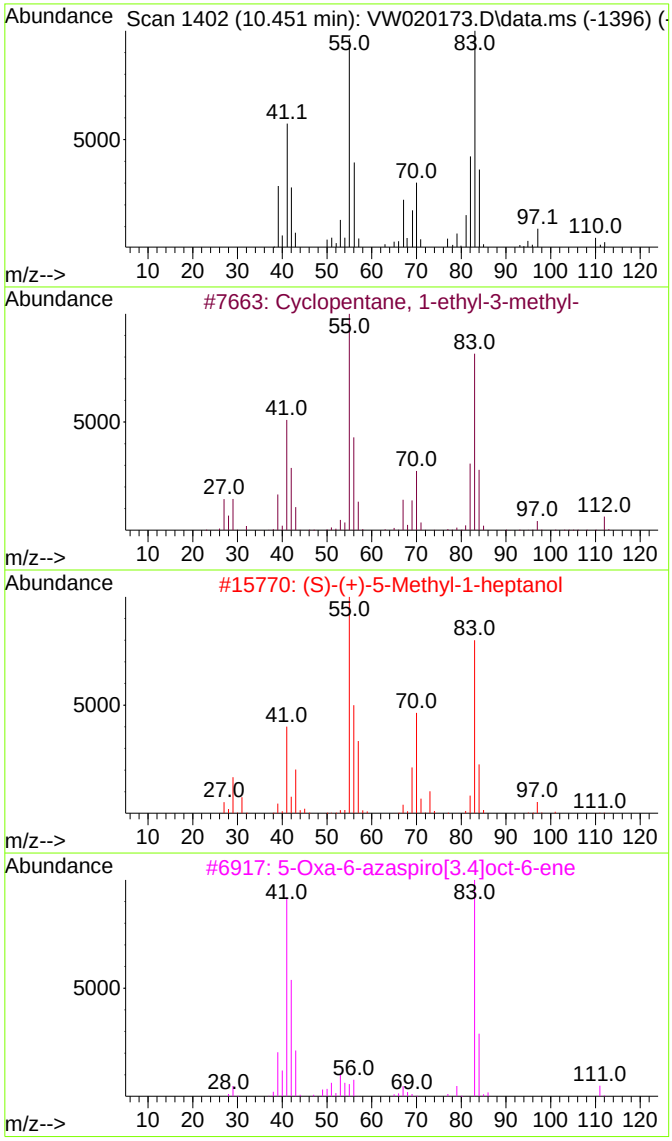
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

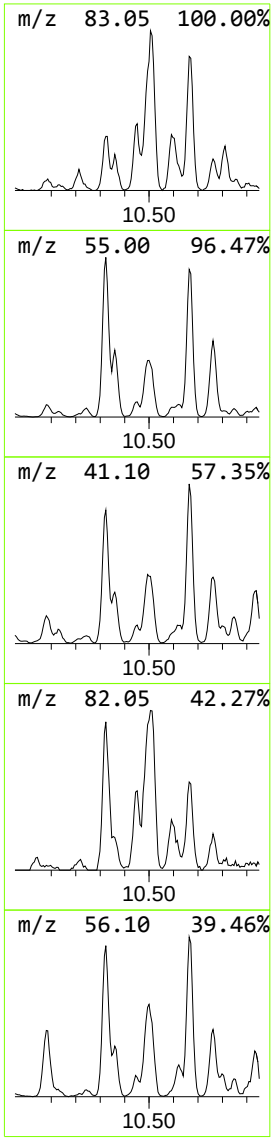
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic10.451 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	2.03 ug/L	62267	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	83
2	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	53
3	5-Oxa-6-azaspiro[3.4]oct-6-ene	111	C6H9NO	1000362-18-0	38
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	38
5	Cyclopropane, 2-bromo-1,1,3-trim...	162	C6H11Br	036617-00-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

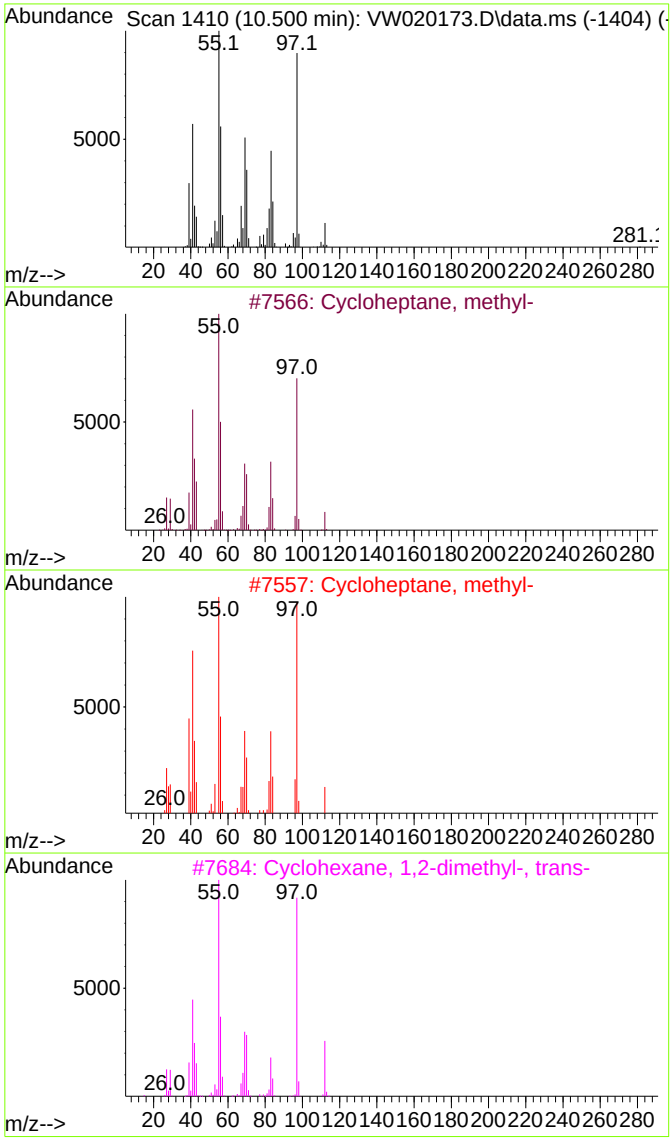
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

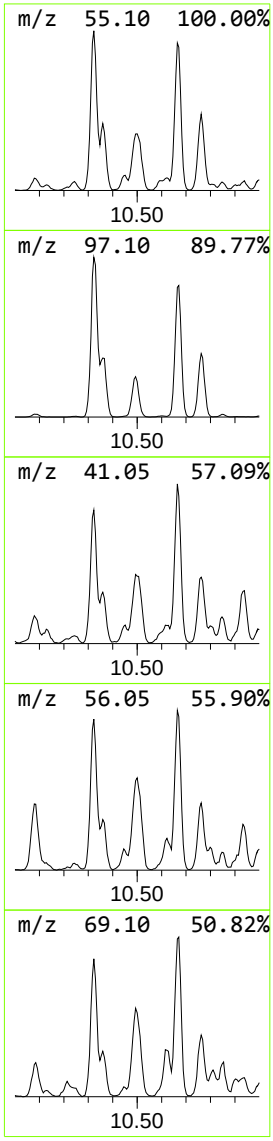
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic10.500 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	13.80 ug/L	423078	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	91
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	87
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	74
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	72
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

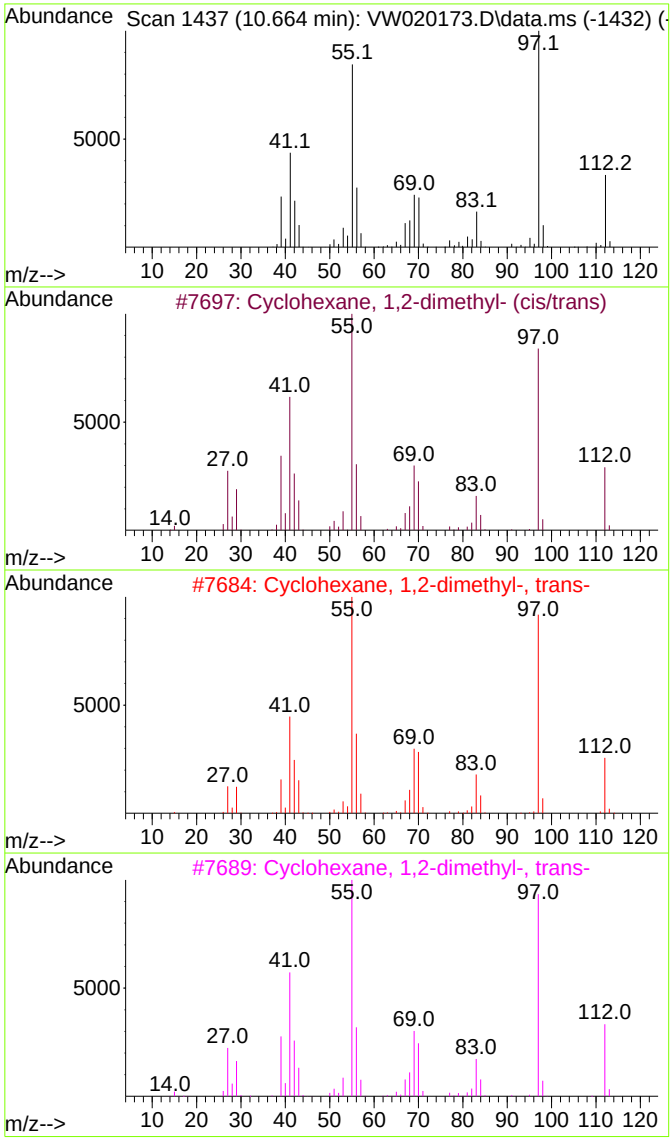
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

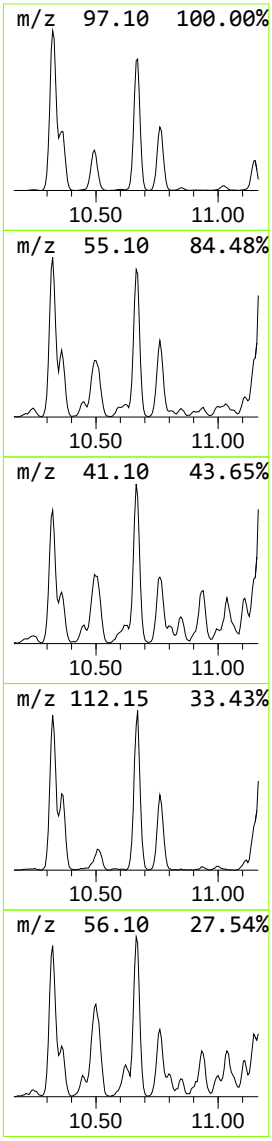
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic10.664 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	22.83 ug/L	700084	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

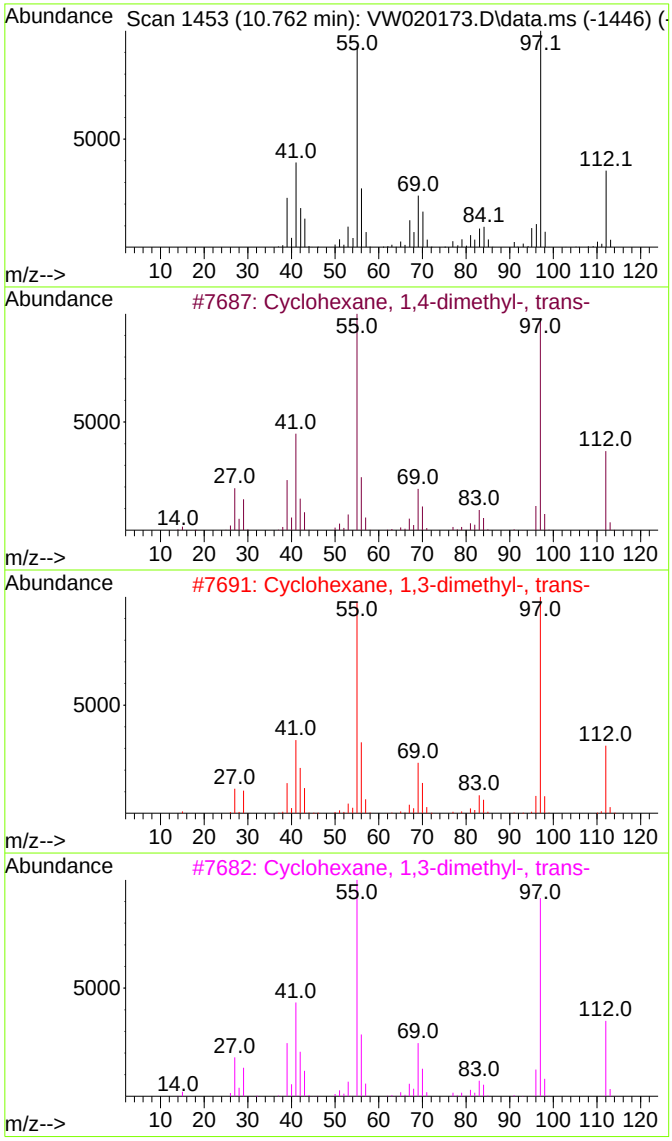
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

