LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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: VW020273.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	68	74	89	rVB	18057	36345	2.65%	0.185%
2	2.904	156	164	171	rVV	6982	13320	0.97%	0.068%
3	3.050	184	188	192	rVV5	780	1436	0.10%	0.007%
4	3.416	240	248	249	rBV3	1765	3037	0.22%	0.015%
5	4.037	341	350	360	rVB2	17245	46683	3.40%	0.238%
6	4.903	483	492	493	rBV3	1531	2059	0.15%	0.010%
7	4.934	493	497	498	rBV4	1055	1518	0.11%	0.008%
8	4.976	498	504	508	rBV6	3832	9357	0.68%	0.048%
9	5.458	572	583	595	rVB3	9165	31471	2.29%	0.160%
10	5.958	653	665	666	rBV2	16279	34803	2.54%	0.177%
11	6.287	715	719	720	rBV3	891	965	0.07%	0.005%
12	6.531	750	759	762	rBV2	661	1211	0.09%	0.006%
13	6.726	784	791	799	rBV5	1479	3958	0.29%	0.020%
14	6.885	809	817	825	rBV6	1922	5679	0.41%	0.029%
15	6.994	825	835	847	rBV2	19921	62156	4.53%	0.317%
16	7.653	932	943	949	rBV3	10218	29235	2.13%	0.149%
17	7.958	979	993	1000	rBV5	35249	145109	10.58%	0.739%
18	8.037	1001	1006	1018	rVB2	17388	46373	3.38%	0.236%
19	8.165	1018	1027	1033	rBV	50046	116140	8.47%	0.591%
20	8.226	1033	1037	1041	rVB4	6109	10143	0.74%	0.052%
21	8.281	1041	1046	1050	rBV2	12759	25161	1.83%	0.128%
22	8.439	1063	1072	1078	rBV4	36811	102434	7.47%	0.522%
23	8.512	1079	1084	1089	rVV2	31289	72684	5.30%	0.370%
24	8.579	1089	1095	1104	rVB2	64441	145032	10.58%	0.739%
25	8.701	1104	1115	1125	rVB	77583	157337	11.47%	0.801%
26	8.848	1128	1139	1145	rBV2	41113	94960	6.92%	0.484%
27	9.000	1159	1164	1170	rVB5	1892	3761	0.27%	0.019%
28	9.073	1170	1176	1177	rBV3	3779	5693	0.42%	0.029%
29	9.122	1179	1184	1194	rVB3	8820	21199	1.55%	0.108%
30	9.341	1203	1220	1236	rBV	359635	834465	60.85%	4.250%
31	9.469	1236	1241	1242	rBV3	1578	1939	0.14%	0.010%
32	9.524	1243	1250	1255	rBV	40811	74897	5.46%	0.381%
33	9.610	1255	1264	1271	rVB	55934	118981	8.68%	0.606%
34	9.689	1271	1277	1279	rBV5	7187	14776	1.08%	0.075%
35	9.756	1282	1288	1297	rVB2	84221	168689	12.30%	0.859%
36	9.860	1299	1305	1307	rBV2	11549	20708	1.51%	0.105%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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	9.896	1307	1311	1316	rBV2	29238	47206	3.44%	0.240%
38	9.963	1316	1322	1327	rBV	130442	261047	19.04%	1.329%
39	10.097	1336	1344	1355	rVB2	105997	255188	18.61%	1.300%
40	10.207	1355	1362	1366	rBV2	36888	74373	5.42%	0.379%
41	10.238	1366	1367	1374	rVB3	22721	32863	2.40%	0.167%
42	10.323	1374	1381	1385	rBV	213658	405758	29.59%	2.066%
43	10.360	1385	1387	1394	rVB	102485	150242	10.96%	0.765%
44	10.451	1397	1402	1404	rBV	31788	50469	3.68%	0.257%
45	10.506	1404	1411	1418	rVB5	141116	344543	25.13%	1.755%
46	10.573	1418	1422	1425	rBV3	8633	14050	1.02%	0.072%
47	10.622	1425	1430	1433	rBV3	29672	47223	3.44%	0.240%
48	10.670	1433	1438	1445	rVB	124120	240983	17.57%	1.227%
49	10.762	1445	1453	1459	rBV4	123140	325182	23.71%	1.656%
50	10.847	1463	1467	1472	rVB4	49128	86802	6.33%	0.442%
51	10.939	1472	1482	1487	rBV	156598	287377	20.96%	1.464%
52	11.036	1487	1498	1505	rBV7	73126	280294	20.44%	1.427%
53	11.109	1505	1510	1513	rBV2	81400	133830	9.76%	0.682%
54	11.146	1513	1516	1517	rBV2	36848	41612	3.03%	0.212%
55	11.183	1517	1522	1525	rVB	208512	292189	21.31%	1.488%
56	11.231	1525	1530	1535	rVB	356473	603190	43.99%	3.072%
57	11.286	1535	1539	1542	rVB4	52577	72418	5.28%	0.369%
58	11.335	1542	1547	1552	rVB2	152507	255280	18.62%	1.300%
59	11.414	1552	1560	1562	rBV3	175293	359219	26.20%	1.829%
60	11.512	1571	1576	1581	rBV	250412	400007	29.17%	2.037%
61	11.634	1591	1596	1600	rBV2	54900	104715	7.64%	0.533%
62	11.731	1608	1612	1614	rBV3	53938	79864	5.82%	0.407%
63	11.768	1615	1618	1621	rVV	41648	50070	3.65%	0.255%
64	11.804	1621	1624	1628	rBV4	89075	157450	11.48%	0.802%
65	11.878	1633	1636	1639	rVB	103330	135069	9.85%	0.688%
66	11.975	1647	1652	1656	rBV3	38036	67760	4.94%	0.345%
67	12.140	1672	1679	1686	rBV2	210712	478778	34.91%	2.438%
68	12.249	1693	1697	1702	rVB	277124	429874	31.35%	2.189%
69	12.365	1702	1716	1723	rBV6	324168	1371305	100.00%	6.984%
70	12.621	1753	1758	1759	rBV4	57533	83414	6.08%	0.425%
71	12.652	1759	1763	1767	rVV	155550	225658	16.46%	1.149%
72	12.701	1767	1771	1775	rVV4	64130	105001	7.66%	0.535%
73	12.780	1780	1784	1791	rVB4	271355	495986	36.17%	2.526%
74	12.853	1791	1796	1800	rBV4	97153	210314	15.34%	1.071%
75	12.932	1801	1809	1815	rVV4	511211	1245088	90.80%	6.341%
76	12.993	1817	1819	1824	rVB2	162730	160829	11.73%	0.819%

LSC Area Percent Report

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Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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	13.103	1829	1837	1843	rVV3	252201	744525	54.29%	3.792%
78	13.164	1843	1847	1855	rVB2	446597	698566	50.94%	3.558%
79	13.341	1873	1876	1879	rBV2	100882	145619	10.62%	0.742%
80	13.481	1897	1899	1903	rVB	154274	176096	12.84%	0.897%
81	13.548	1908	1910	1914	rVB	162545	195138	14.23%	0.994%
82	13.621	1919	1922	1929	rVB2	170323	234532	17.10%	1.194%
83	13.713	1935	1937	1941	rVB2	151983	146417	10.68%	0.746%
84	13.798	1948	1951	1955	rBV	121594	238049	17.36%	1.212%
85	13.877	1959	1964	1968	rBV2	417542	703726	51.32%	3.584%
86	14.097	1996	2000	2003	rVB	228395	315550	23.01%	1.607%
87	14.206	2011	2018	2023	rBV3	443618	919273	67.04%	4.682%
88	14.261	2025	2027	2033	rVB5	133485	186302	13.59%	0.949%
89	14.383	2044	2047	2051	rVB3	291373	395650	28.85%	2.015%
90	14.493	2062	2065	2069	rVB2	192712	235784	17.19%	1.201%
91	14.548	2069	2074	2080	rBV5	295514	596682	43.51%	3.039%
92	14.688	2094	2097	2101	rBV4	101323	197002	14.37%	1.003%
93	14.798	2111	2115	2117	rBV3	248838	353902	25.81%	1.802%
94	14.920	2132	2135	2139	rBV5	83658	150562	10.98%	0.767%
95	15.785	2275	2277	2278	rBV	11945	8750	0.64%	0.045%
96	16.151	2334	2337	2351	rVB	11465	35019	2.55%	0.178%
97	16.328	2364	2366	2371	rBV6	3441	5262	0.38%	0.027%
98	16.517	2394	2397	2399	rBV4	1524	2225	0.16%	0.011%
99	16.639	2412	2417	2426	rVB4	9404	23639	1.72%	0.120%
100	16.749	2433	2435	2439	rVB3	829	1015	0.07%	0.005%

Sum of corrected areas: 19635519

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
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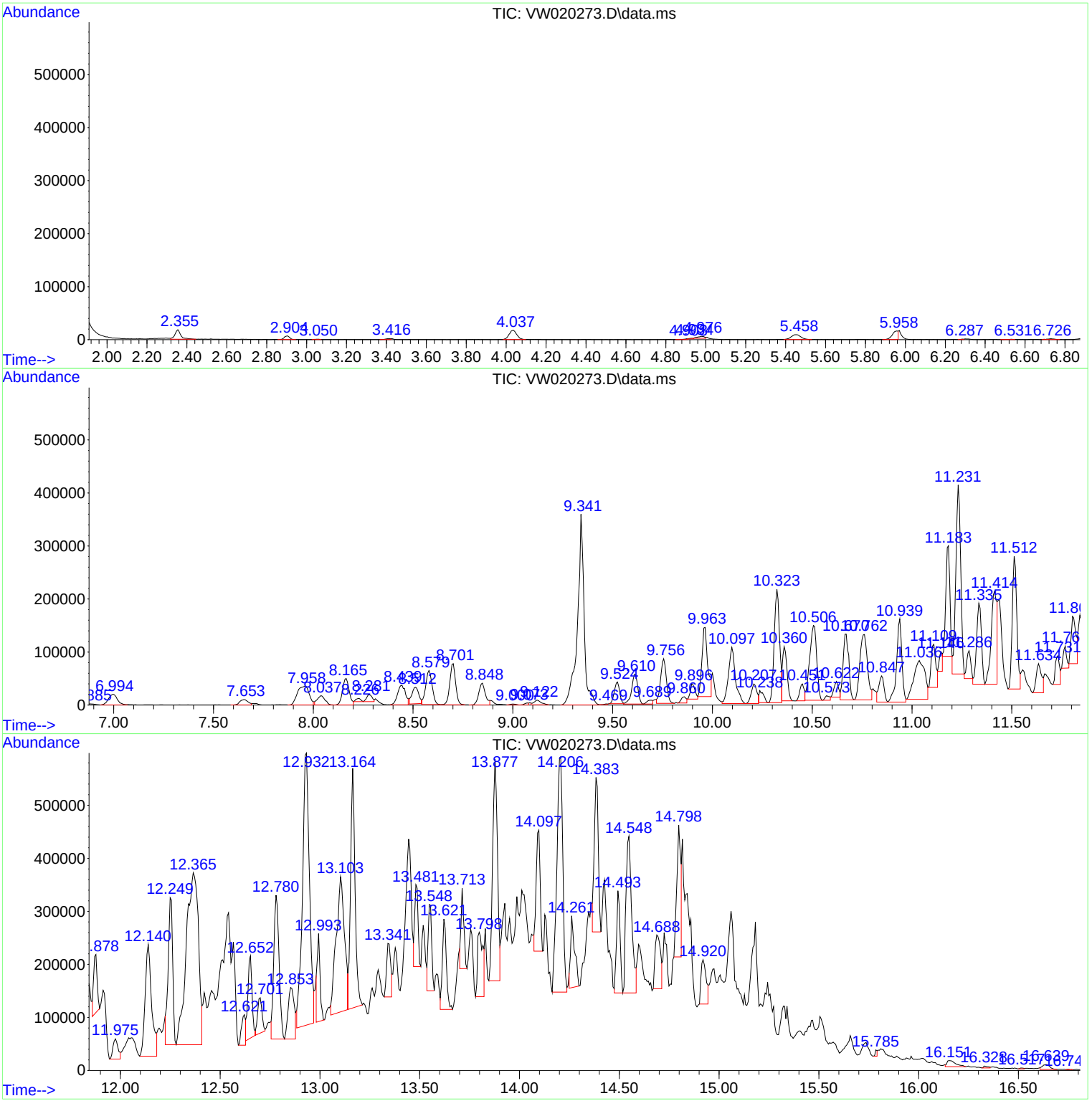
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

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\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

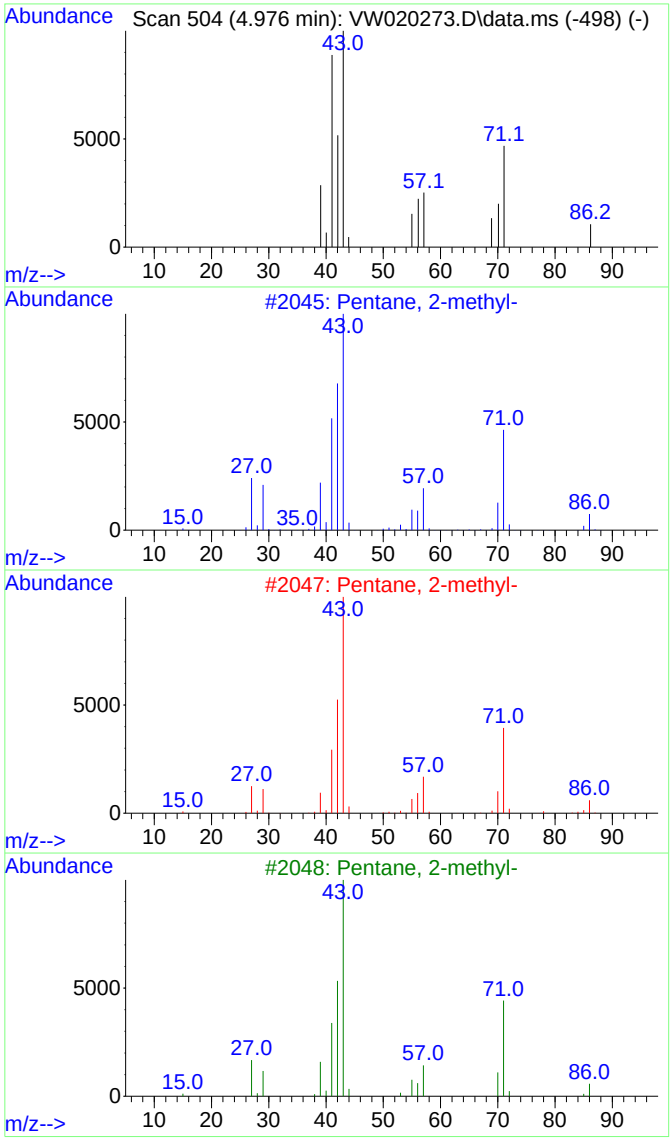
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