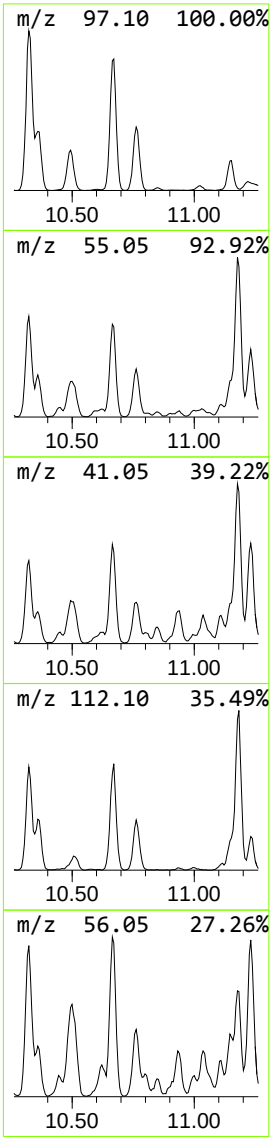
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.762 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	11.64 ug/L	356759	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

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

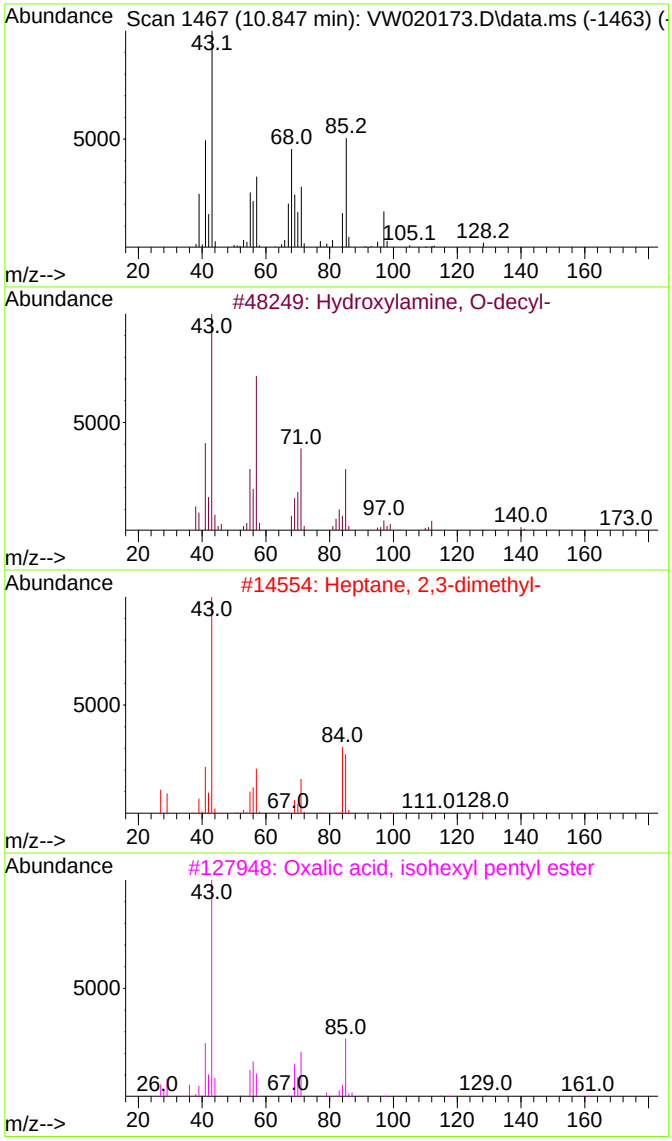
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

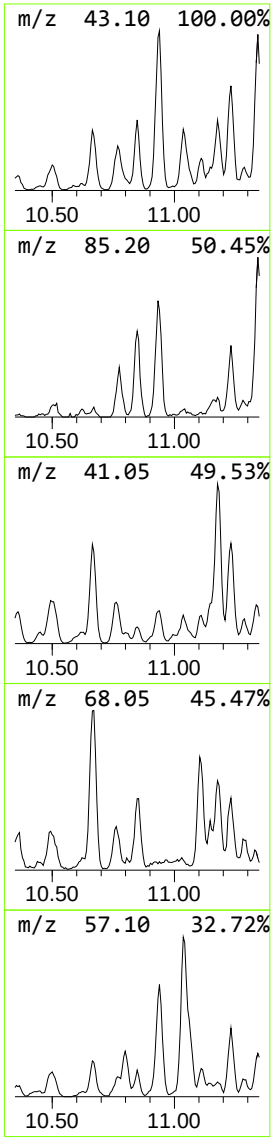
****

Peak Number 11 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	2.79 ug/L	85457	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	43
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	43
4	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	43
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

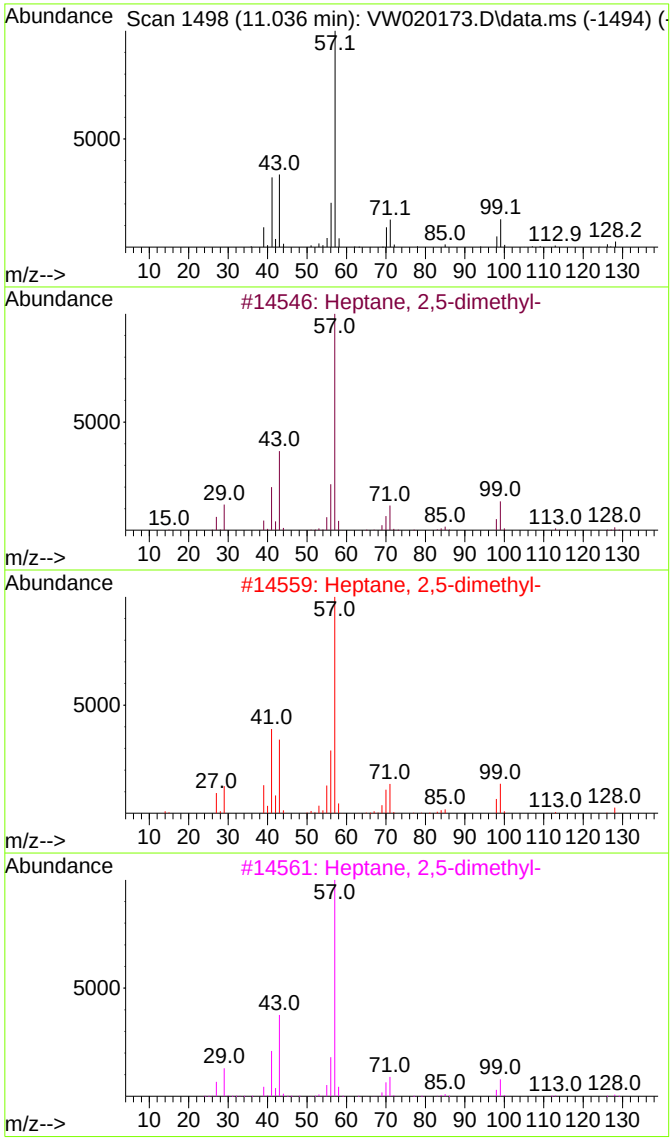
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

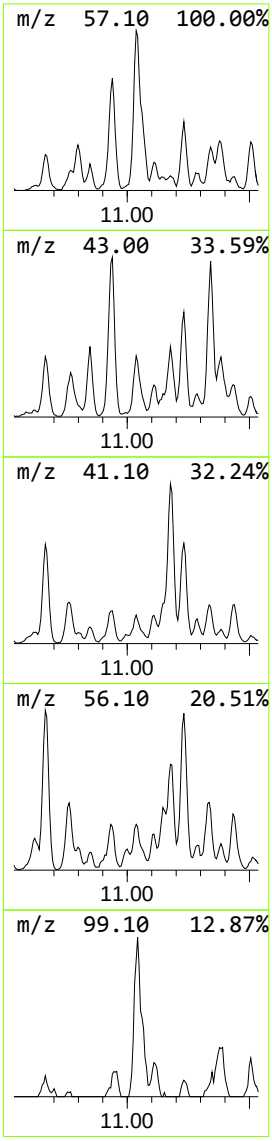
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	4.22 ug/L	129464	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
4	Octane, 3-methyl-	128	C9H20	002216-33-3	80
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

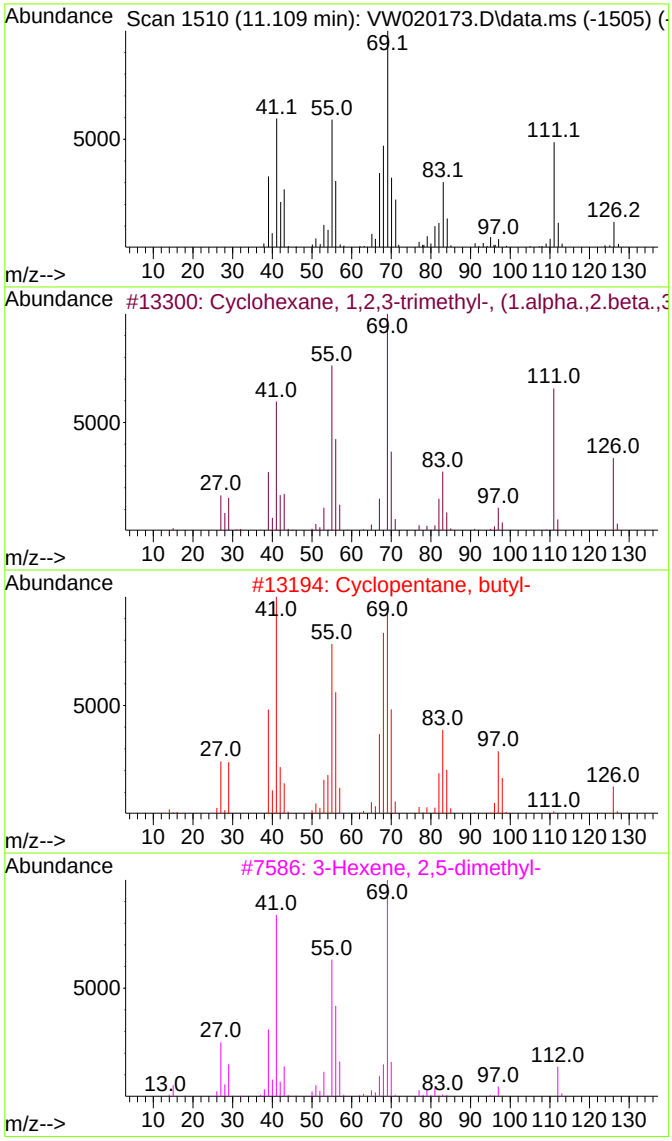
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

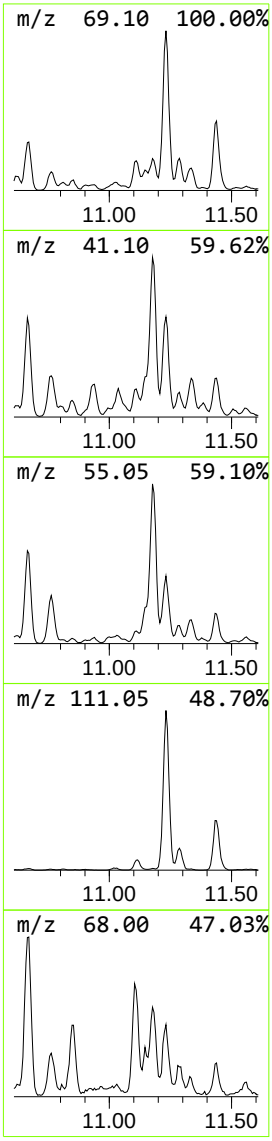
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic11.109 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	4.64 ug/L	142181	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	70
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	38
4	Cycloheptanone, 3-methyl-	126	C8H14O	000933-17-5	38
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

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: Cyclic11.176 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	33.05 ug/L	1013390	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
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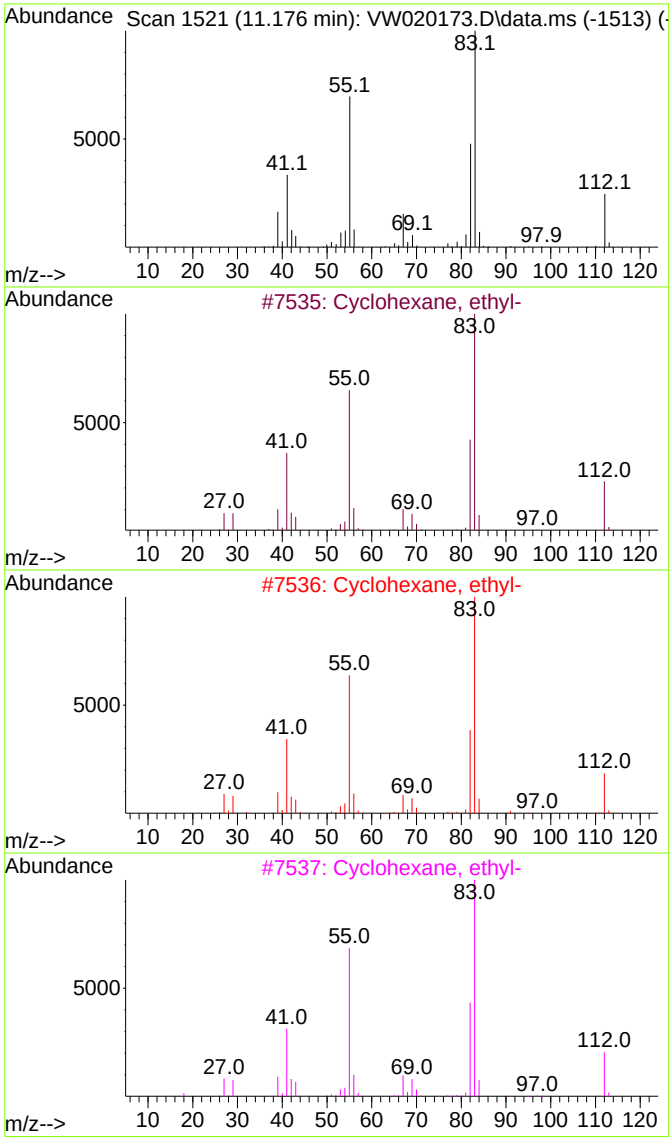
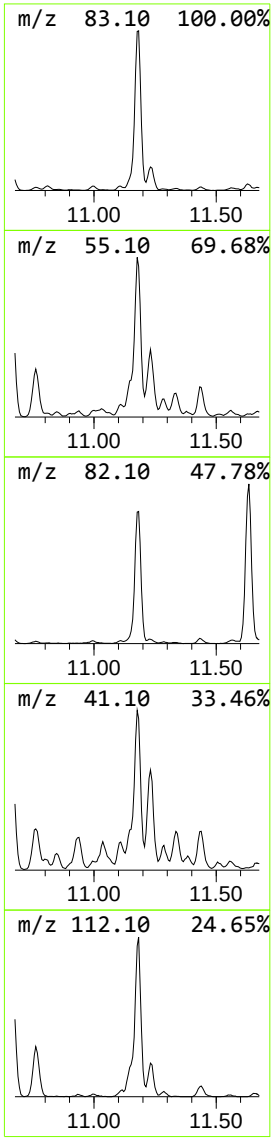
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

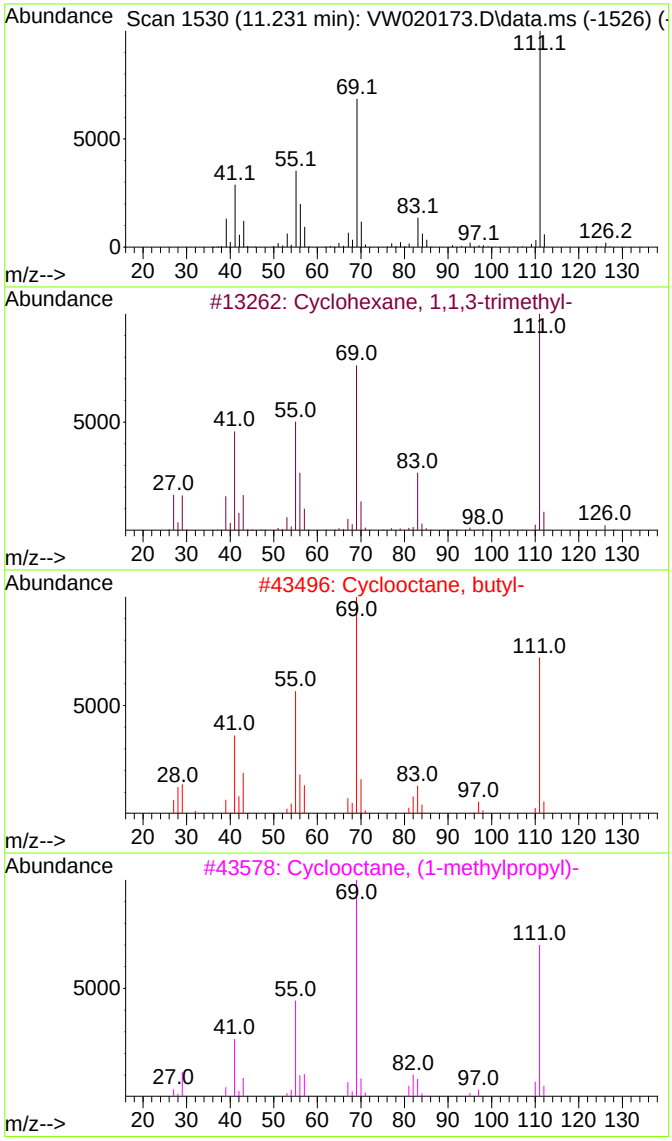
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

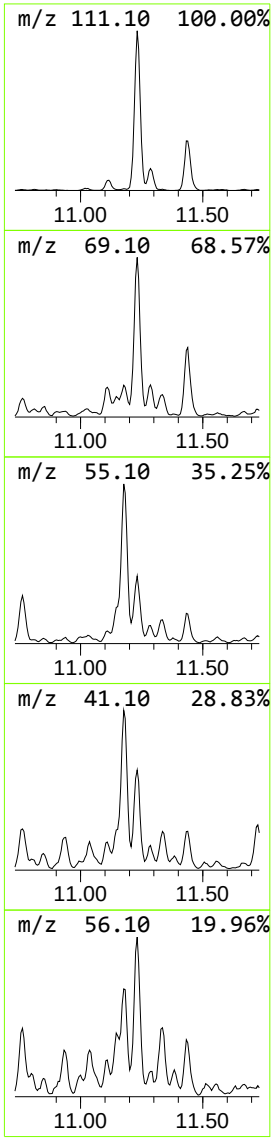
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.231 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	20.96 ug/L	642776	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	Cyclooctane, butyl-	168	C12H24	016538-93-5	72
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	56
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

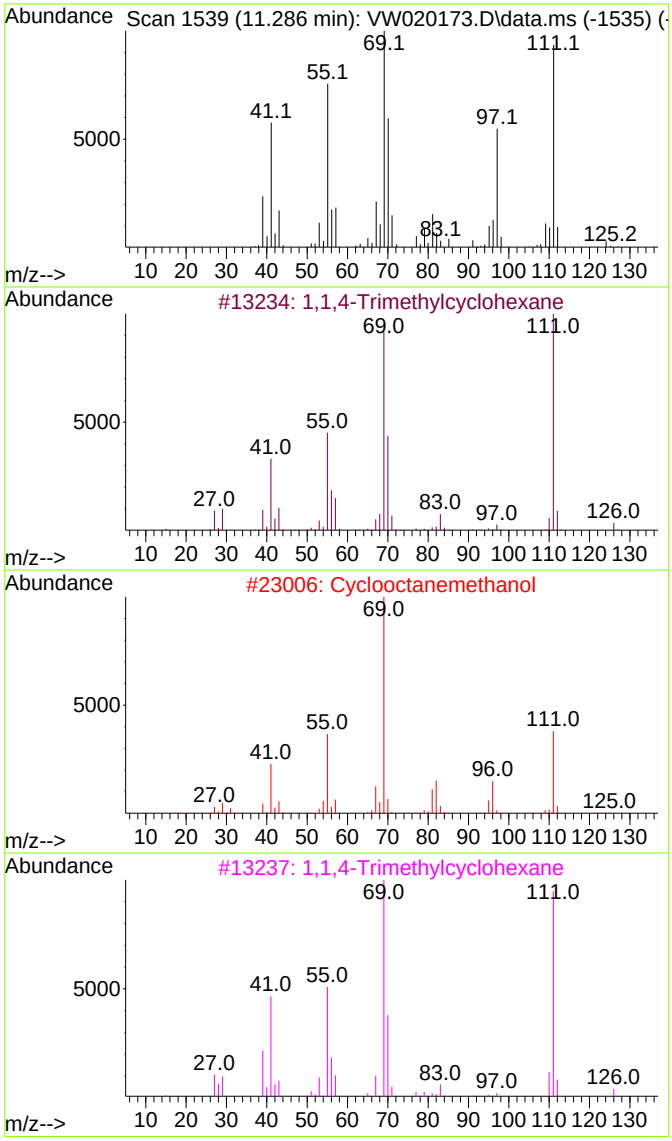
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

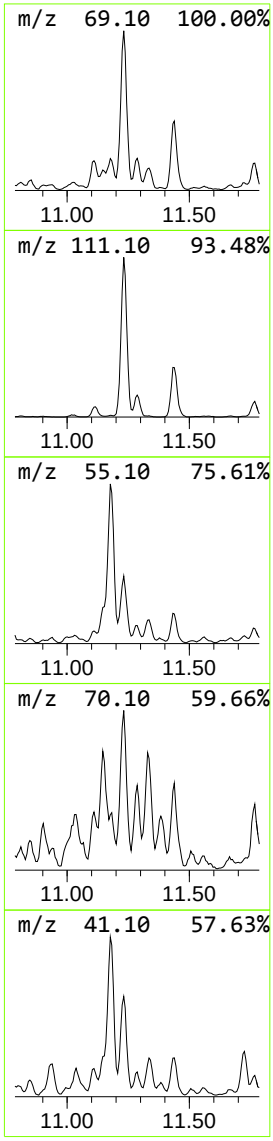
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.286 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.81 ug/L	86052	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
2	Cyclooctanemethanol	142	C9H18O	003637-63-6	50
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
5	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

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

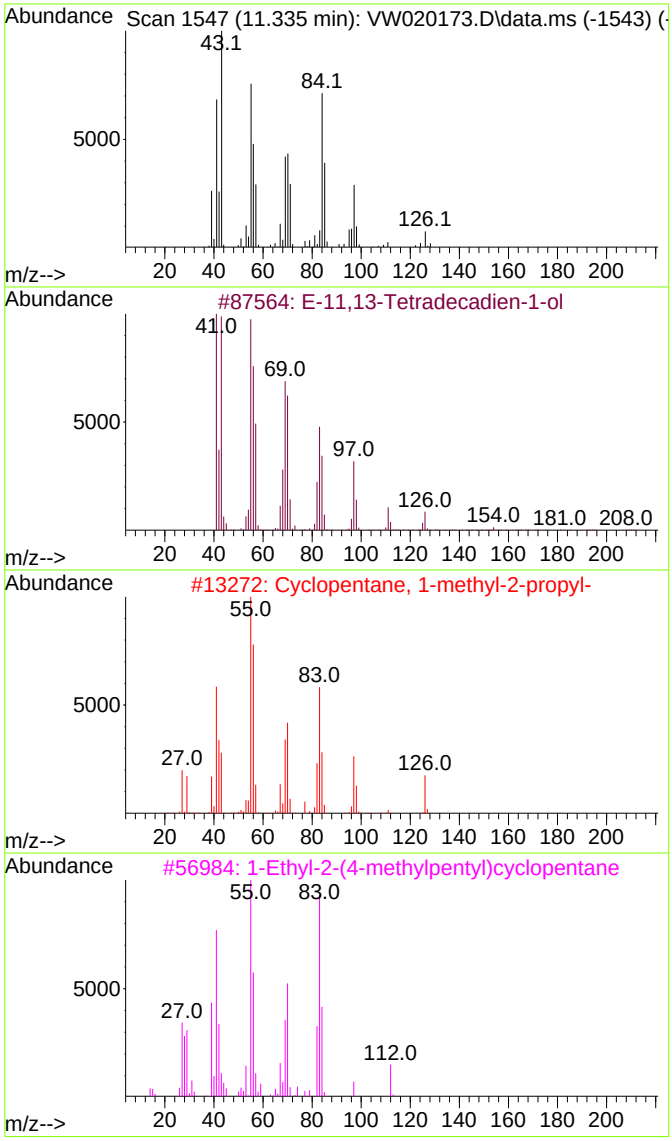
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