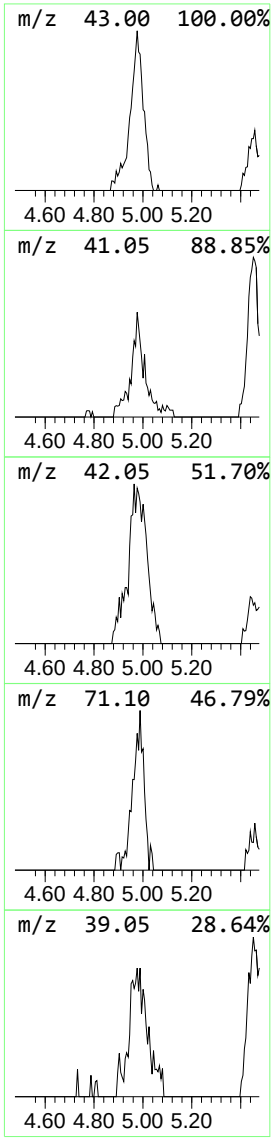
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.976	2.46 ug/L	9357	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	45
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

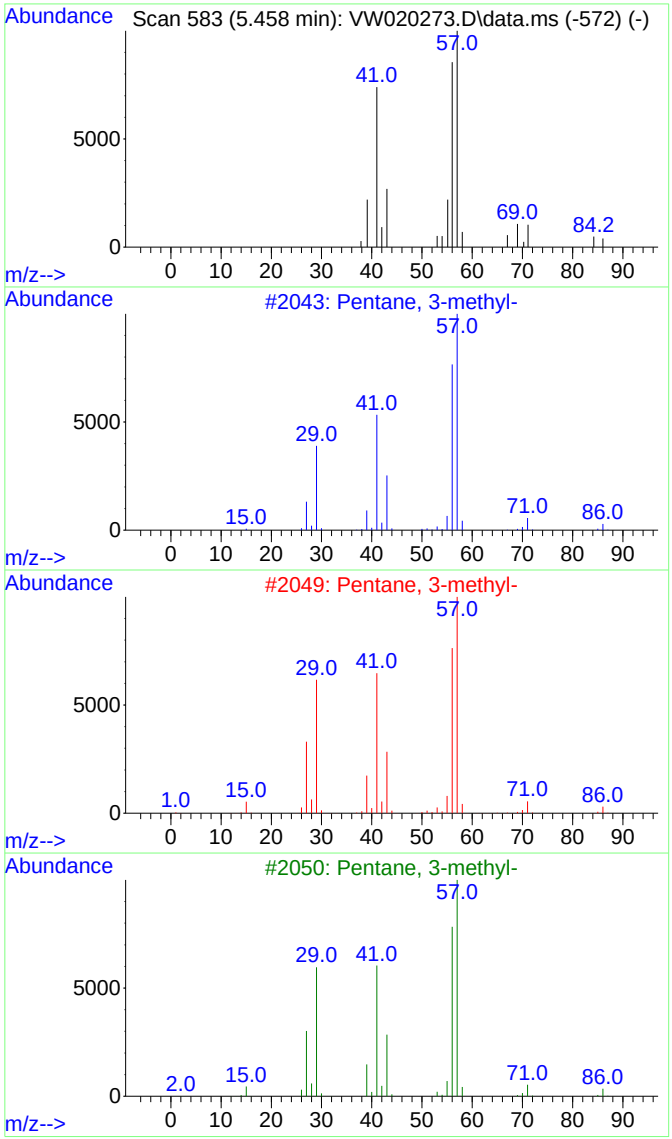
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

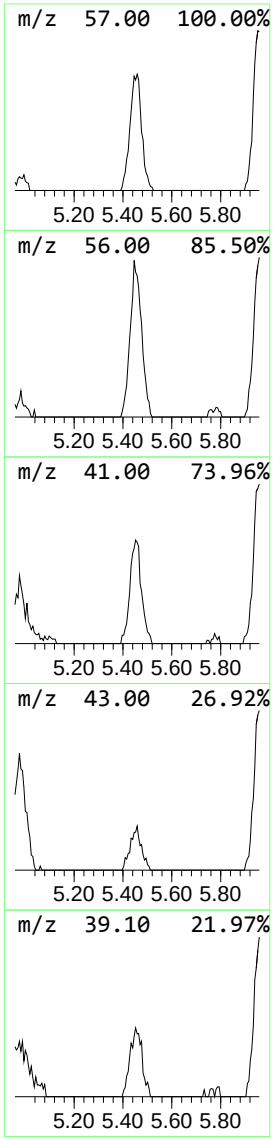
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.458	8.29 ug/L	31471	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56
5	1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

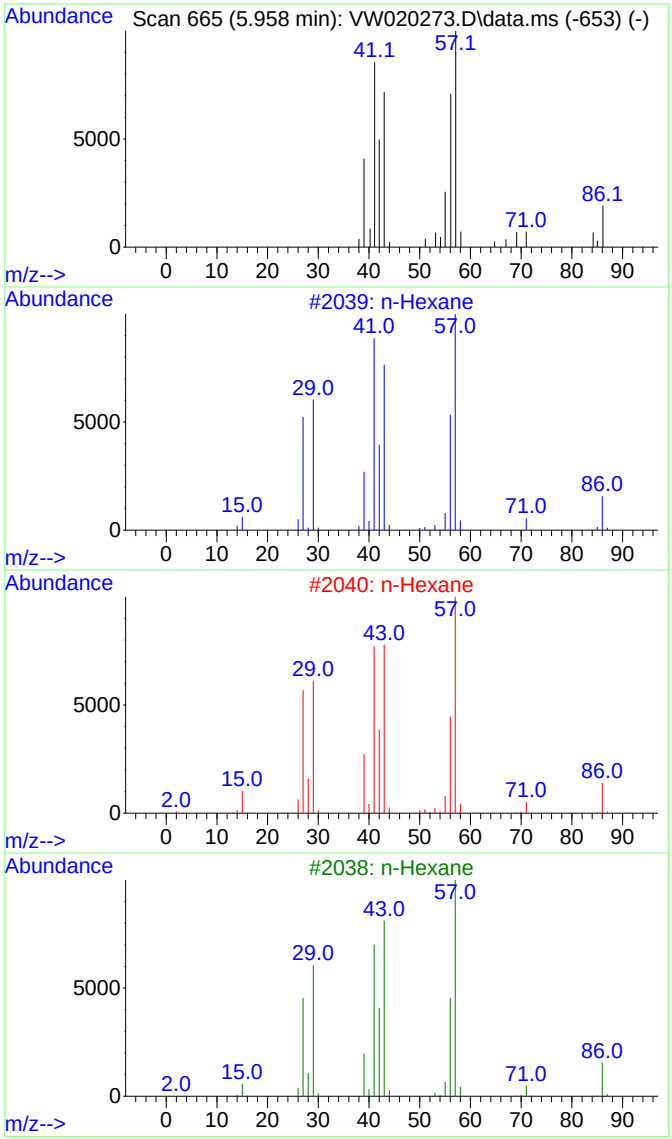
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

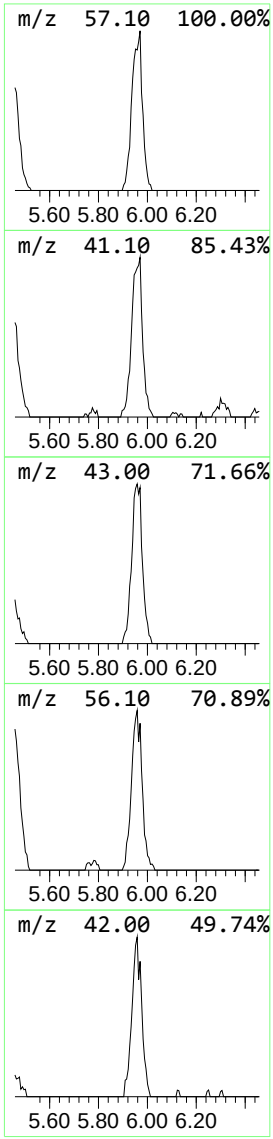
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.958	9.16 ug/L	34803	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	68
2	n-Hexane	86	C6H14	000110-54-3	58
3	n-Hexane	86	C6H14	000110-54-3	58
4	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	50
5	1-Hexene	84	C6H12	000592-41-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

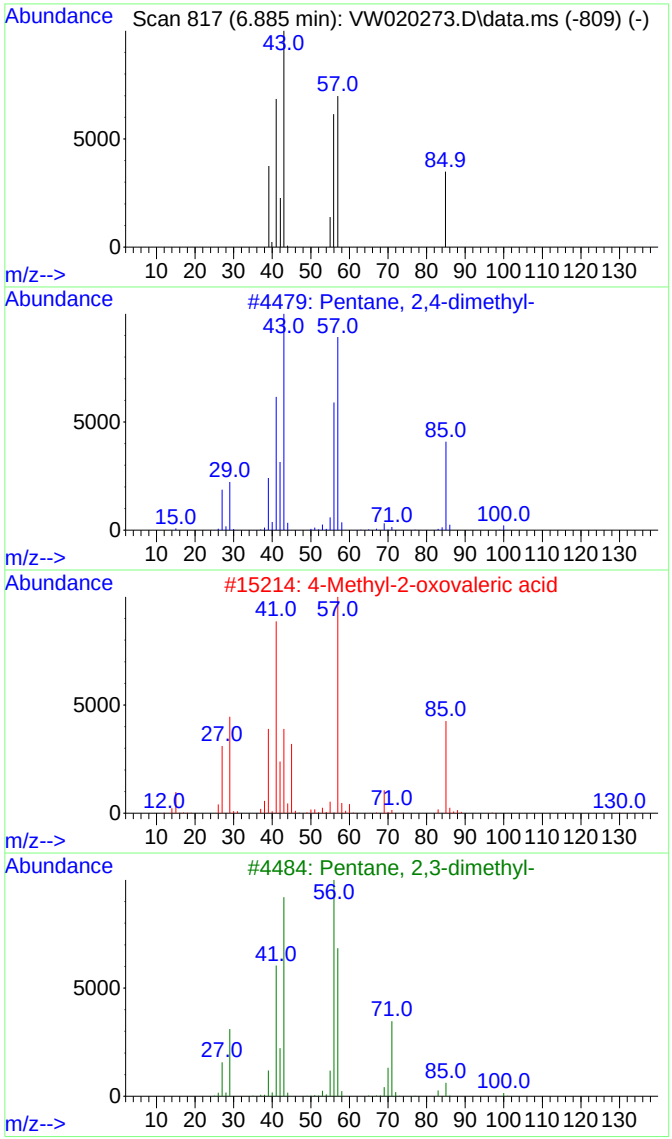
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

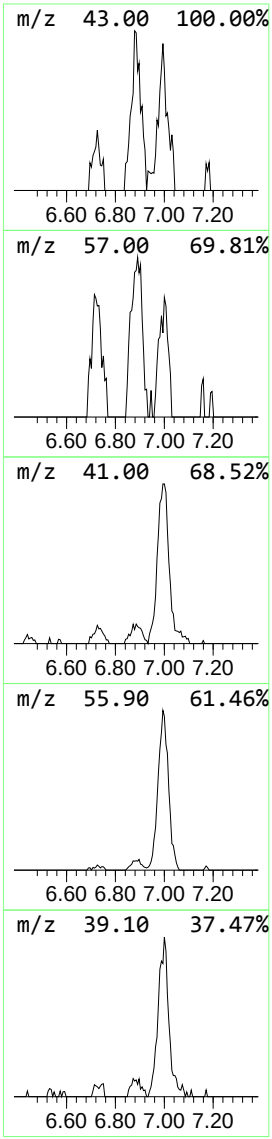
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.885	1.50 ug/L	5679	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
2	4-Methyl-2-oxovaleric acid	130	C6H10O3	000816-66-0	32
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	9
4	Octane	114	C8H18	000111-65-9	9
5	Pentane, 2-chloro-2-methyl-	120	C6H13Cl	004325-48-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

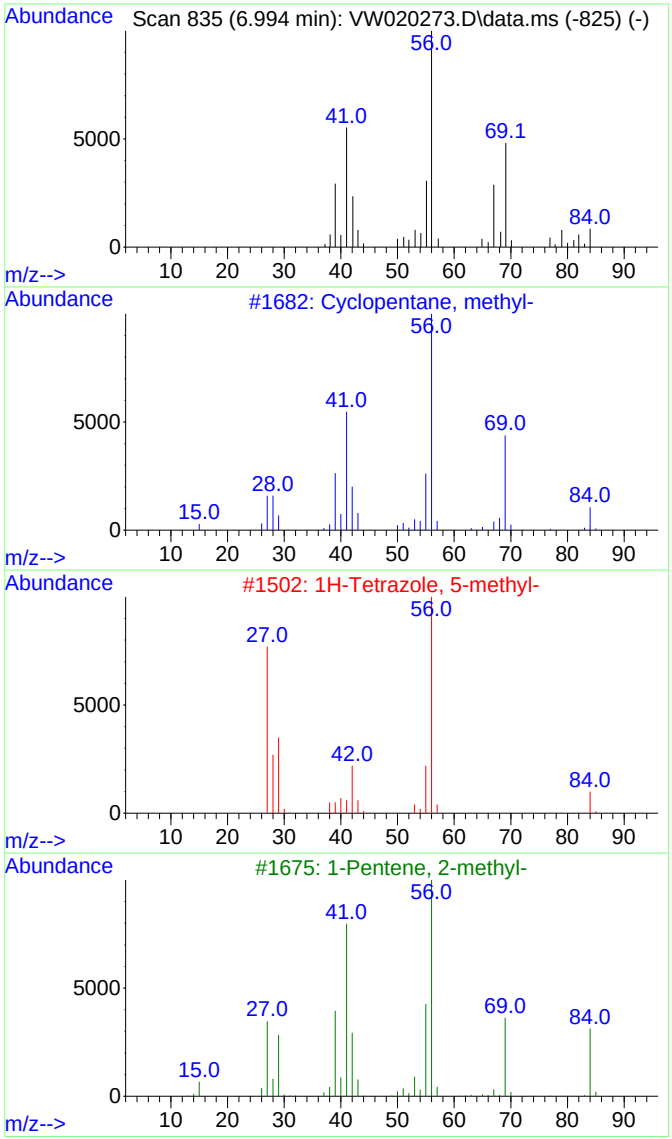
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

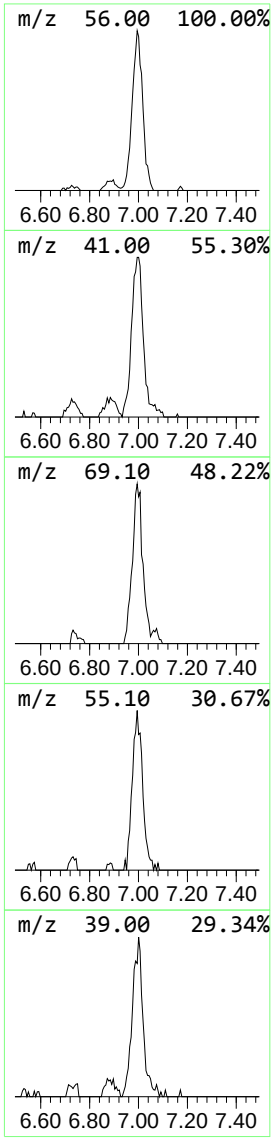
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic6.994 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.994	16.36 ug/L	62156	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	76
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	49
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