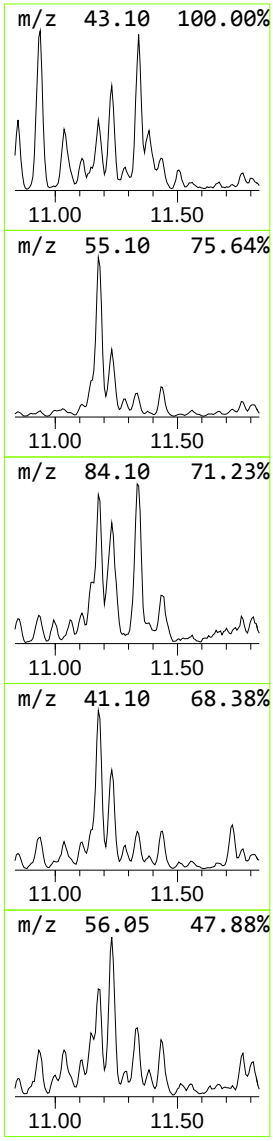
****

Peak Number 17 E-11,13-Tetradecadien-1-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	6.29 ug/L	192802	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-11,13-Tetradecadien-1-ol	210	C14H26O	1000131-00-3	53
2	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	47
3	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	43
4	Piperidine	85	C5H11N	000110-89-4	43
5	1-Heptene	98	C7H14	000592-76-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

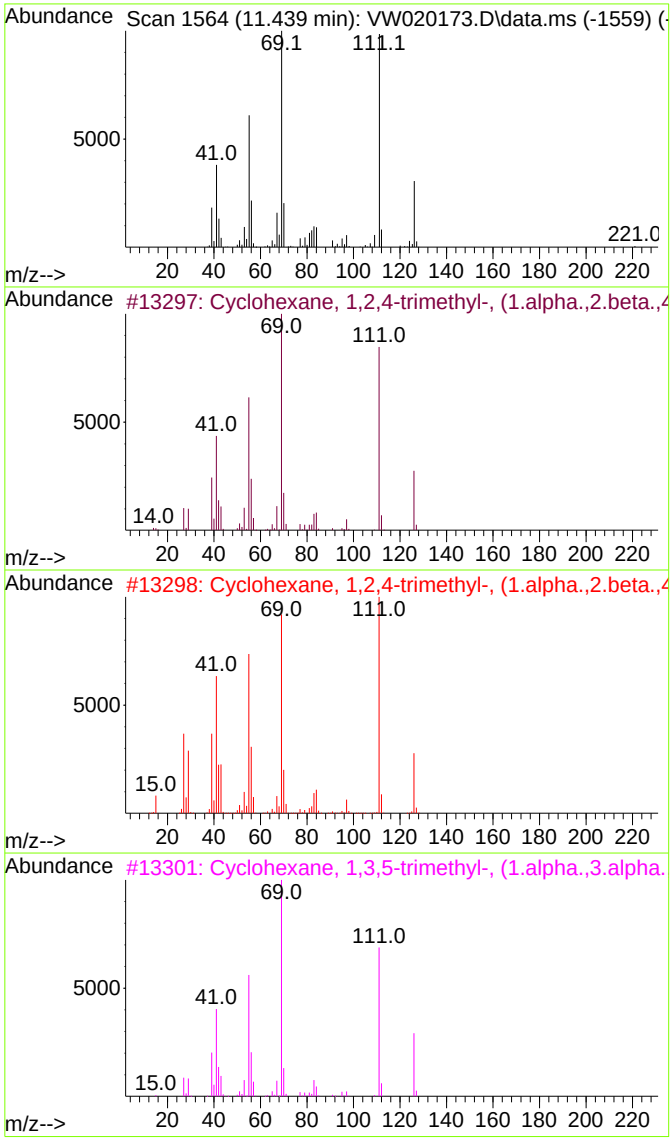
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

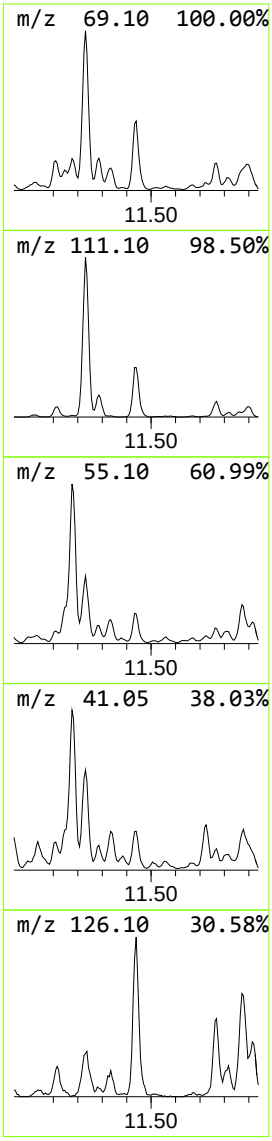
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.439 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	10.24 ug/L	313907	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

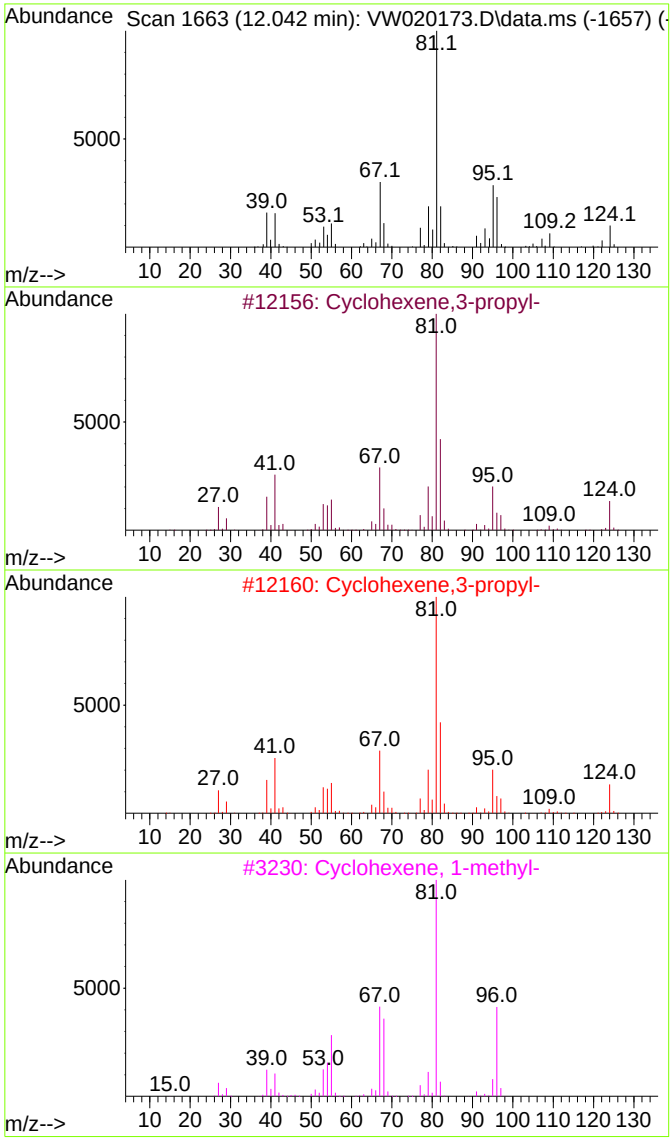
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

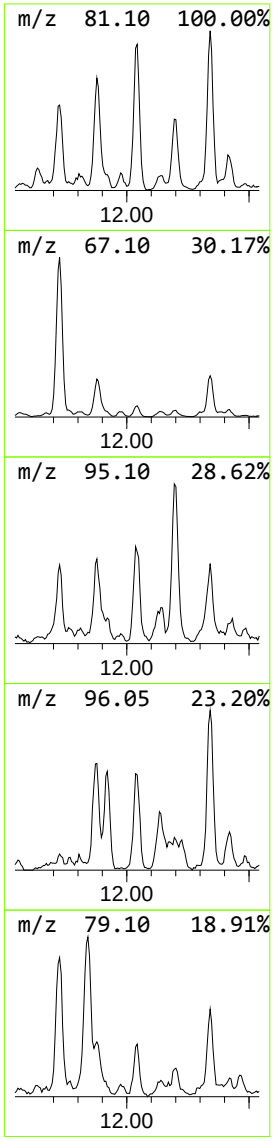
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclohexene,3-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	4.01 ug/L	122991	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
2	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
4	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	53
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	53





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Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

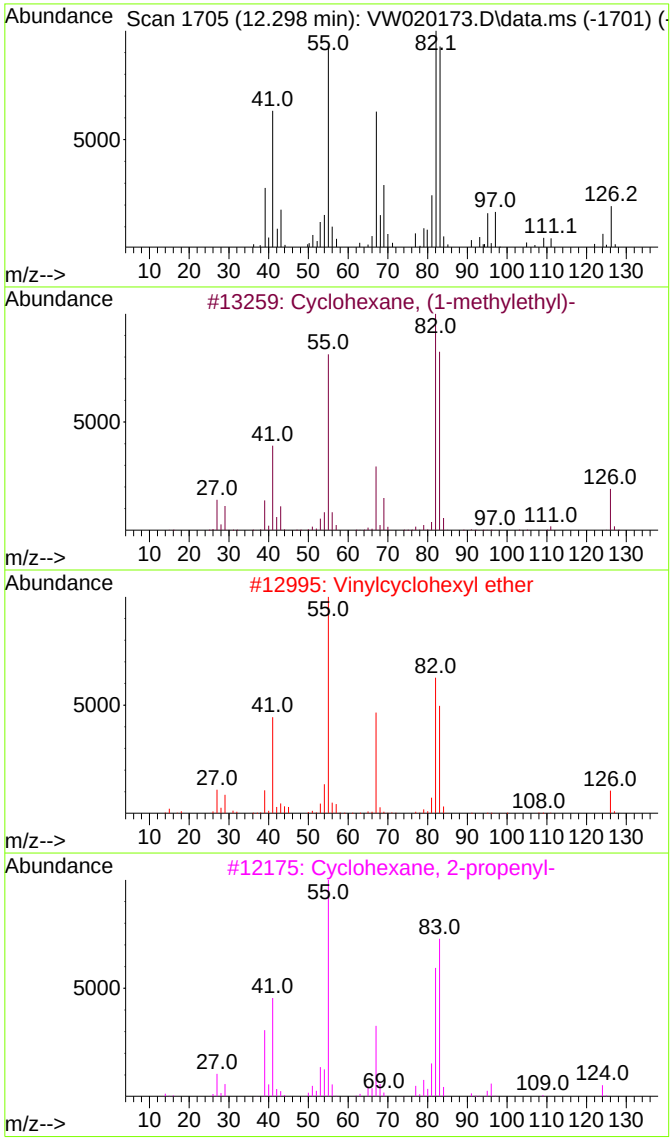
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

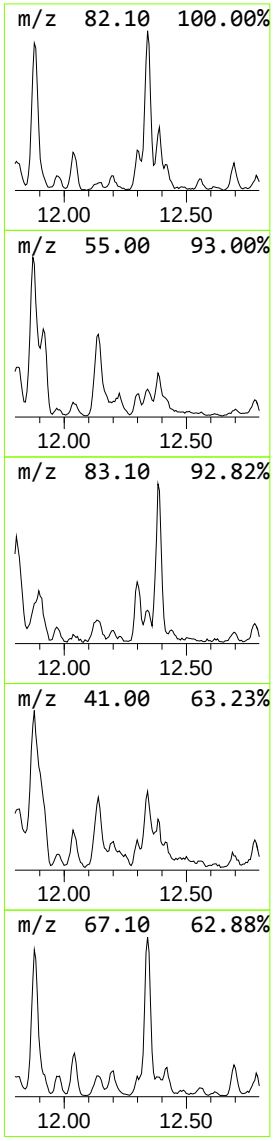
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic12.298 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	1.26 ug/L	38677	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
2	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	72
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	68
4	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	64
5	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

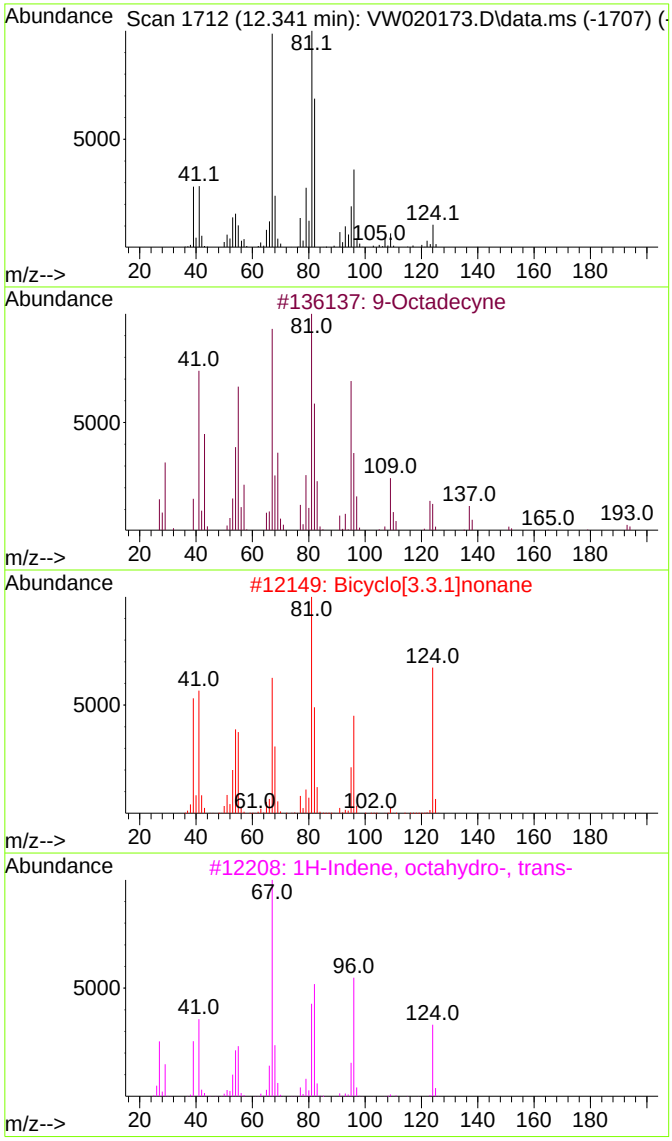
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

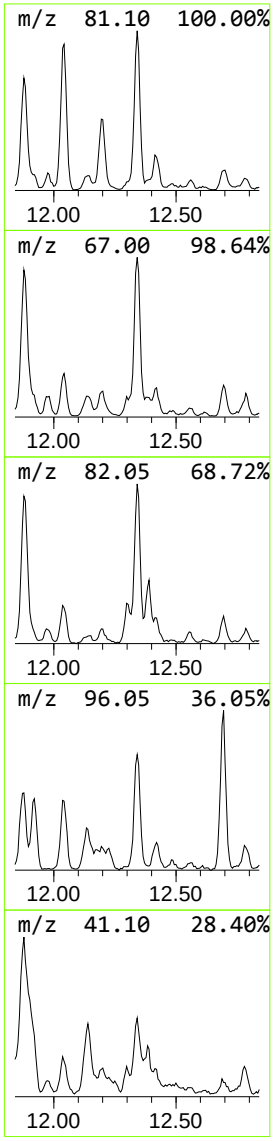
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	5.62 ug/L	172222	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecyne	250	C18H34	035365-59-4	78
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	72
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
4	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	49
5	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

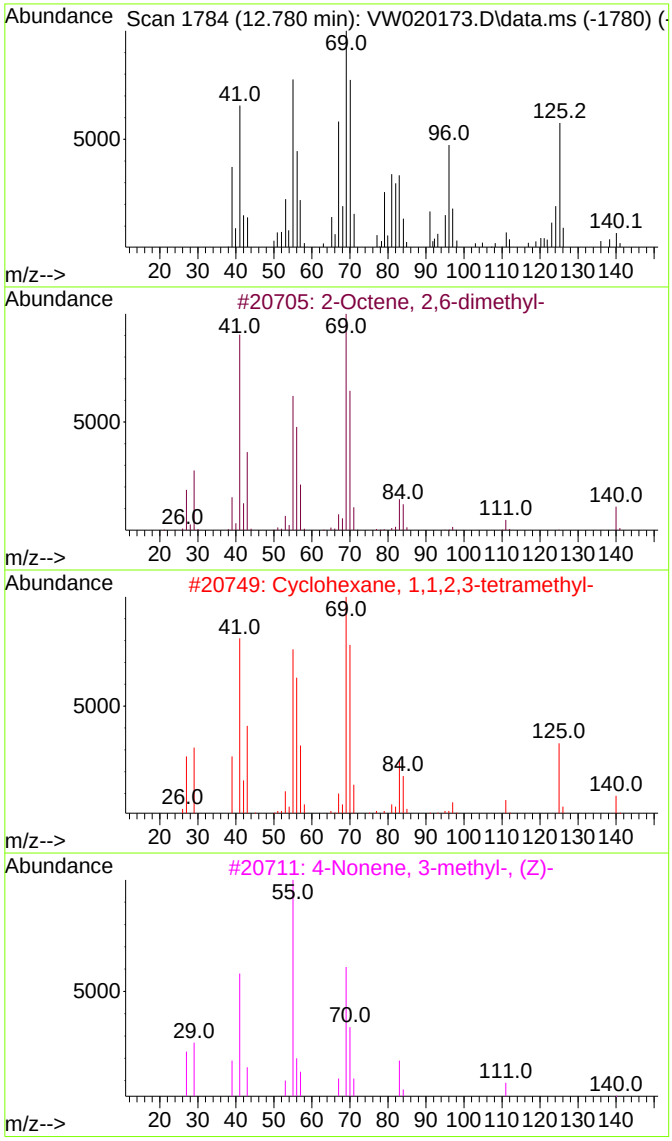
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

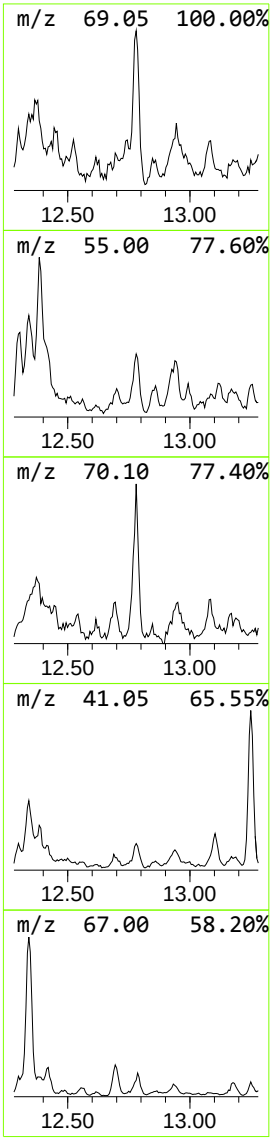
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	4.59 ug/L	74532	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	55
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
3	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	46
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

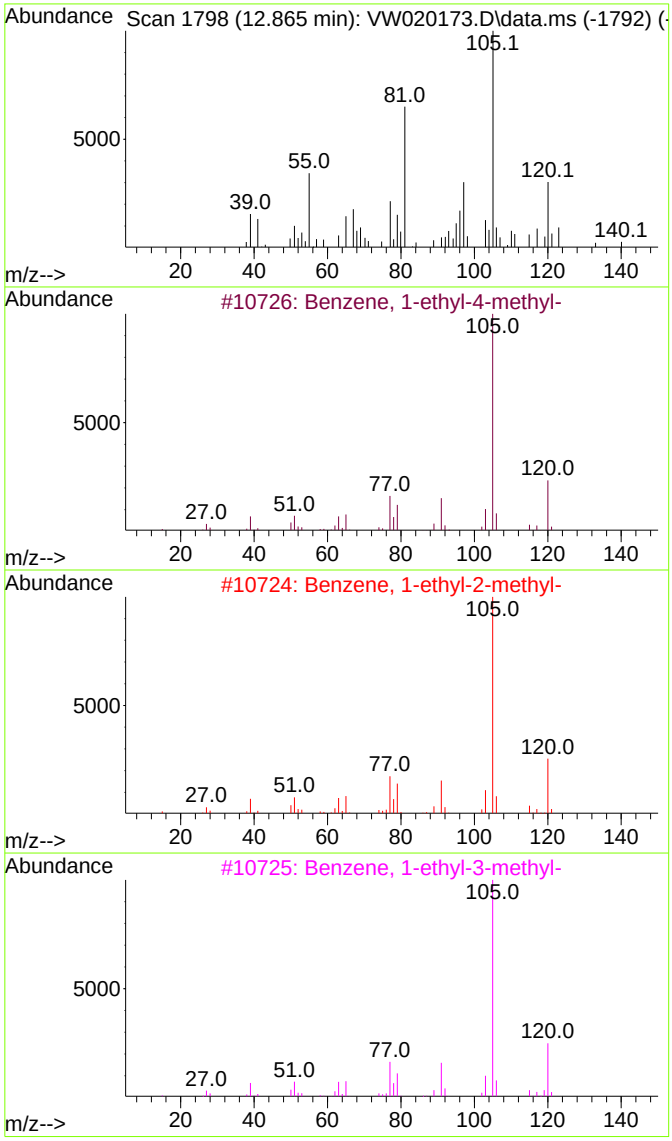
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

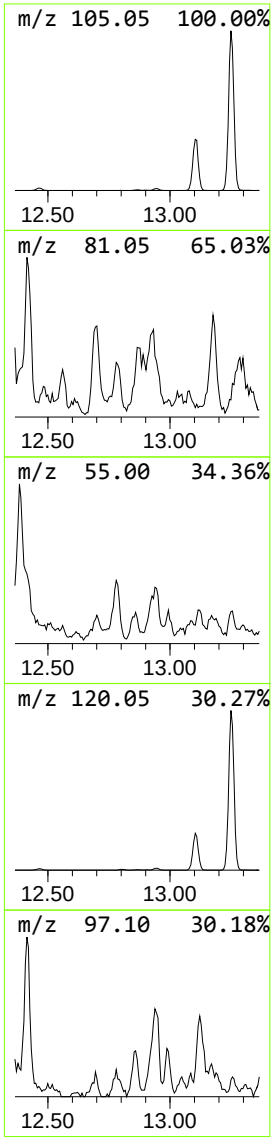
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-ethyl-4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	1.73 ug/L	28172	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	53
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	53
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	49
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

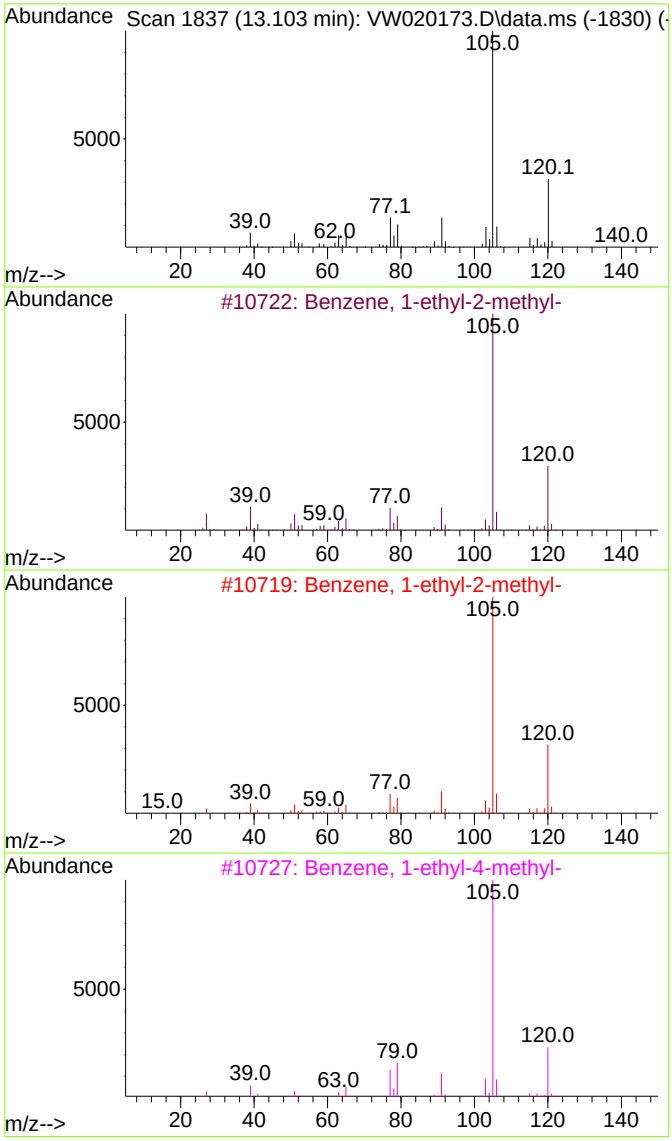
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

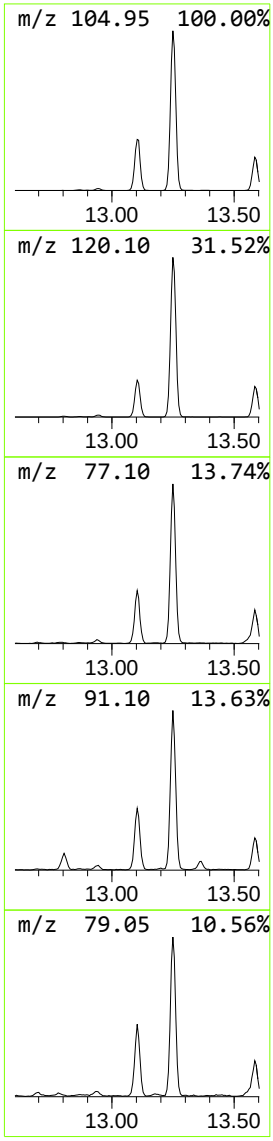
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	48.28 ug/L	784133	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-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