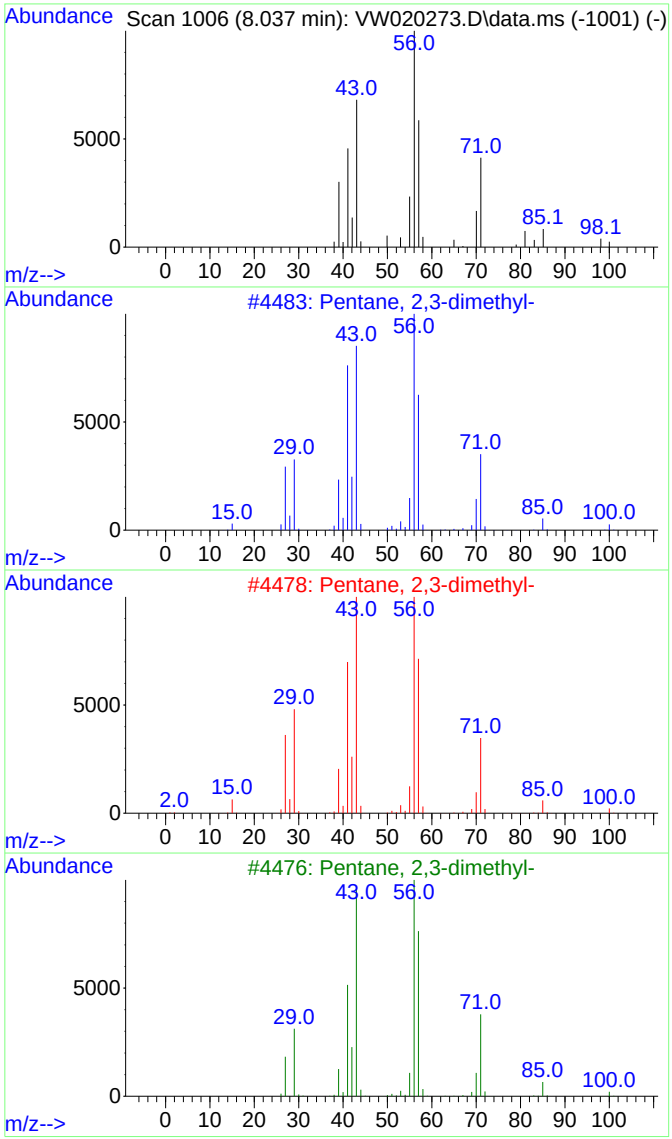
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

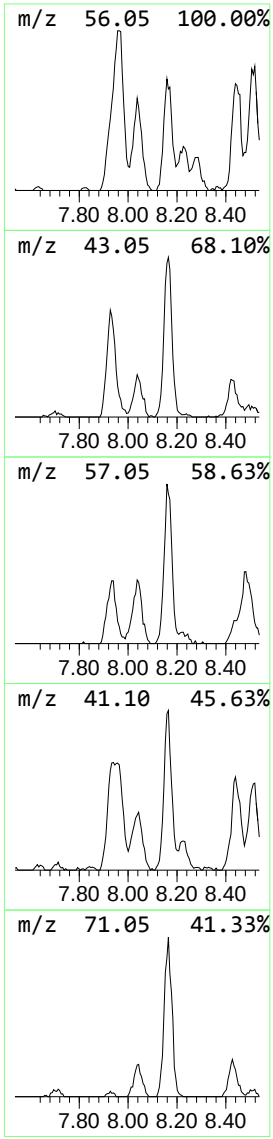
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	12.21 ug/L	46373	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

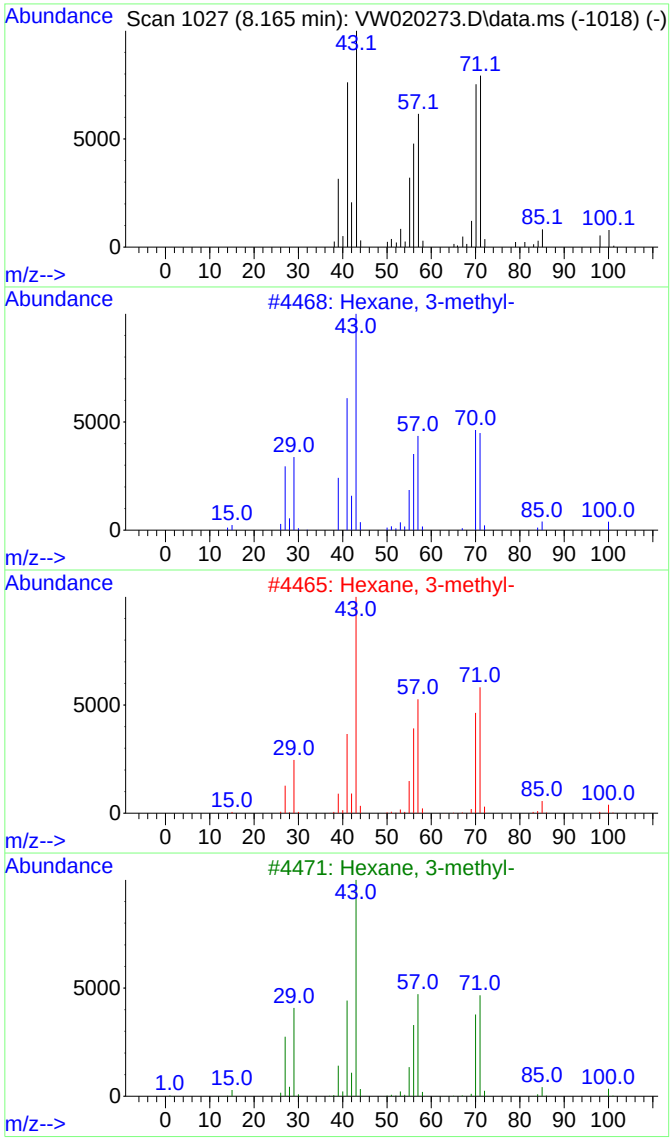
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

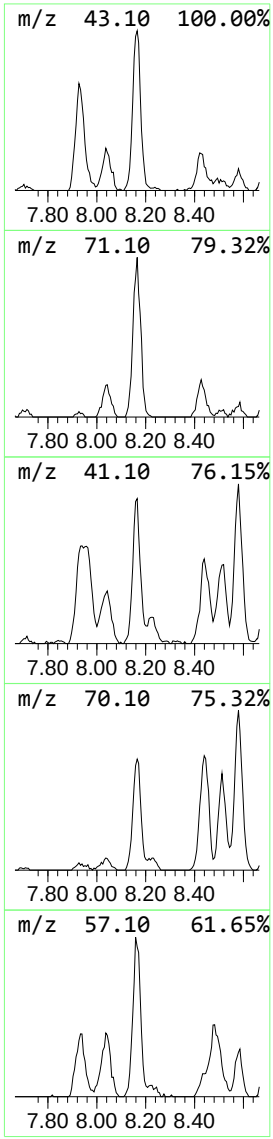
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.165	30.58 ug/L	116140	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
4	Heptane	100	C7H16	000142-82-5	58
5	Heptane	100	C7H16	000142-82-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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

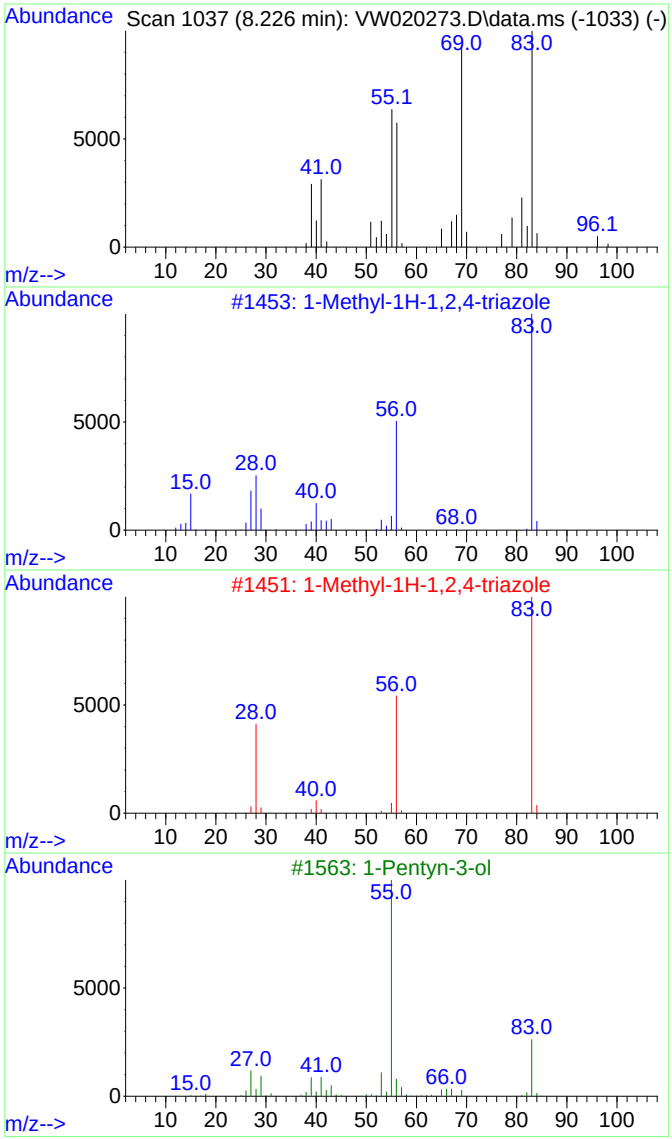
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

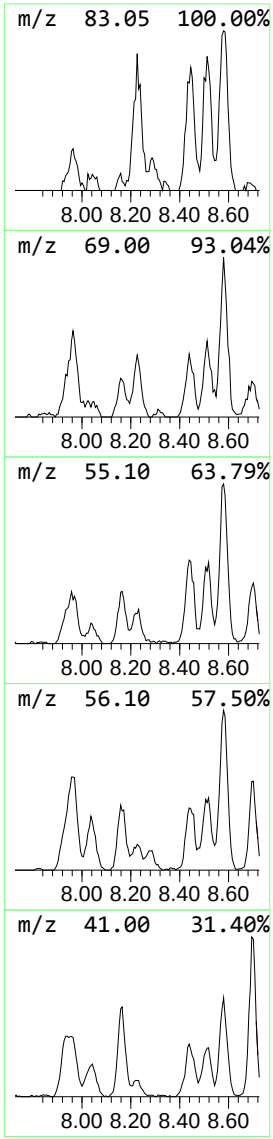
****

Peak Number 8 unknown-01 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.226	2.67 ug/L	10143	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	43
2	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	38
3	1-Pentyn-3-ol	84	C5H8O	004187-86-4	38
4	Oxalic acid, dicyclohexyl ester	254	C14H22O4	1000309-30-9	35
5	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

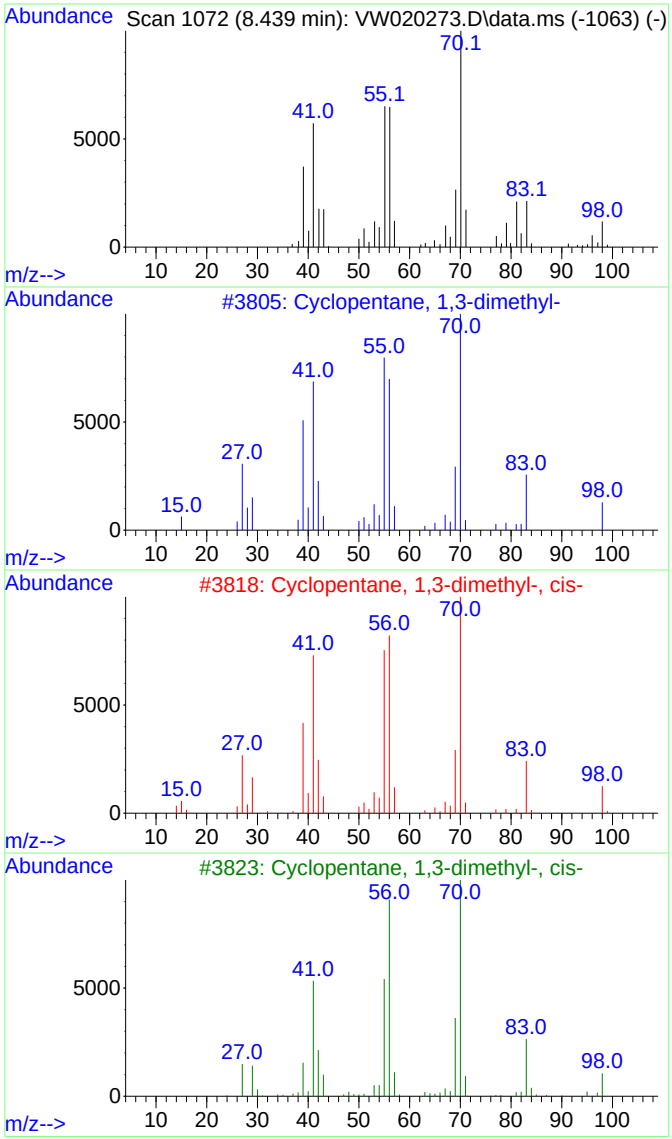
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

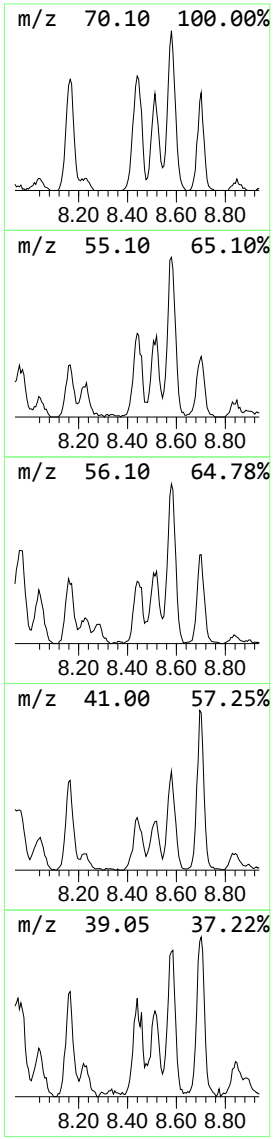
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic8.439 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	26.97 ug/L	102434	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