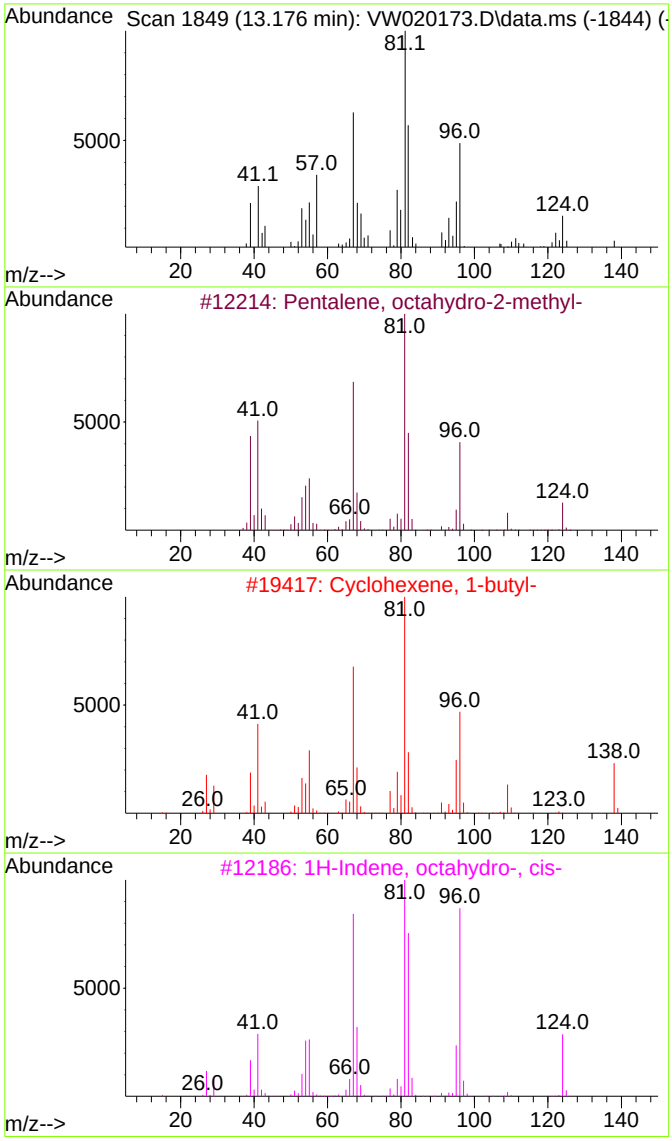
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

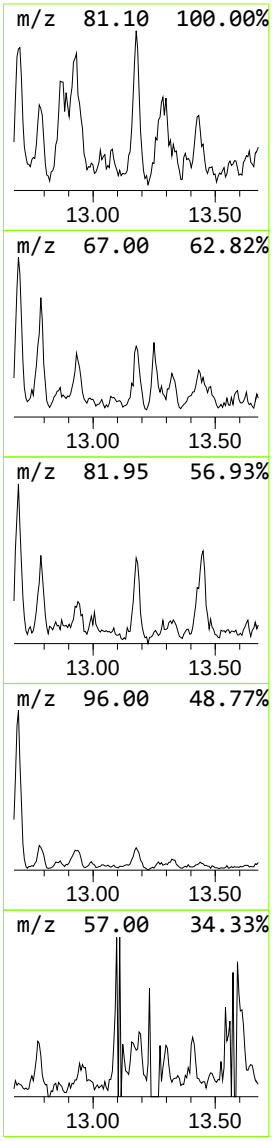
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Pentalene, octahydro-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.176	1.89 ug/L	30657	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	87
2	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	74
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	60
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

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

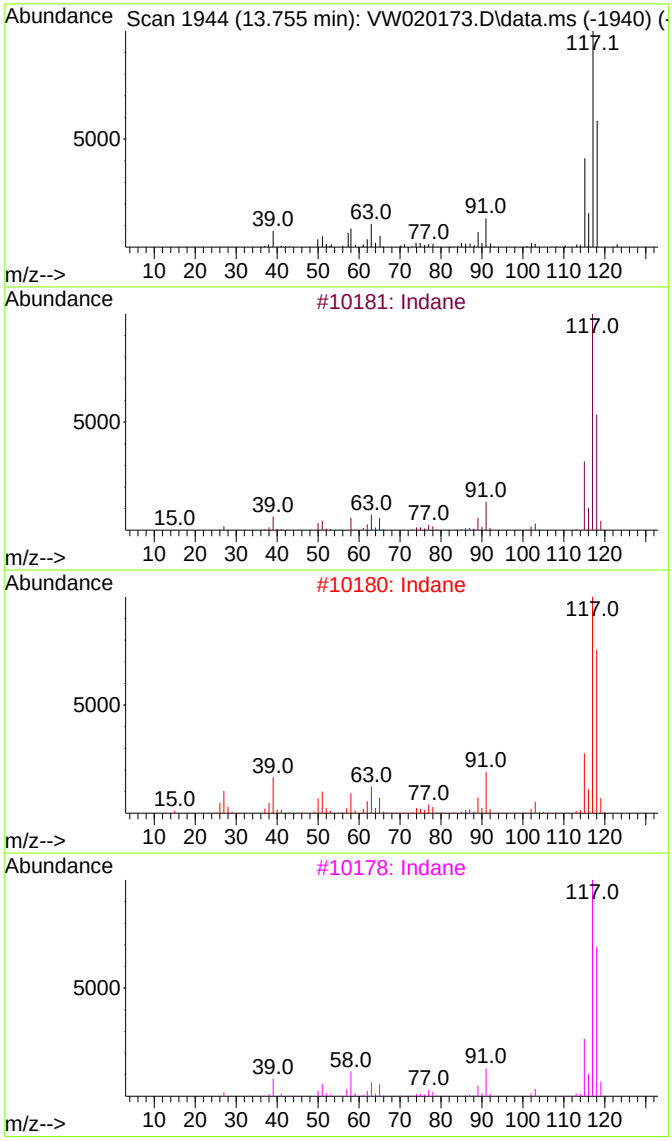
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

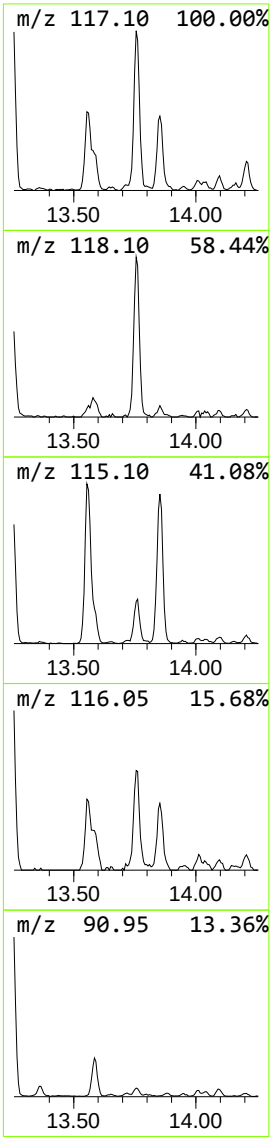
****

Peak Number 27 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	4.79 ug/L	77833	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	70
4	Indane	118	C9H10	000496-11-7	68
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

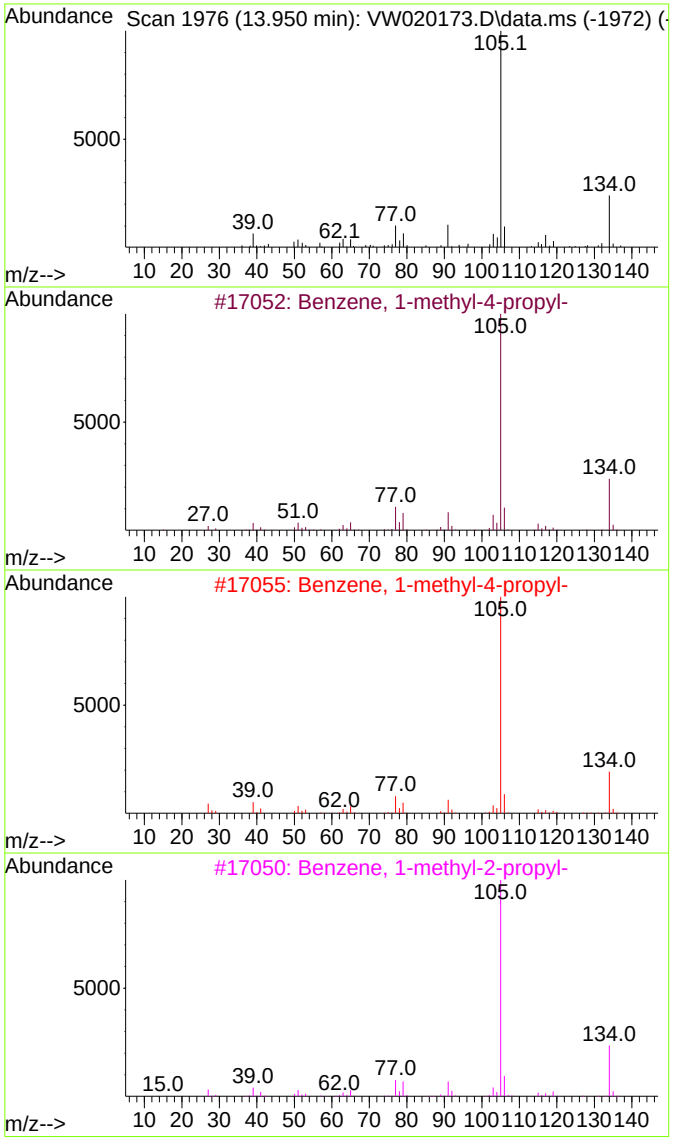
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

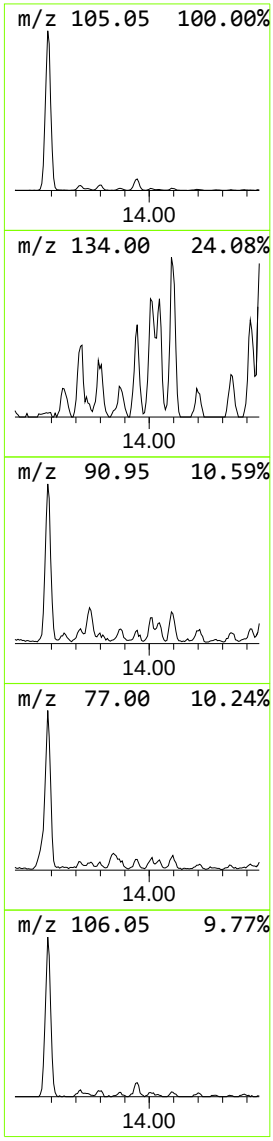
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.950	1.62 ug/L	26296	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	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

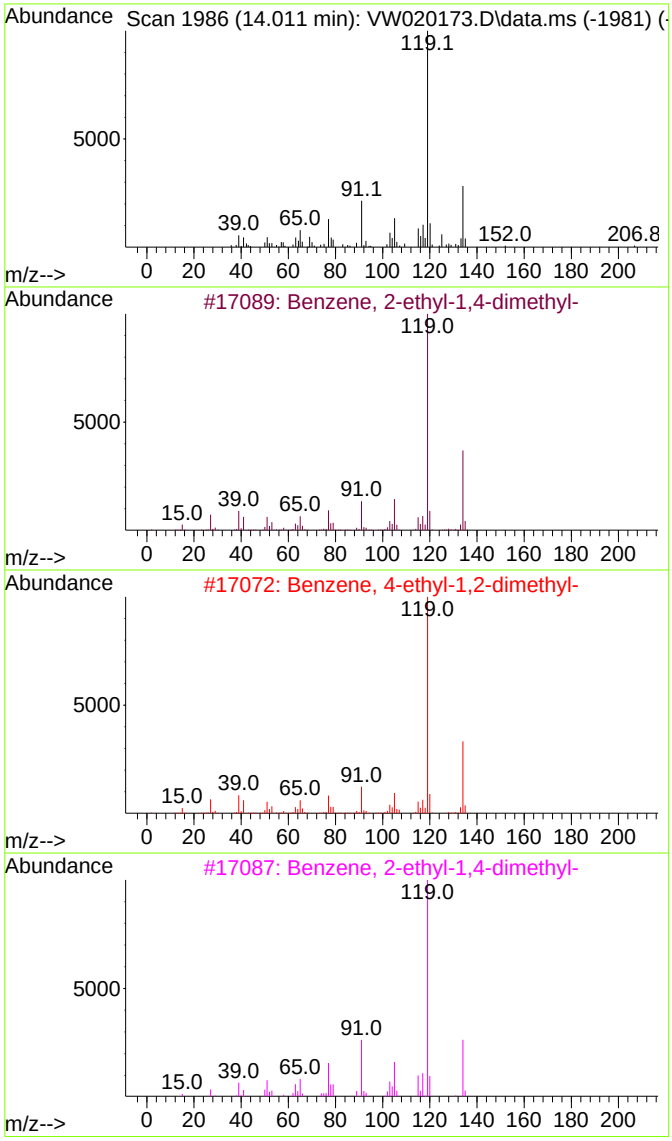
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