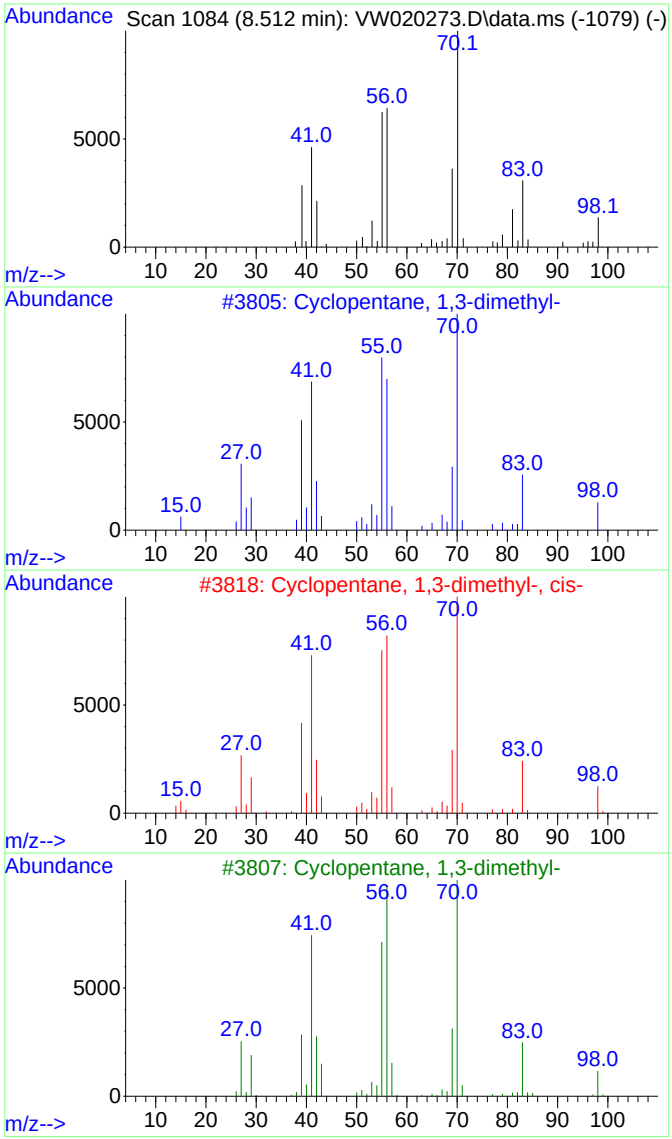
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

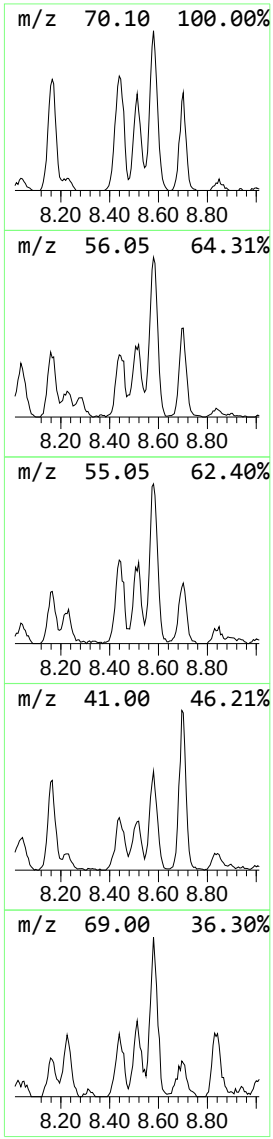
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic8.512 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	19.14 ug/L	72684	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	80
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	58
5	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

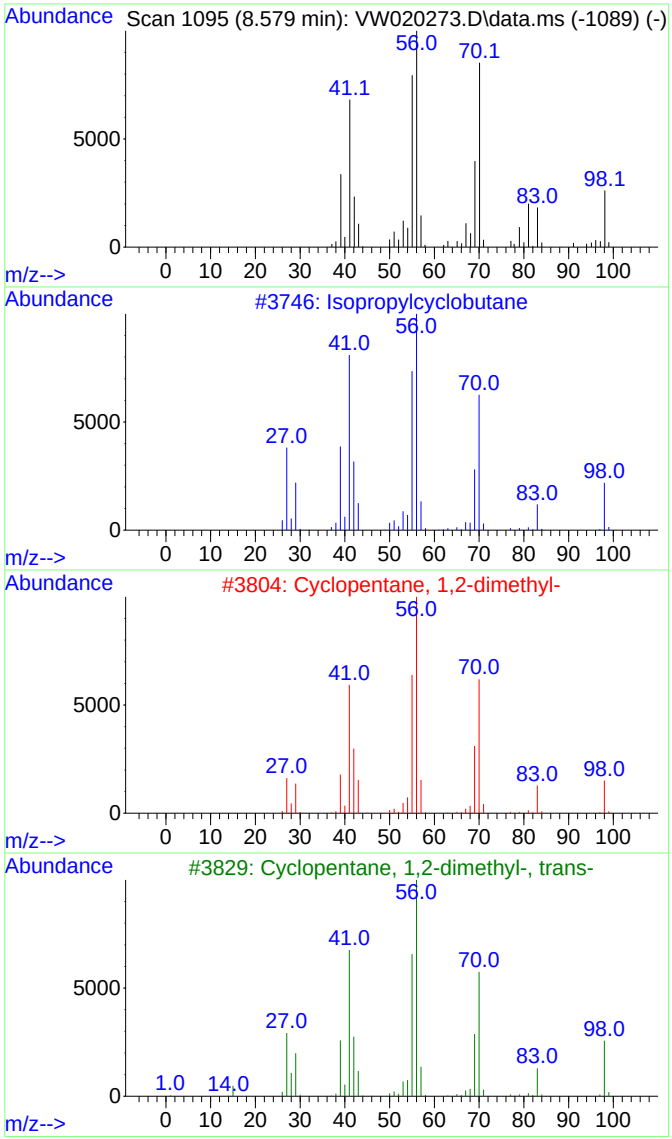
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

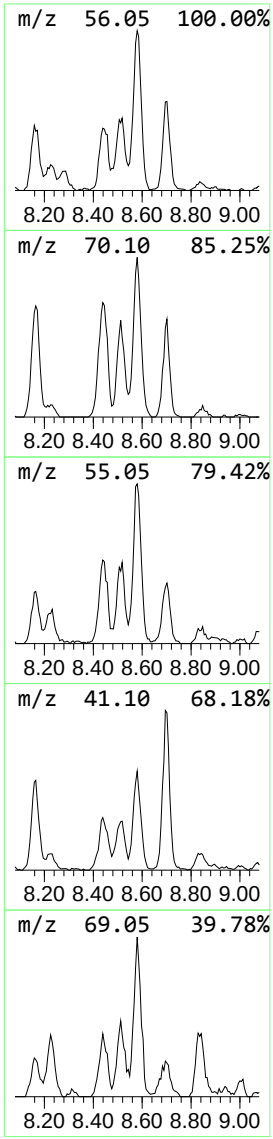
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic8.579 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	38.18 ug/L	145032	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	91
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

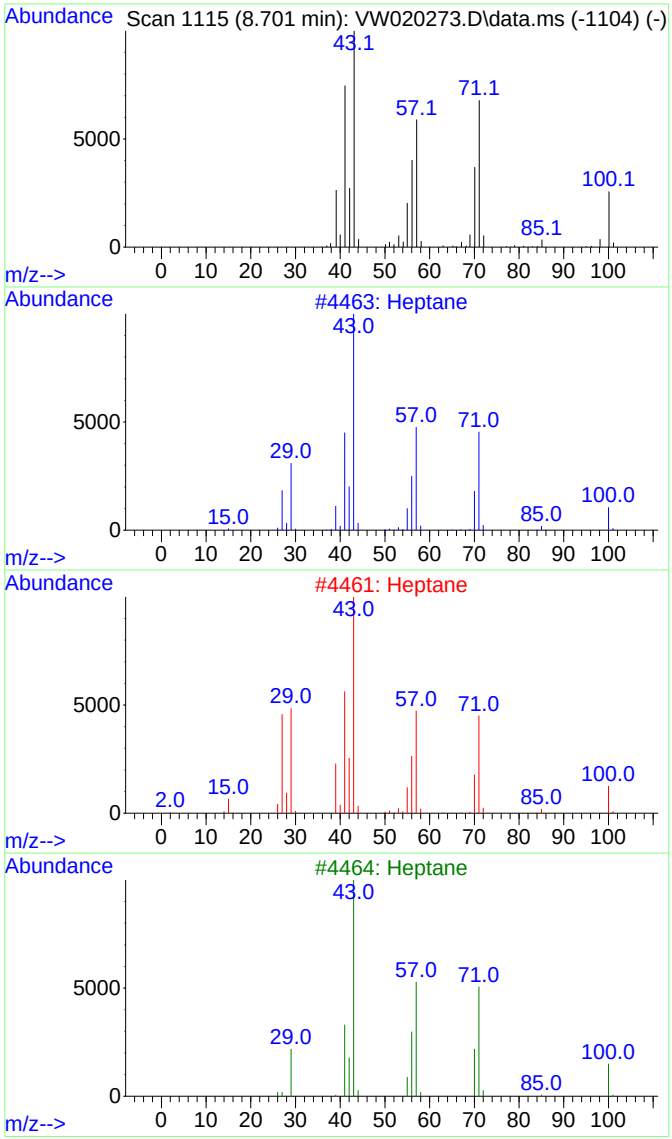
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

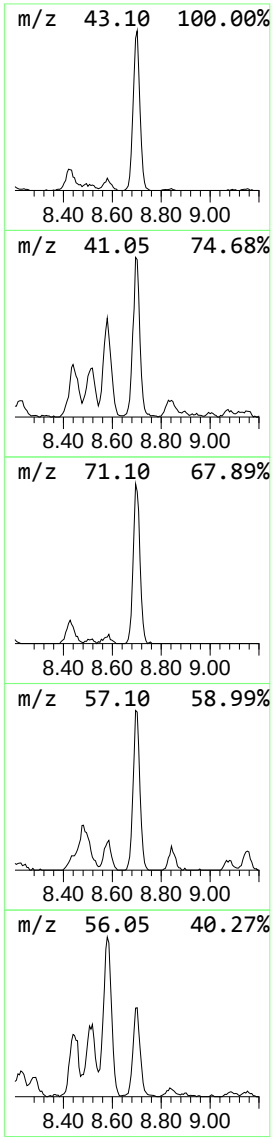
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.701	41.42 ug/L	157337	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	78
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

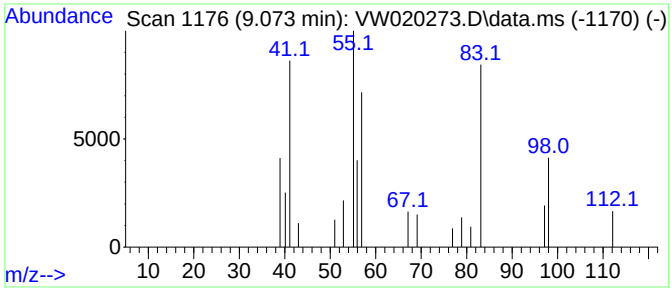
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

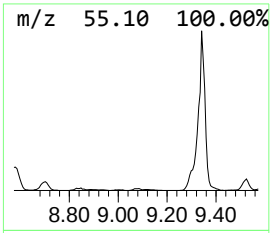
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

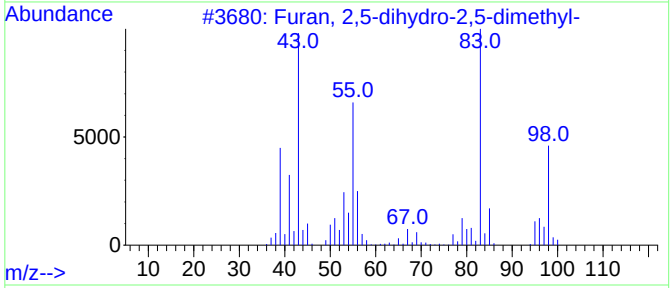
****
Peak Number 13 Furan, 2,5-dihydro-2,5-dime... Concentration Rank 61

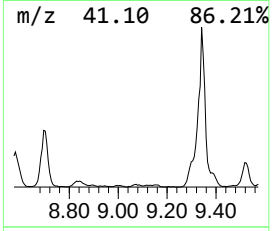
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	1.50 ug/L	5693	1,4-Difluorobenzene	8.848

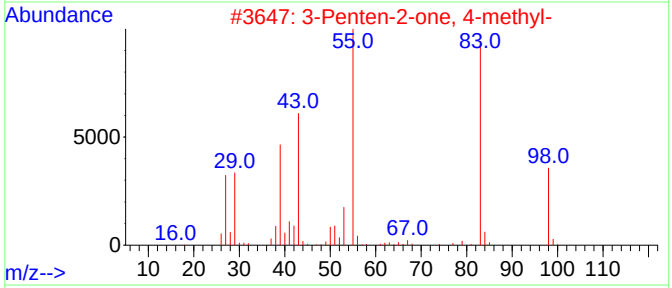
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	64
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	58
3	2-Hexenal, (E)-	98	C6H10O	006728-26-3	50
4	2-Hexenal, (E)-	98	C6H10O	006728-26-3	50
5	2-Pentyn-1-ol	84	C5H8O	006261-22-9	50

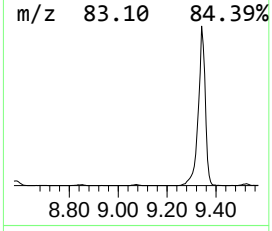


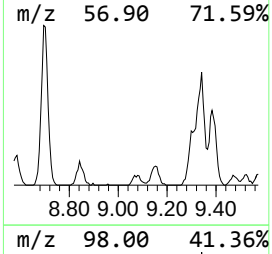


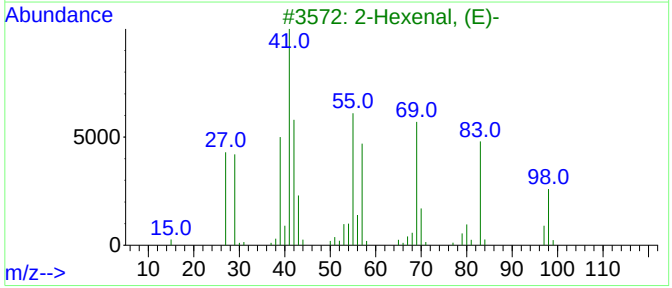


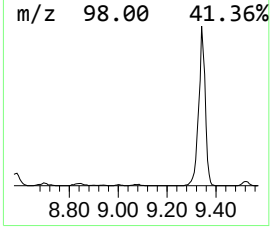












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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

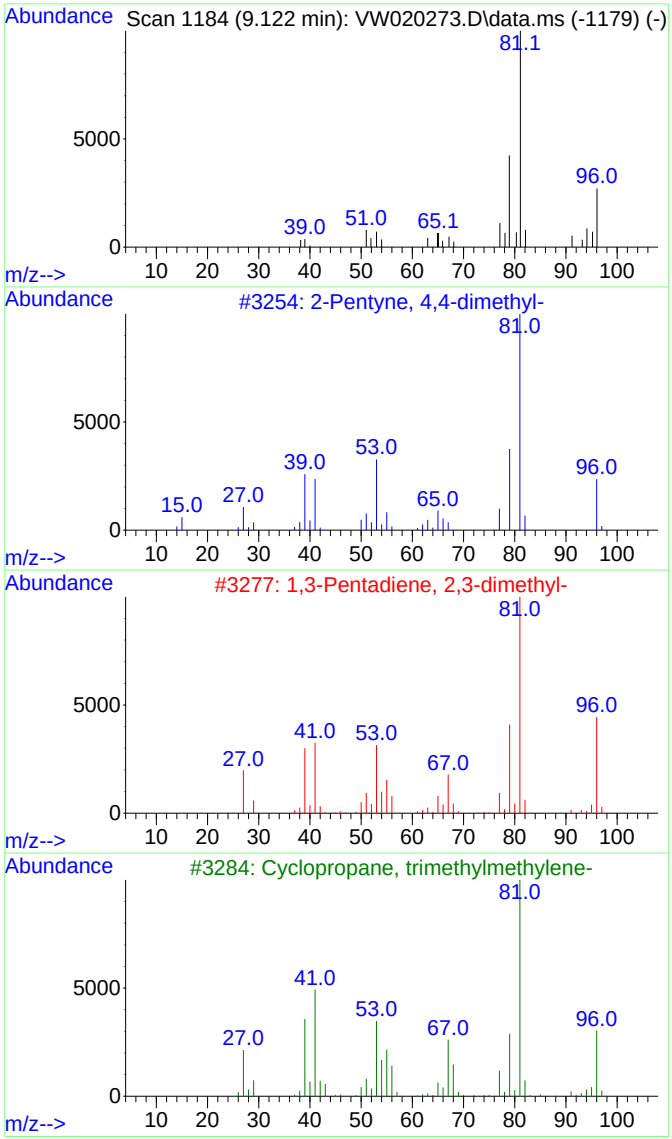
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

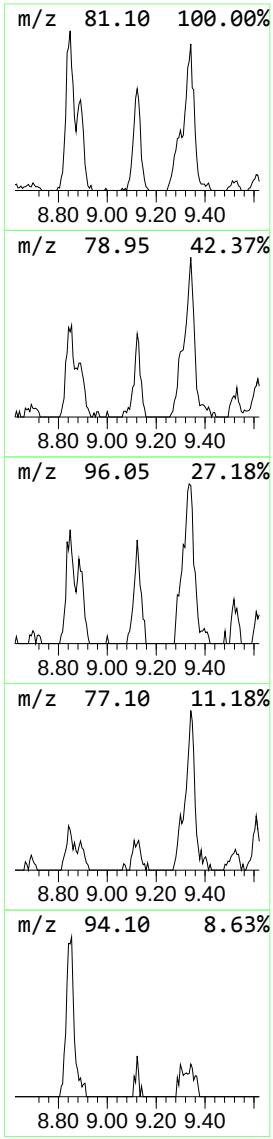
****

Peak Number 14 2-Pentyne, 4,4-dimethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.122	5.58 ug/L	21199	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	80
2	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	59
3	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	59
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	59
5	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

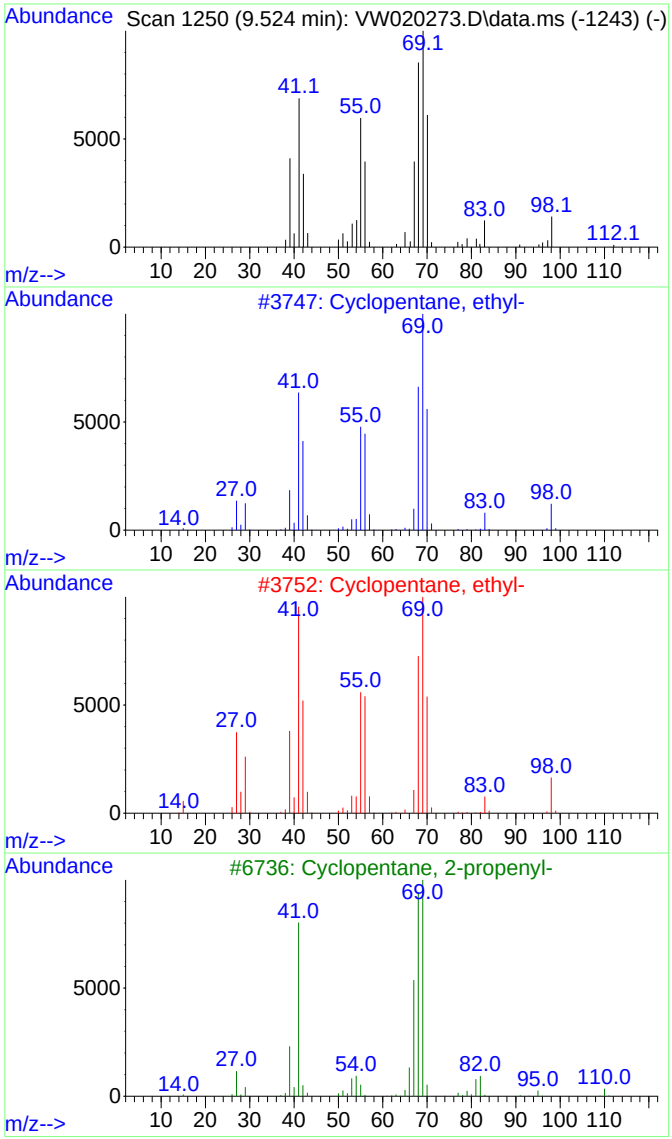
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

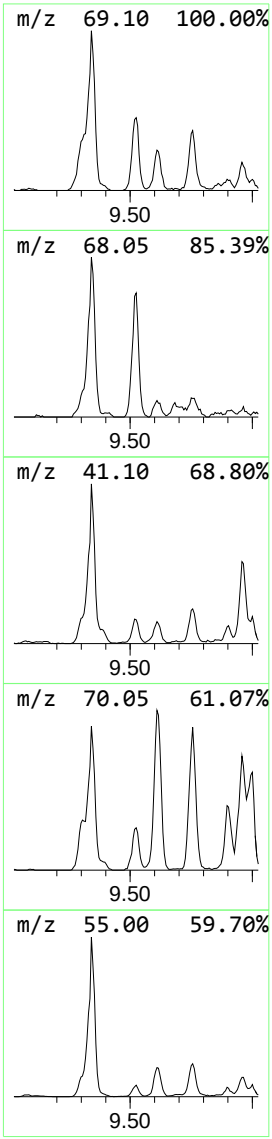
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic9.524 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.524	19.72 ug/L	74897	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	68
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	62
3	Cyclopentane, 2-propenyl-	110	C8H14	003524-75-2	43
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

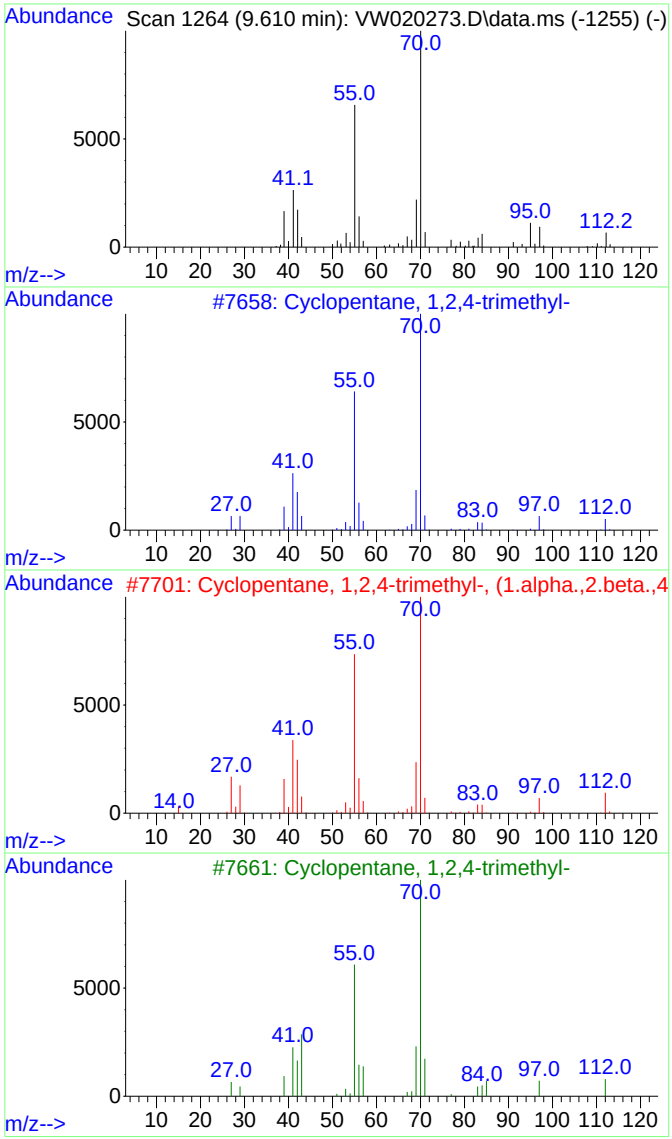
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

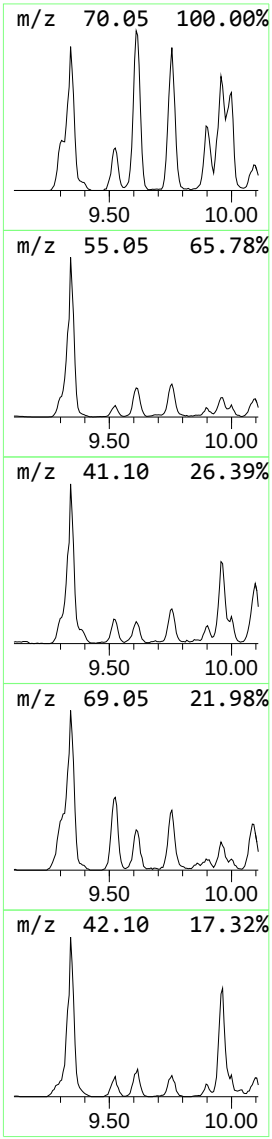
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic9.610 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	31.32 ug/L	118981	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	016883-48-0	87
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

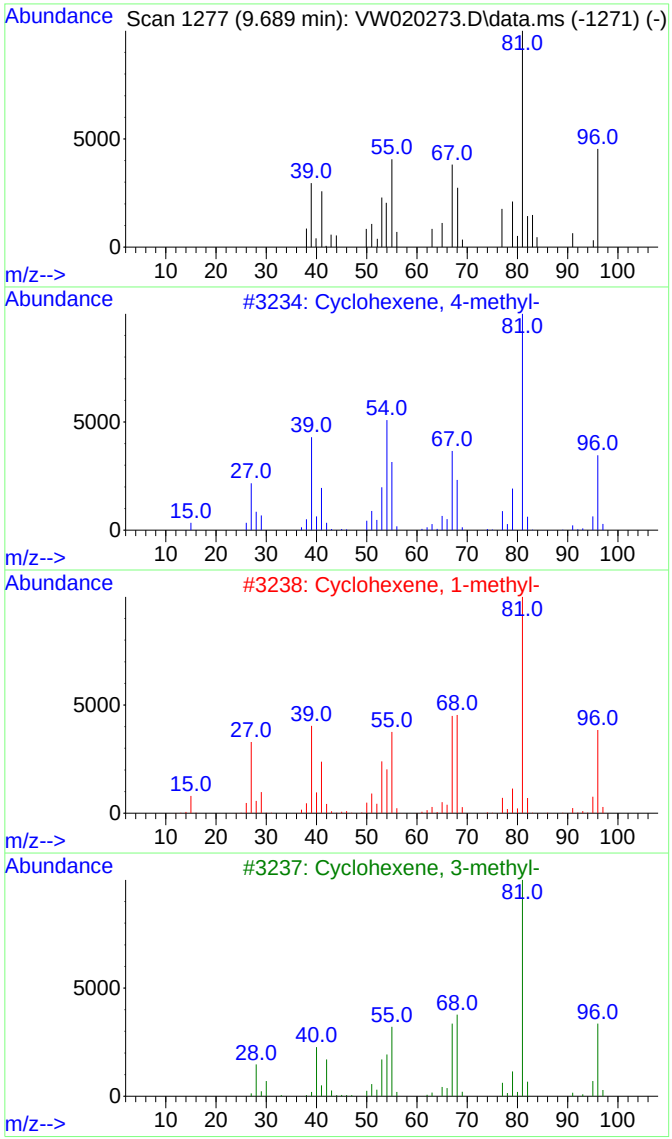
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

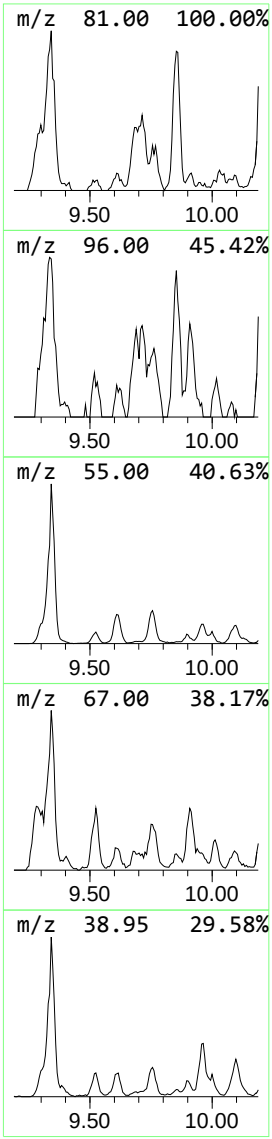
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclohexene, 4-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.689	3.89 ug/L	14776	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	64
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	59
5	2-Heptyne	96	C7H12	001119-65-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