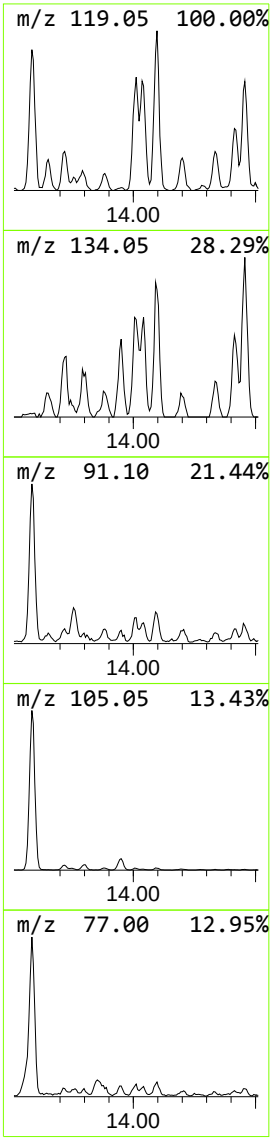
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	2.65 ug/L	43116	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

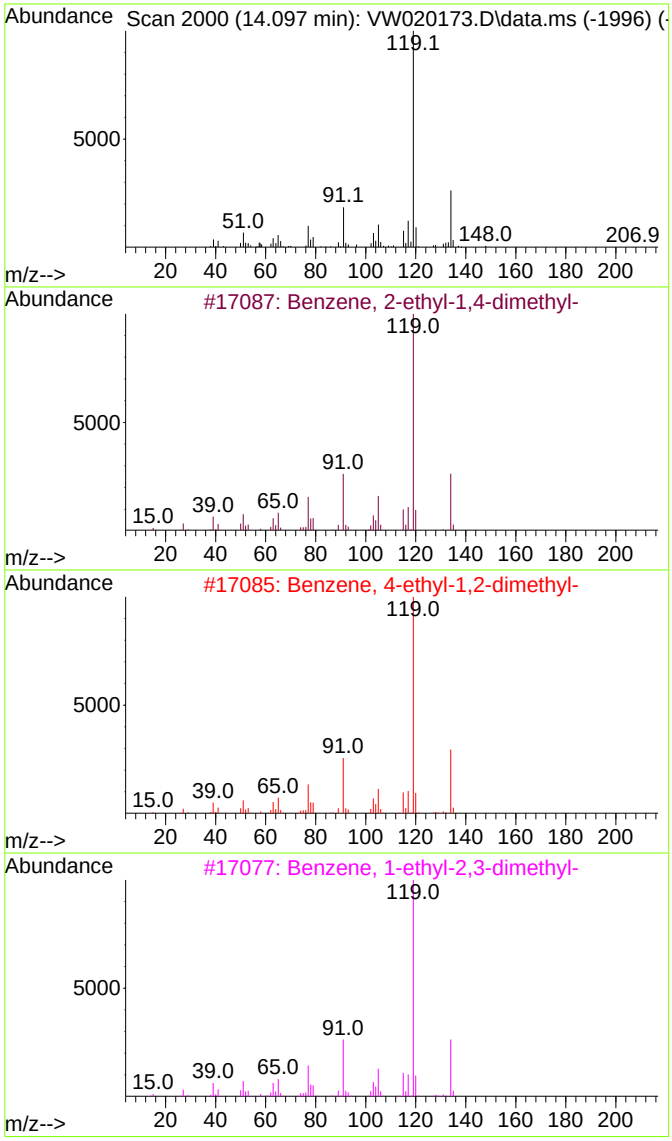
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

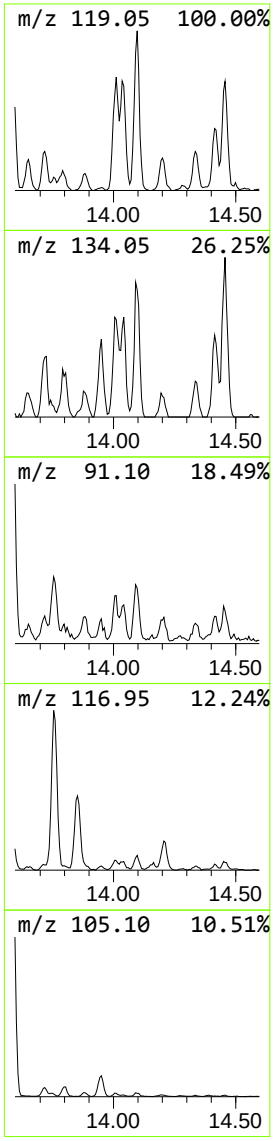
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	3.93 ug/L	63784	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

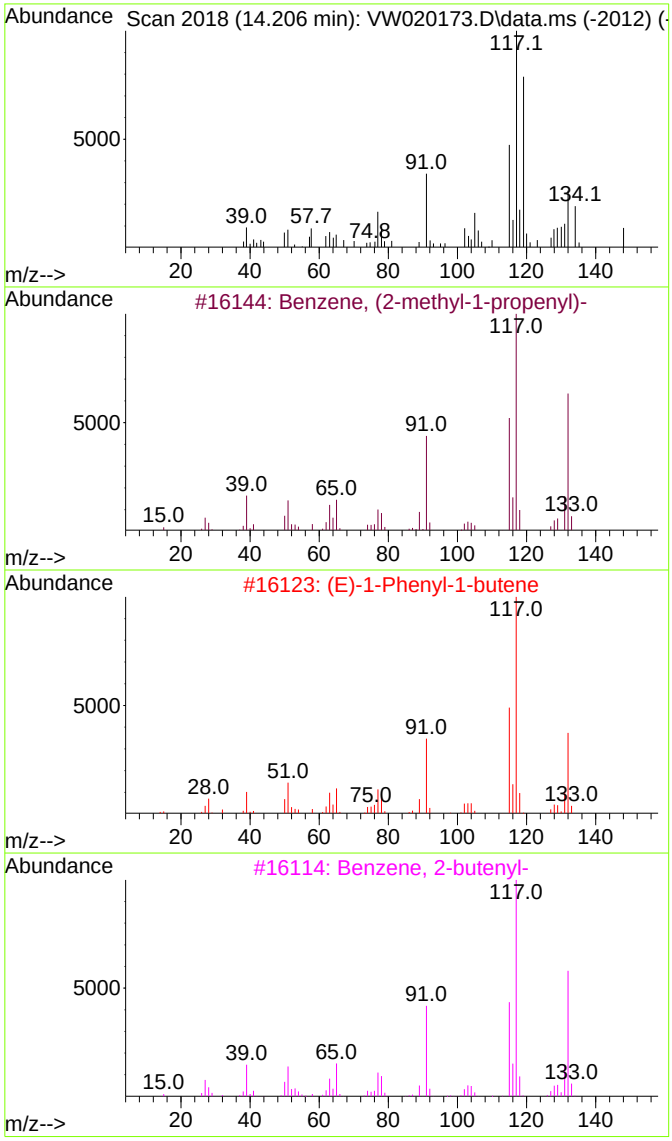
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

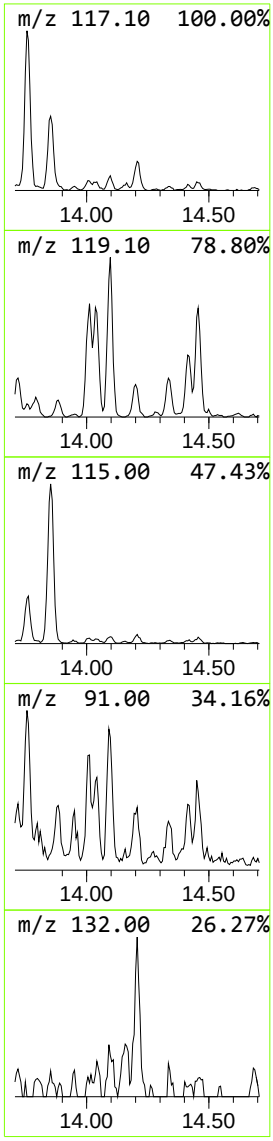
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, (2-methyl-1-propen... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	1.76 ug/L	28544	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	49
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	49
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

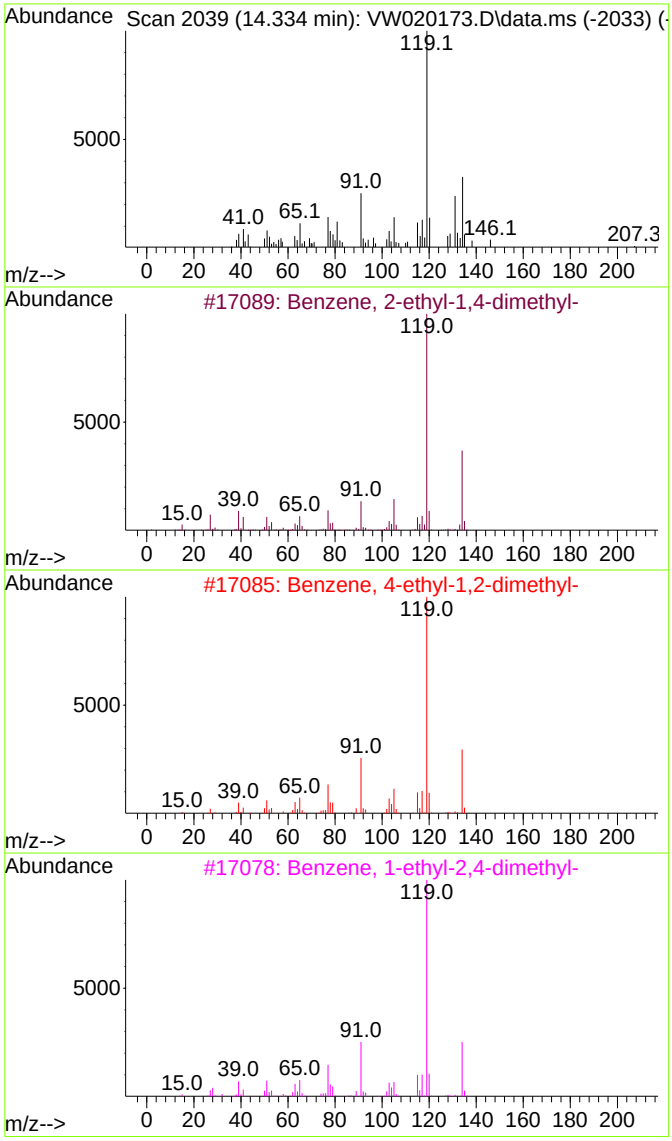
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

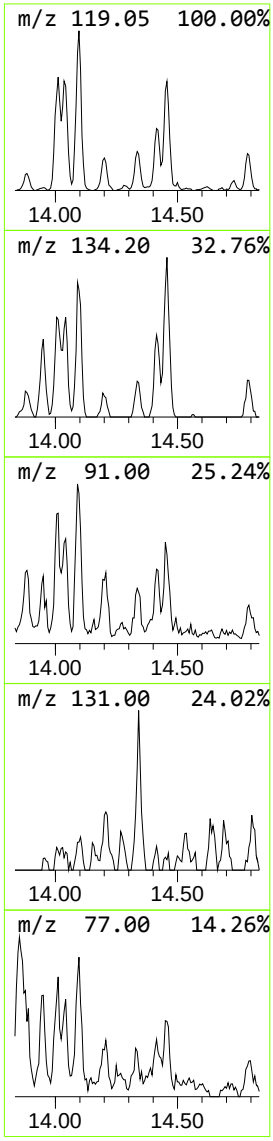
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	1.37 ug/L	22239	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	89
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	89