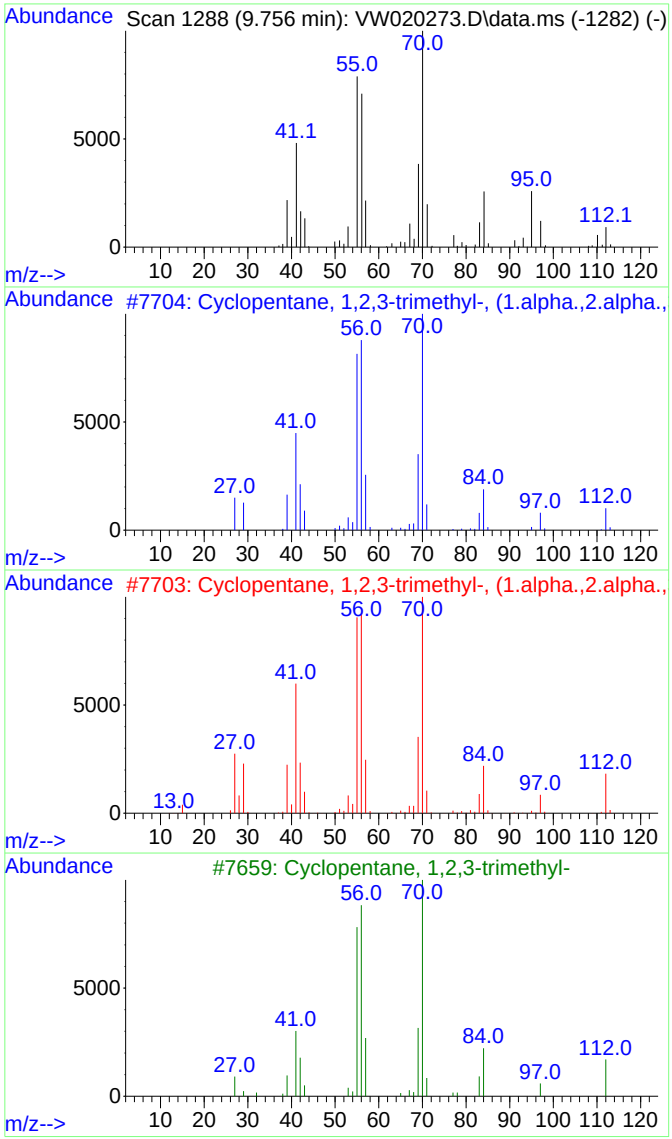
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

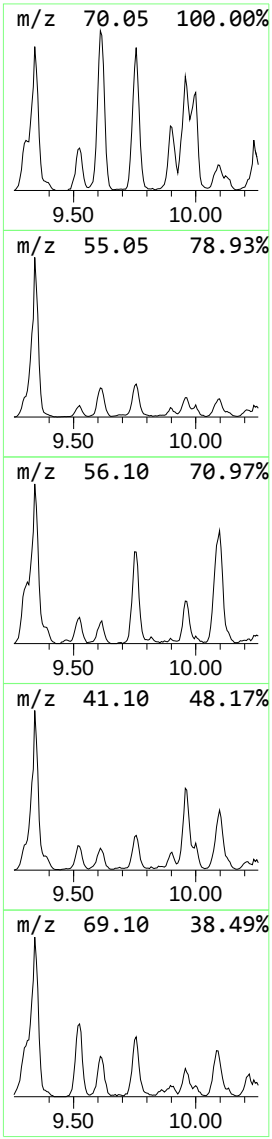
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic9.756 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	44.41 ug/L	168689	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	81
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	81
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	72
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

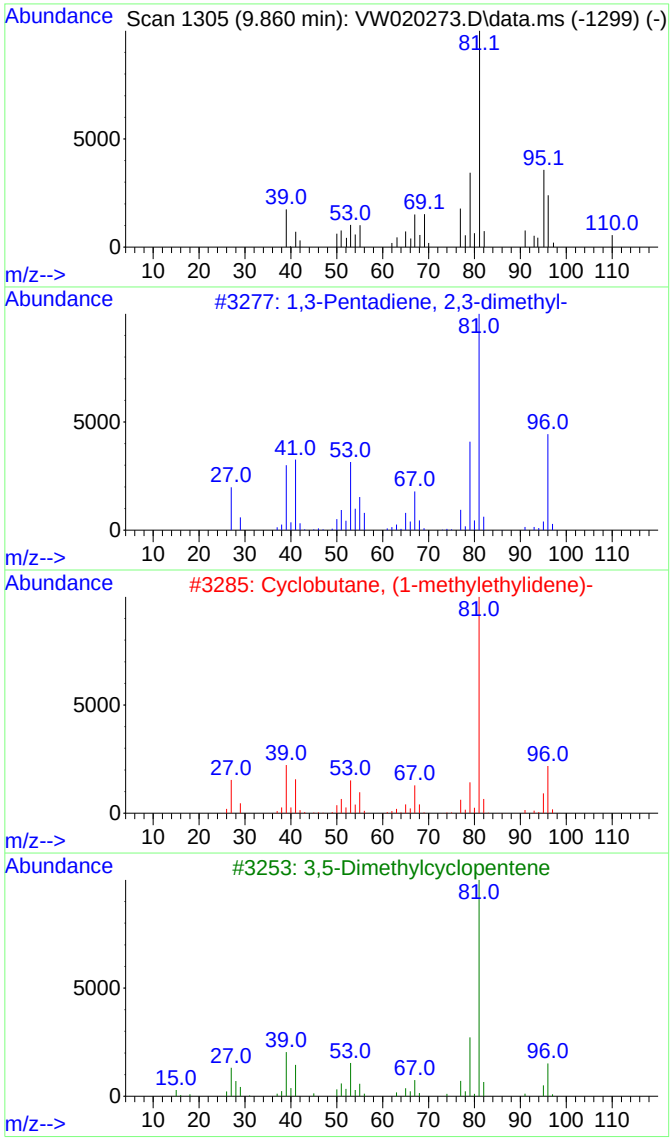
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

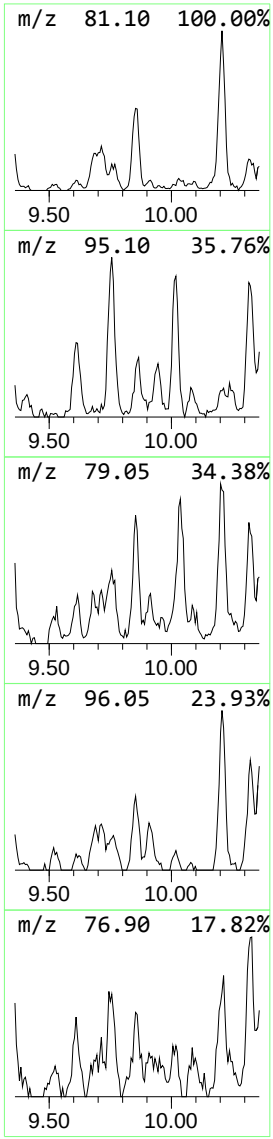
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.860	5.45 ug/L	20708	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	76
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	64
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	59
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	58
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

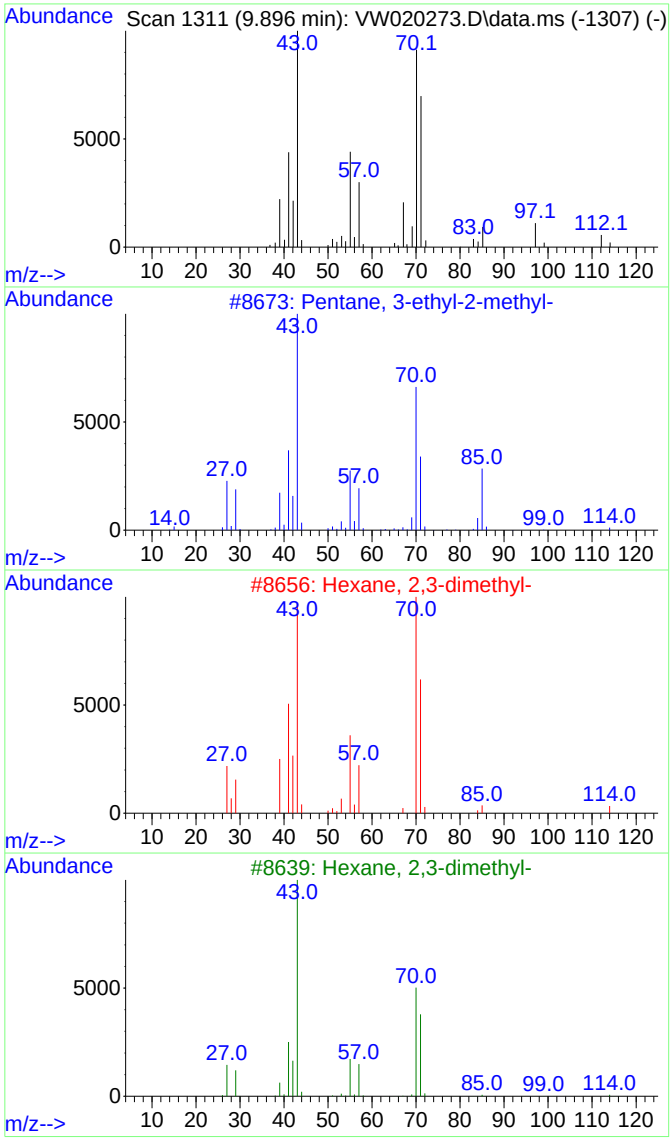
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

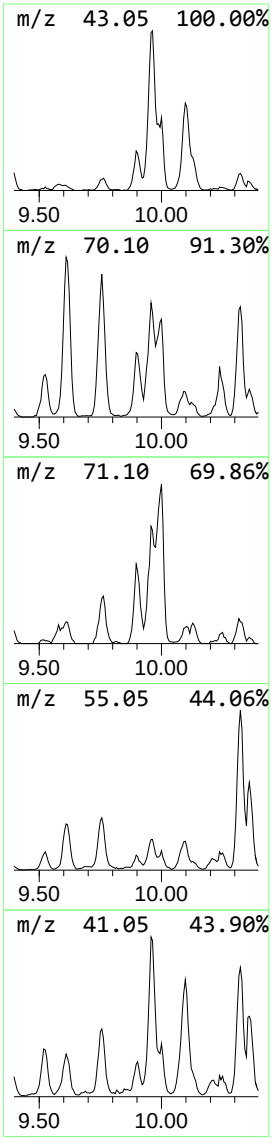
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	12.43 ug/L	47206	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	58
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

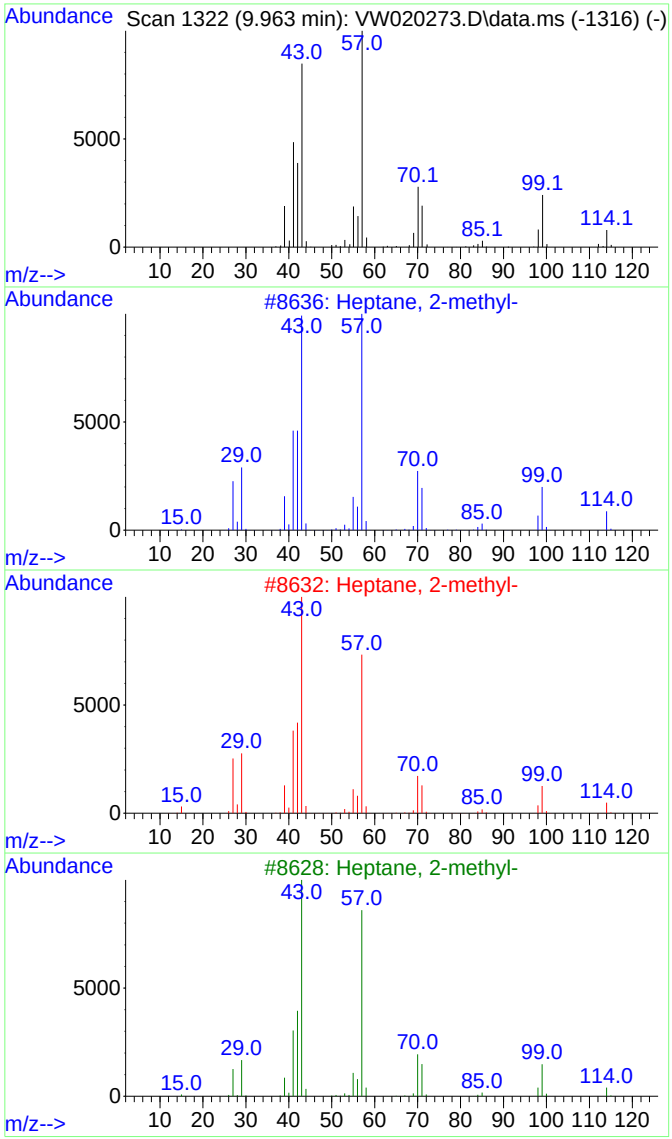
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

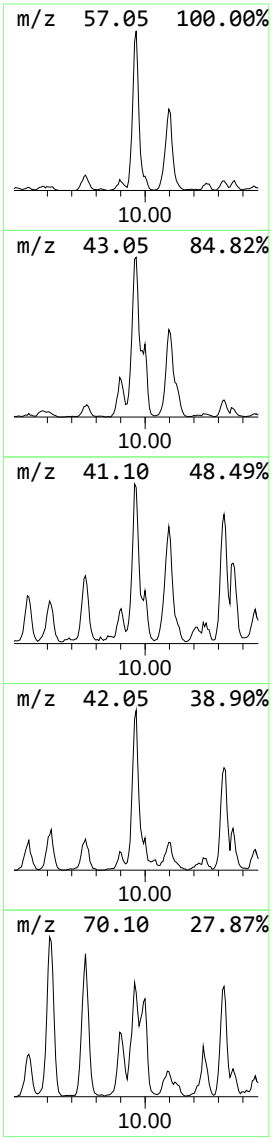
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.963	68.73 ug/L	261047	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	95
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\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

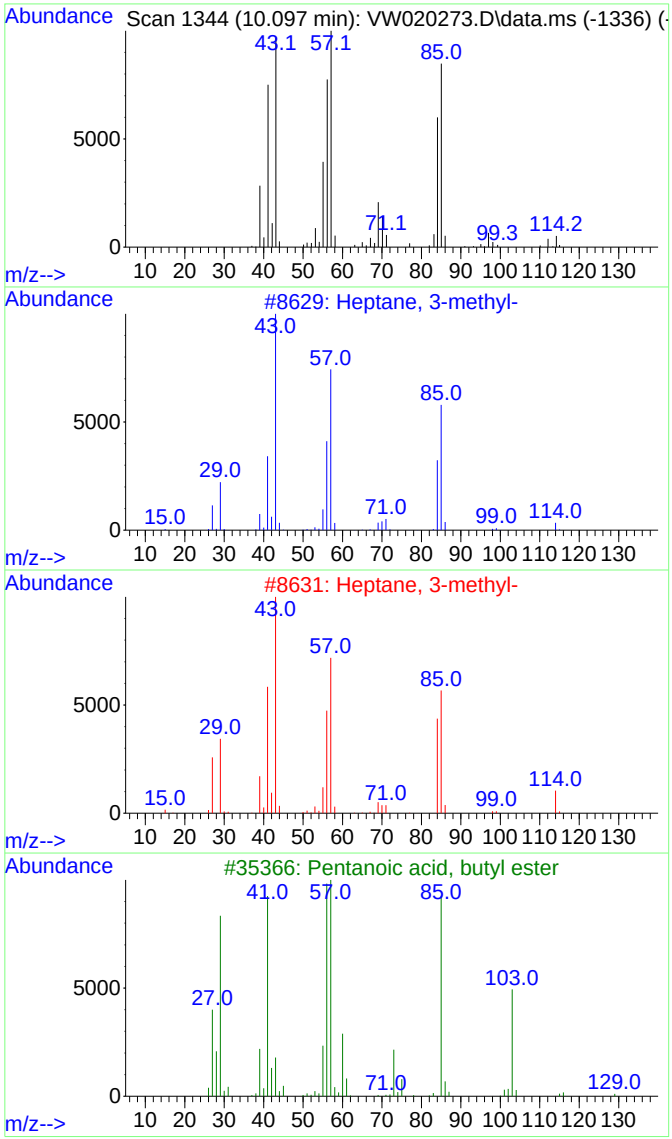
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