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

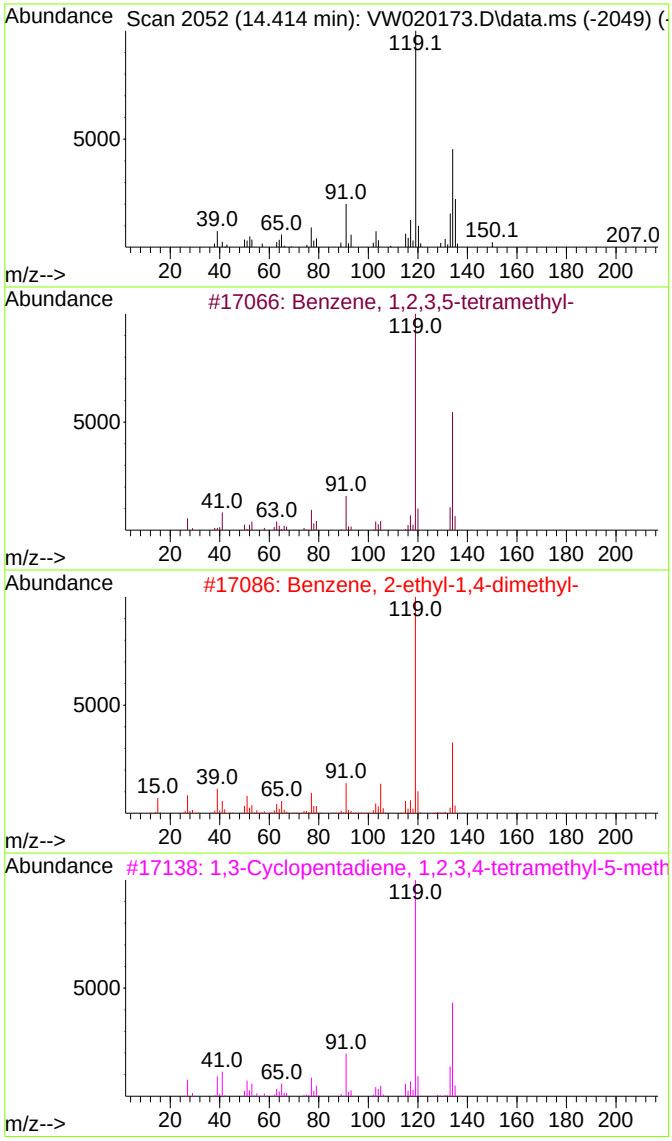
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

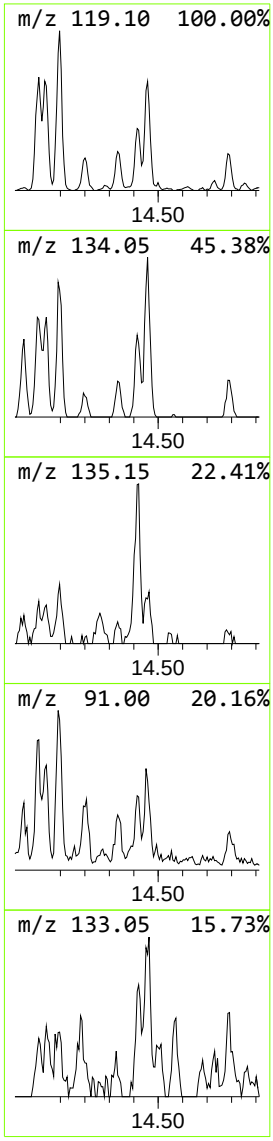
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	1.61 ug/L	26129	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

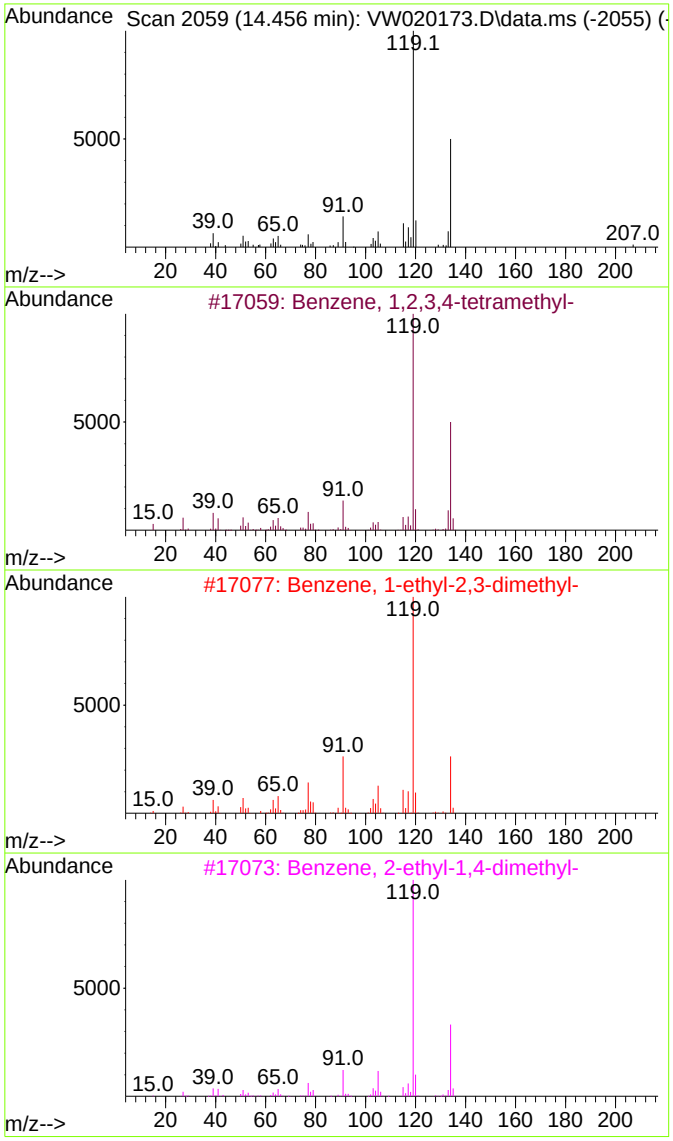
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

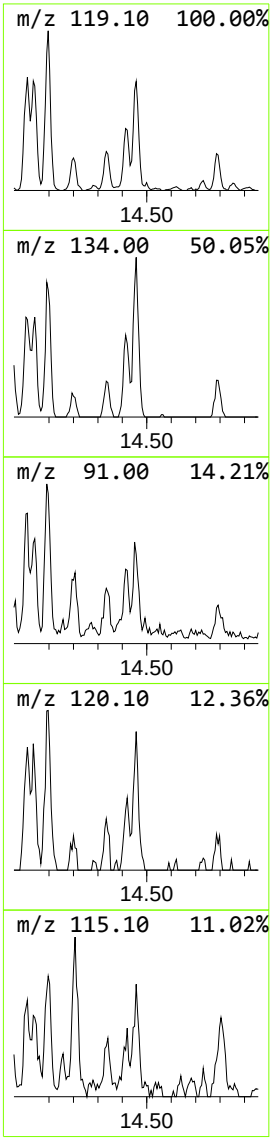
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	2.32 ug/L	37713	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T7

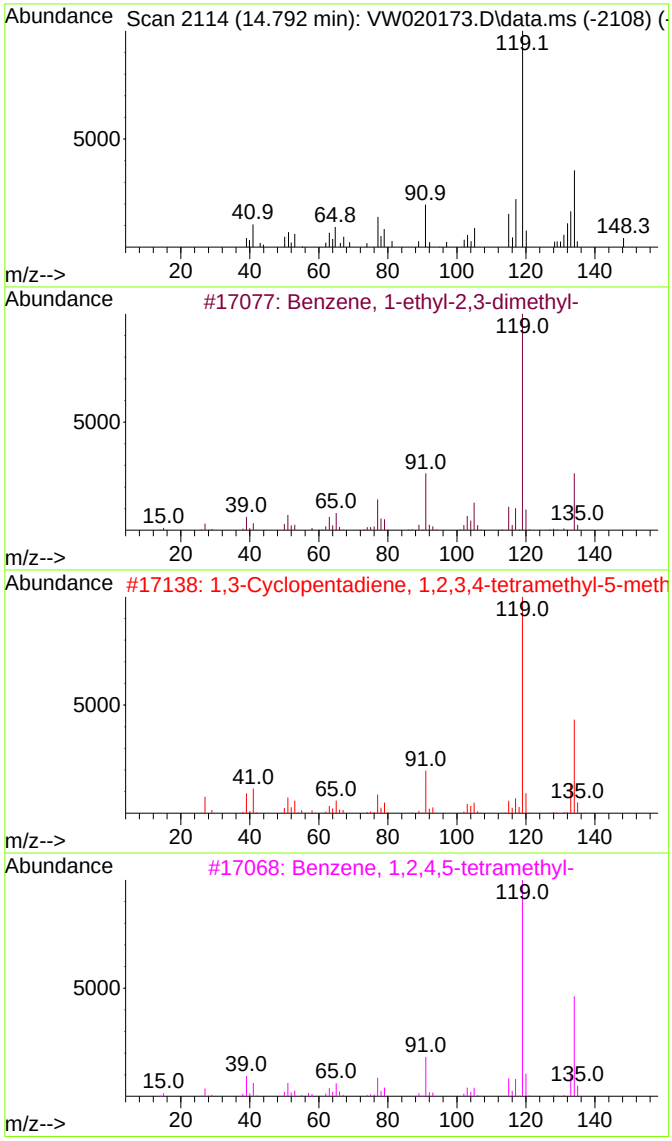
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

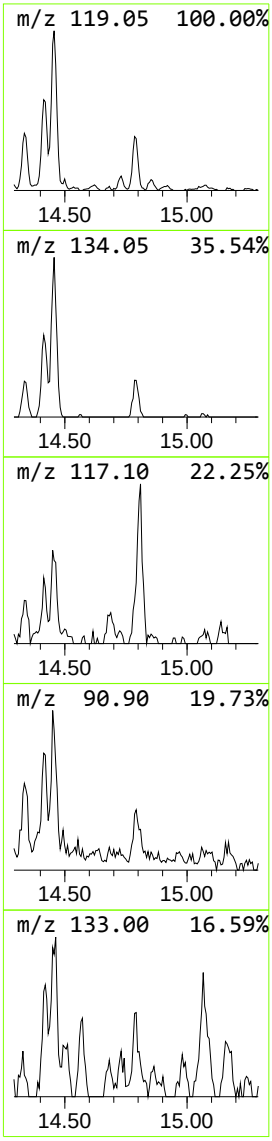
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	1.52 ug/L	24748	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	68
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	62
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
Data File : VW020173.D
Acq On : 24 Sep 2021 03:23
Operator : SY/VA
Sample : M3874-13
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T7

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: C...	9.610	3.1	ug/L	92487	1	8.848	735768	25.0
(DEL) Alkane: C...	9.750	4.0	ug/L	118530	1	8.848	735768	25.0
(DEL) Alkane: S...	9.902	2.0	ug/L	57270	1	8.848	735768	25.0
(DEL) Alkane: C...	10.085	2.8	ug/L	81589	1	8.848	735768	25.0
(DEL) Alkane: S...	10.128	1.9	ug/L	57090	1	8.848	735768	25.0
(DEL) Alkane: C...	10.451	2.0	ug/L	62267	2	11.634	766525	25.0
(DEL) Alkane: C...	10.500	13.8	ug/L	423078	2	11.634	766525	25.0
(DEL) Alkane: C...	10.664	22.8	ug/L	700084	2	11.634	766525	25.0
(DEL) Alkane: C...	10.762	11.6	ug/L	356759	2	11.634	766525	25.0
unknown-01	10.847	2.8	ug/L	85457	2	11.634	766525	25.0
(DEL) Alkane: S...	11.036	4.2	ug/L	129464	2	11.634	766525	25.0
(DEL) Alkane: C...	11.109	4.6	ug/L	142181	2	11.634	766525	25.0
(DEL) Alkane: C...	11.176	33.0	ug/L	1013390	2	11.634	766525	25.0
(DEL) Alkane: C...	11.231	21.0	ug/L	642776	2	11.634	766525	25.0
(DEL) Alkane: C...	11.286	2.8	ug/L	86052	2	11.634	766525	25.0
E-11,13-Tetrade...	11.335	6.3	ug/L	192802	2	11.634	766525	25.0
(DEL) Alkane: C...	11.439	10.2	ug/L	313907	2	11.634	766525	25.0
Cyclohexene,3-p...	12.042	4.0	ug/L	122991	2	11.634	766525	25.0
(DEL) Alkane: C...	12.298	1.3	ug/L	38677	2	11.634	766525	25.0
(DEL) Alkane: S...	12.341	5.6	ug/L	172222	2	11.634	766525	25.0
(DEL) Alkane: S...	12.780	4.6	ug/L	74532	3	13.560	406049	25.0
Benzene, 1-ethy...	12.865	1.7	ug/L	28172	3	13.560	406049	25.0
Benzene, 1-ethy...	13.103	48.3	ug/L	784133	3	13.560	406049	25.0
Pentalene, octa...	13.176	1.9	ug/L	30657	3	13.560	406049	25.0
Indane	13.755	4.8	ug/L	77833	3	13.560	406049	25.0
Benzene, 1-meth...	13.950	1.6	ug/L	26296	3	13.560	406049	25.0
Benzene, 2-ethy...	14.011	2.6	ug/L	43116	3	13.560	406049	25.0
Benzene, 4-ethy...	14.097	3.9	ug/L	63784	3	13.560	406049	25.0
Benzene, (2-met...	14.206	1.8	ug/L	28544	3	13.560	406049	25.0
Benzene, 1-ethy...	14.334	1.4	ug/L	22239	3	13.560	406049	25.0
Benzene, 1,2,3,...	14.414	1.6	ug/L	26129	3	13.560	406049	25.0
Benzene, 1,2,3,...	14.456	2.3	ug/L	37713	3	13.560	406049	25.0
Benzene, 1-ethy...	14.792	1.5	ug/L	24748	3	13.560	406049	25.0