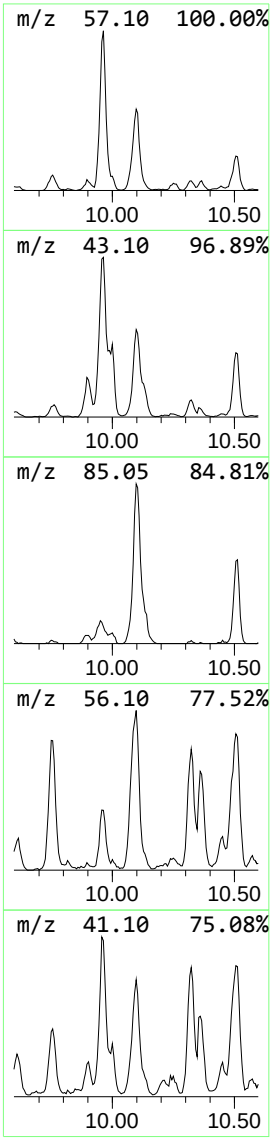
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	67.18 ug/L	255188	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	86
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
3	Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	53
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

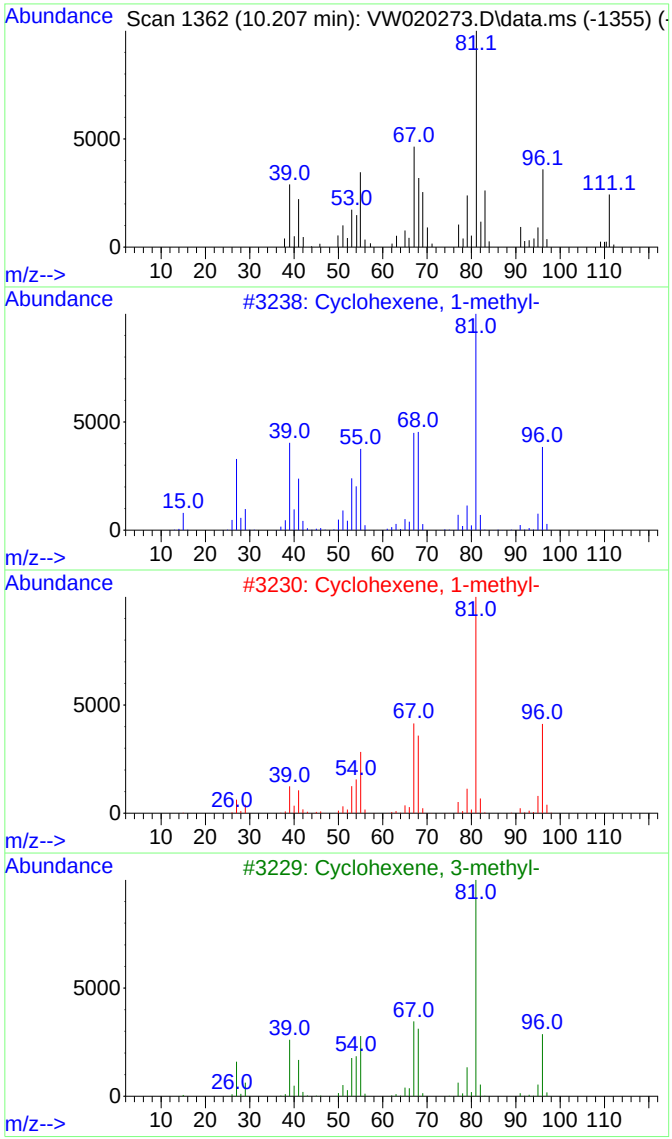
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

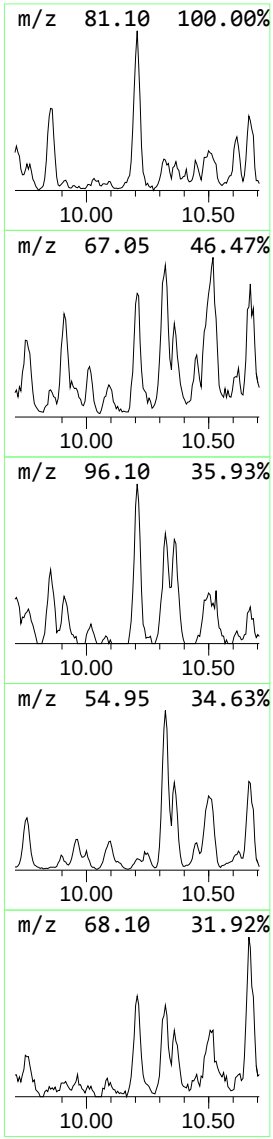
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Cyclohexene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.207	19.58 ug/L	74373	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	76
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	76
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

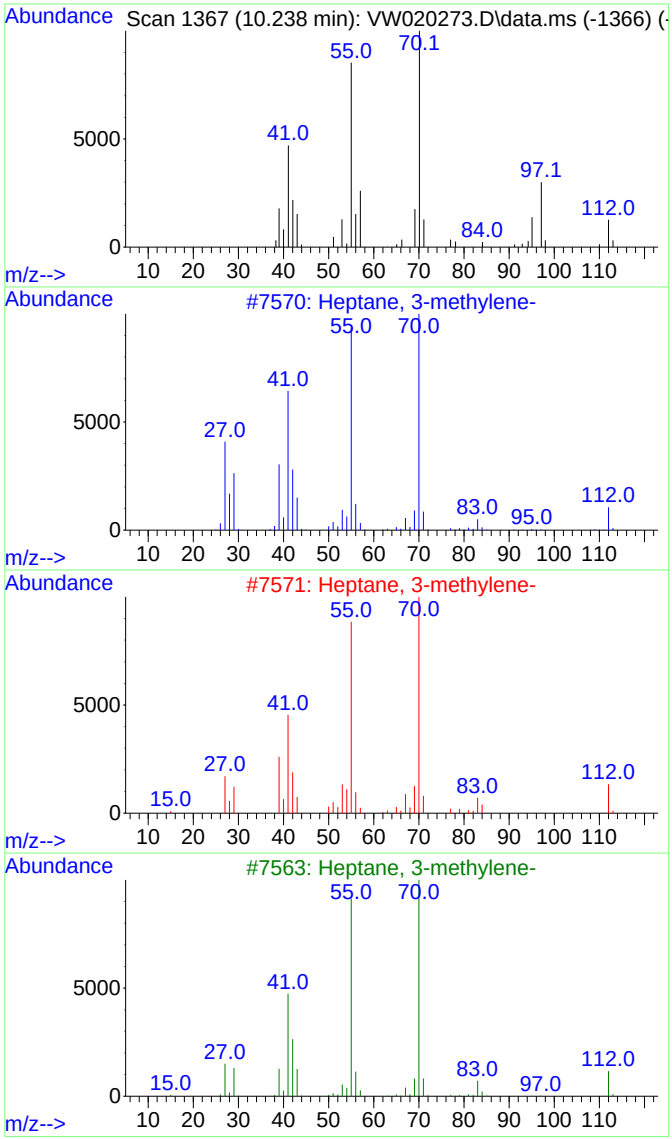
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

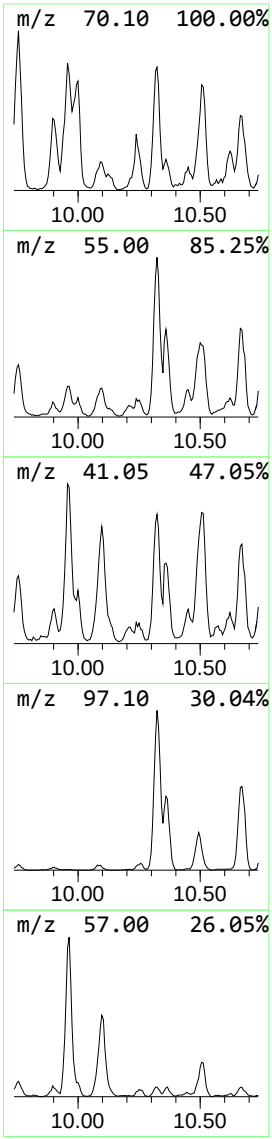
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.238	8.65 ug/L	32863	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	74
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	72
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	72
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	64
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

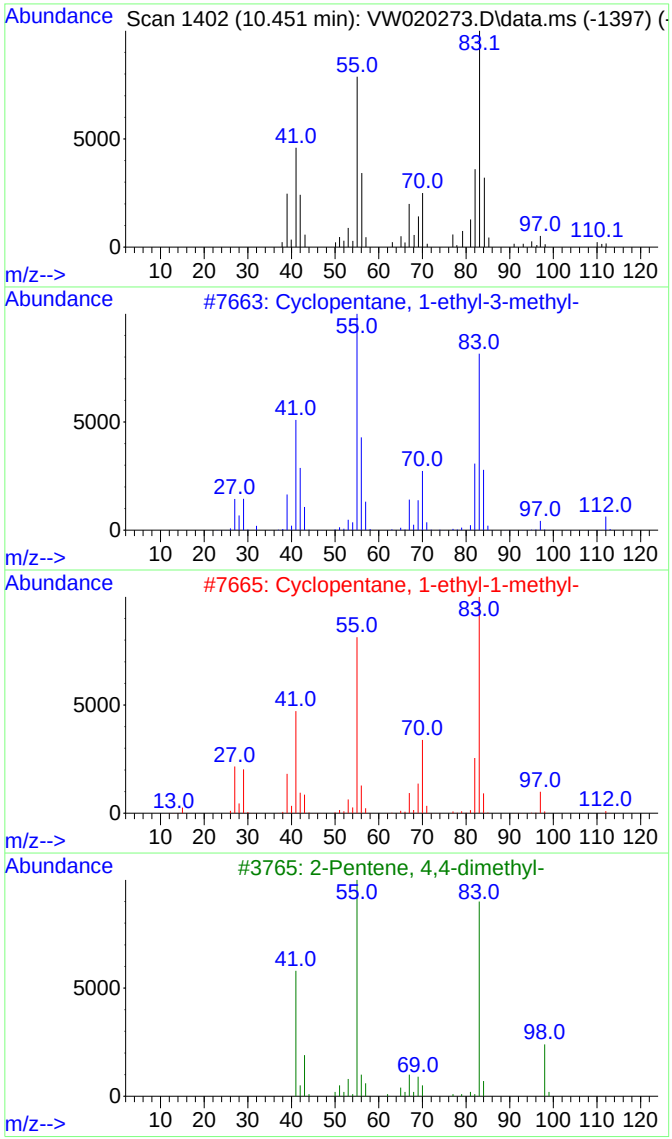
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

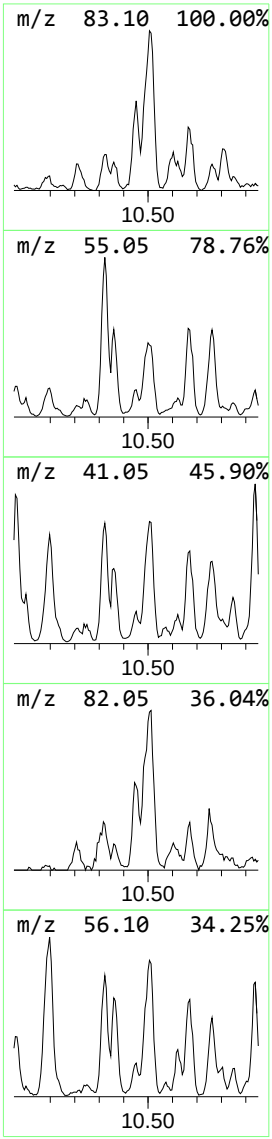
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic10.451 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	12.05 ug/L	50469	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	59
2	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50
3	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	43
4	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	43
5	5-Oxa-6-azaspiro[3.4]oct-6-ene	111	C6H9NO	1000362-18-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

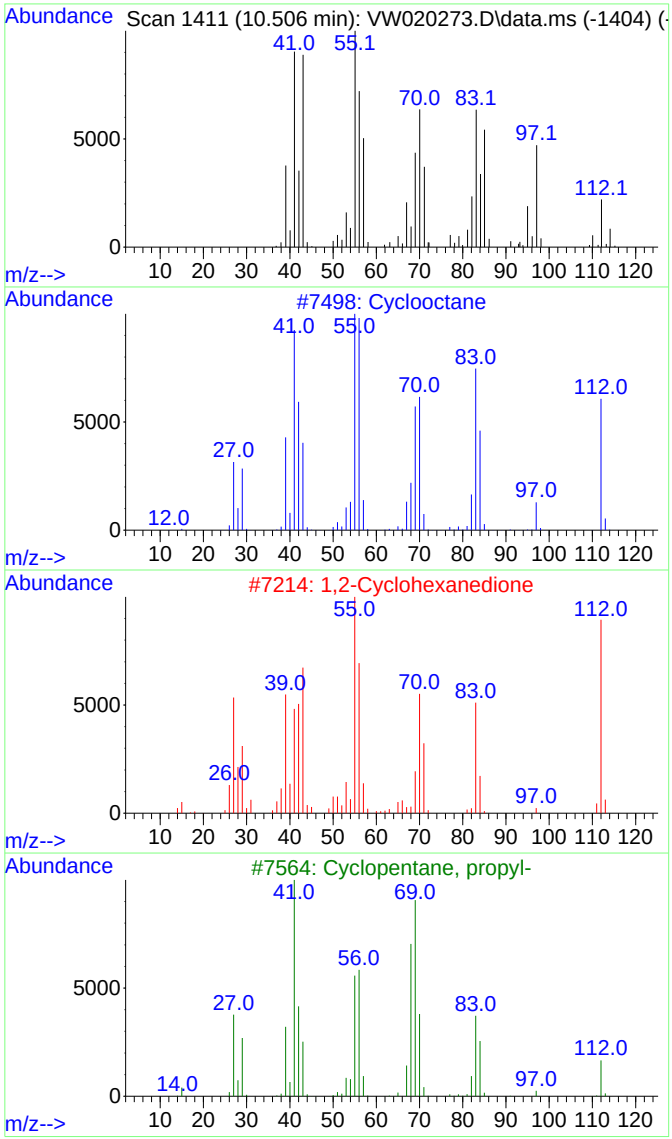
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

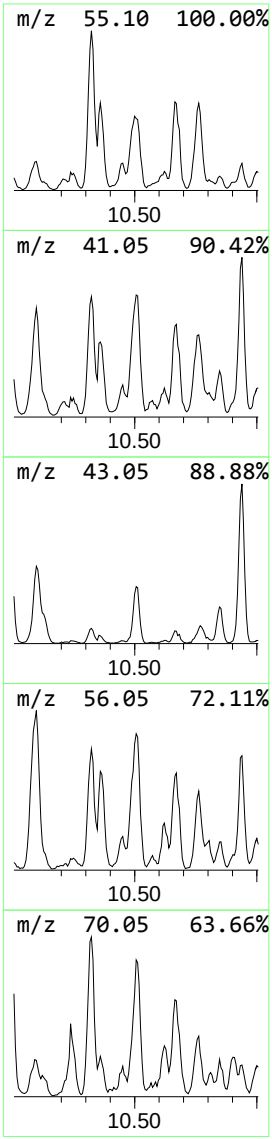
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic10.506 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	82.26 ug/L	344543	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	60
2	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	55
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	49
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	47
5	1-Octene	112	C8H16	000111-66-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

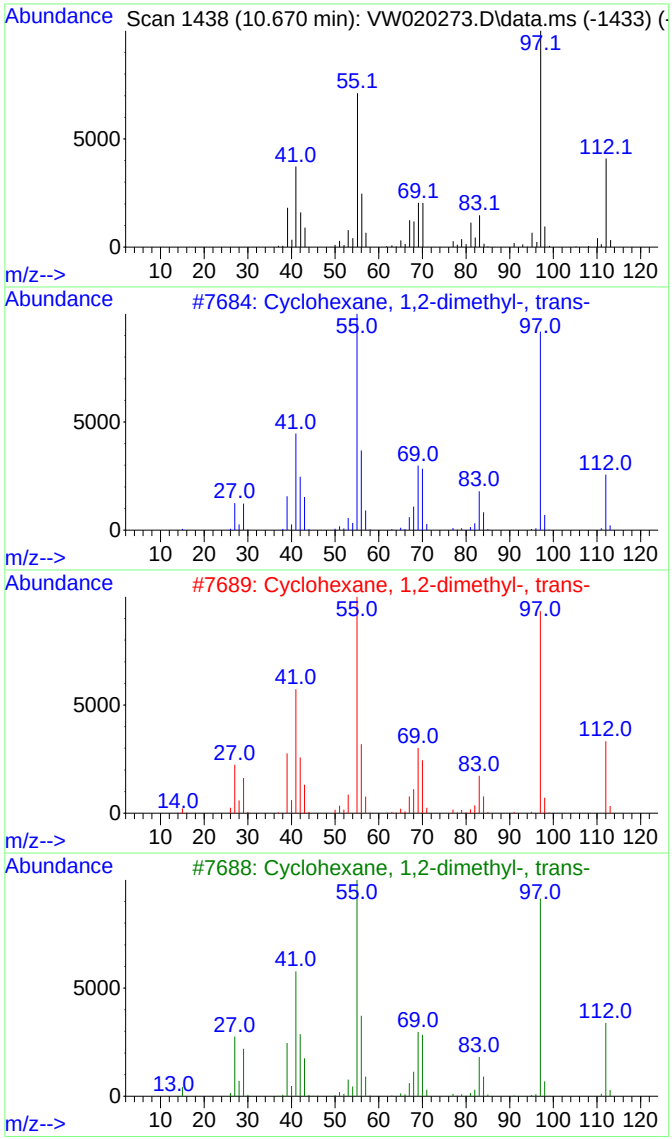
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

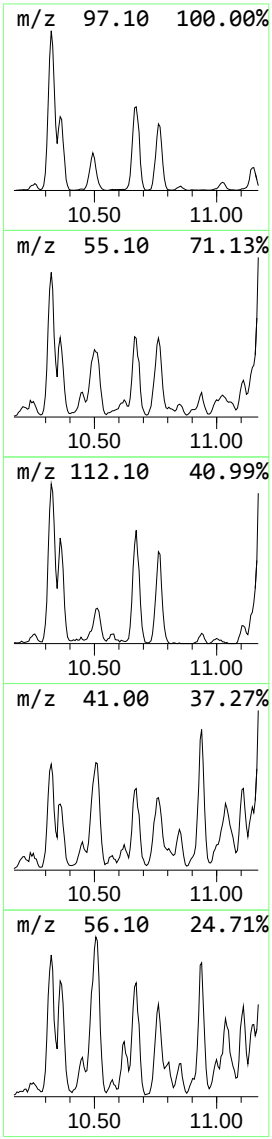
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic10.670 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.670	57.53 ug/L	240983	Chlorobenzene-d5	11.634

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

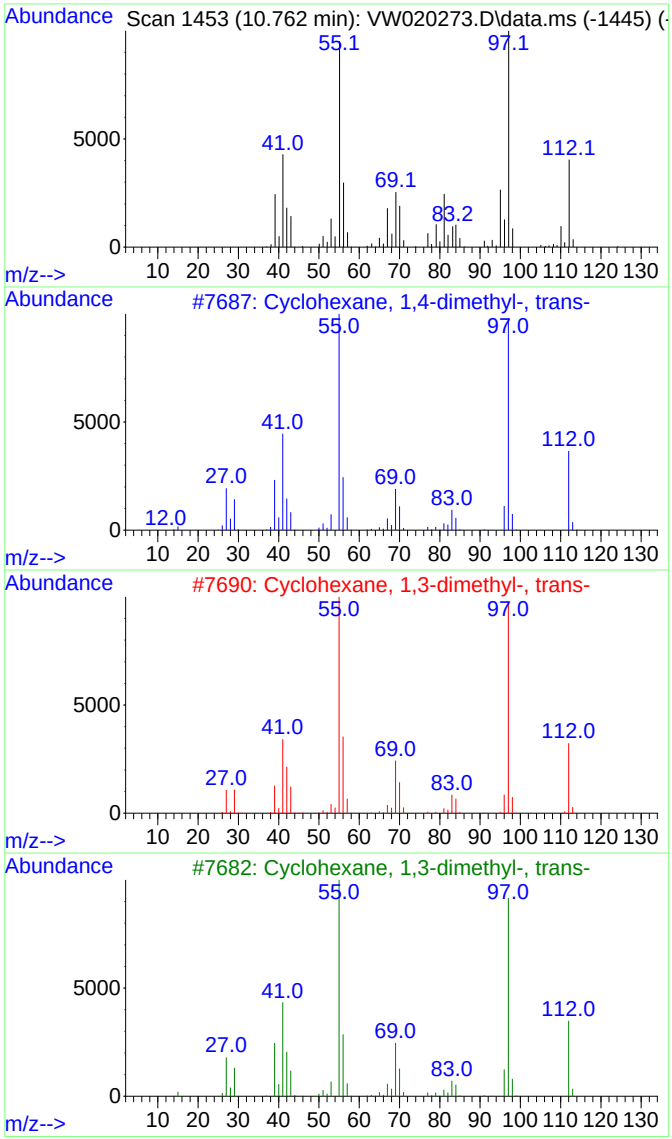
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

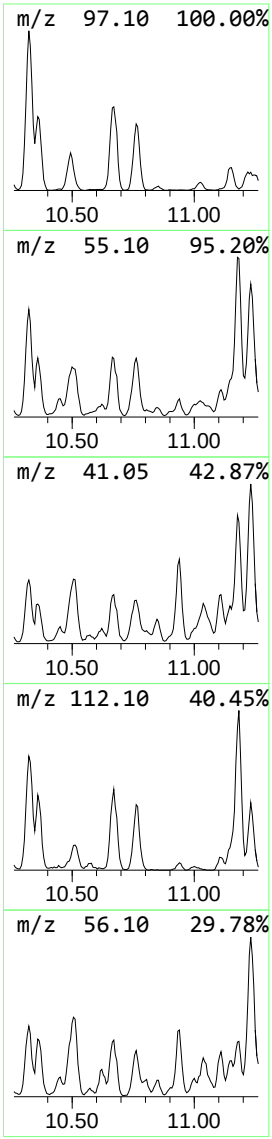
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic10.762 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	77.64 ug/L	325182	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
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	93
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

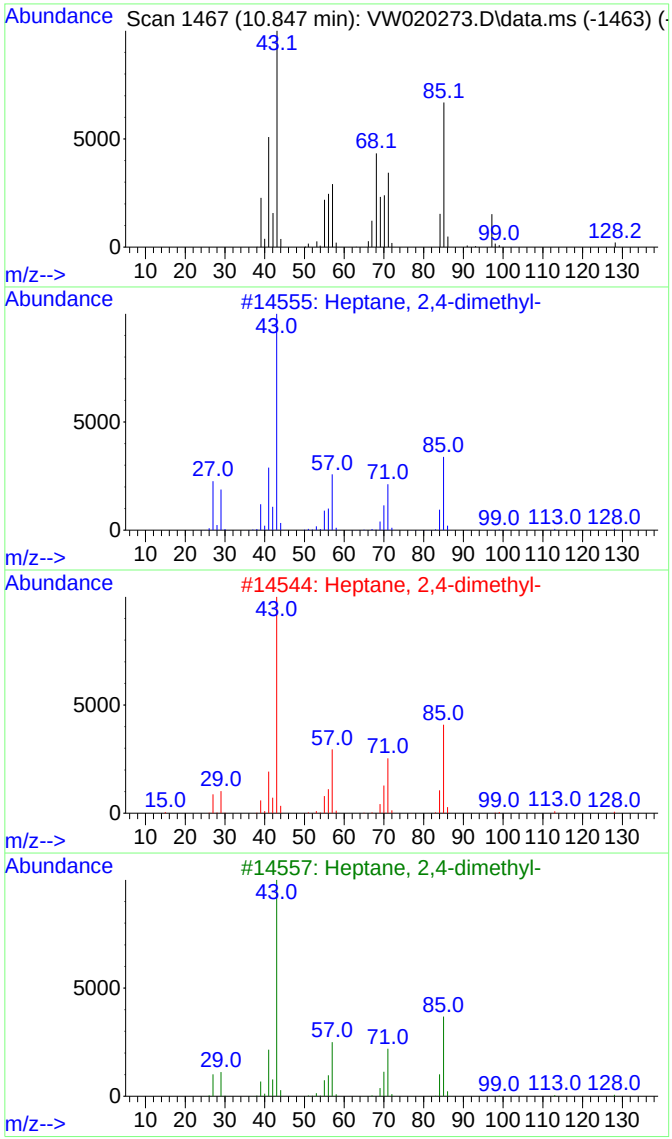
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

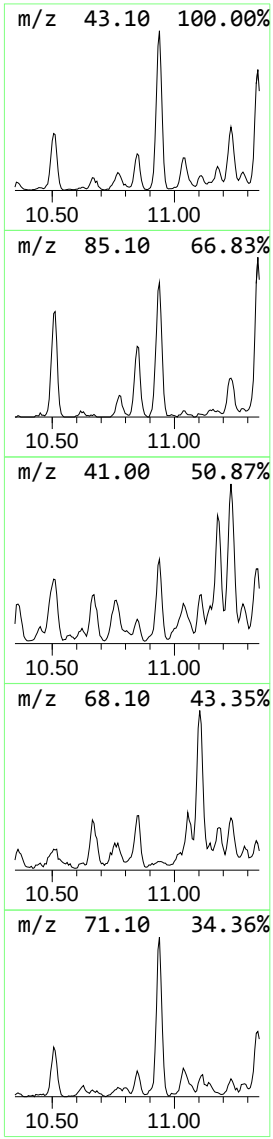
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	20.72 ug/L	86802	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	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
4	Octane, 4-methyl-	128	C9H20	002216-34-4	43
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

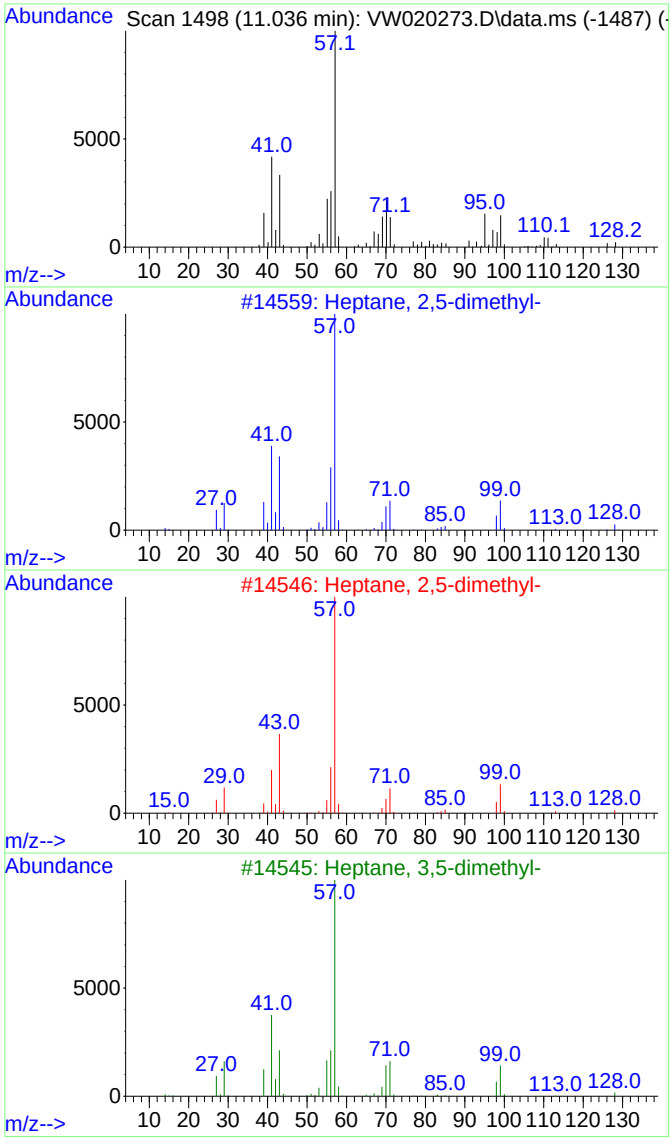
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

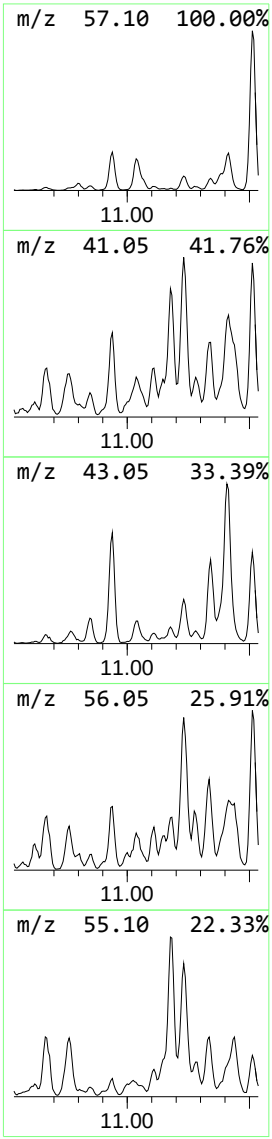
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	66.92 ug/L	280294	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	60
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	52
4	Octane, 3-methyl-	128	C9H20	002216-33-3	49
5	Octane, 3-methyl-	128	C9H20	002216-33-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

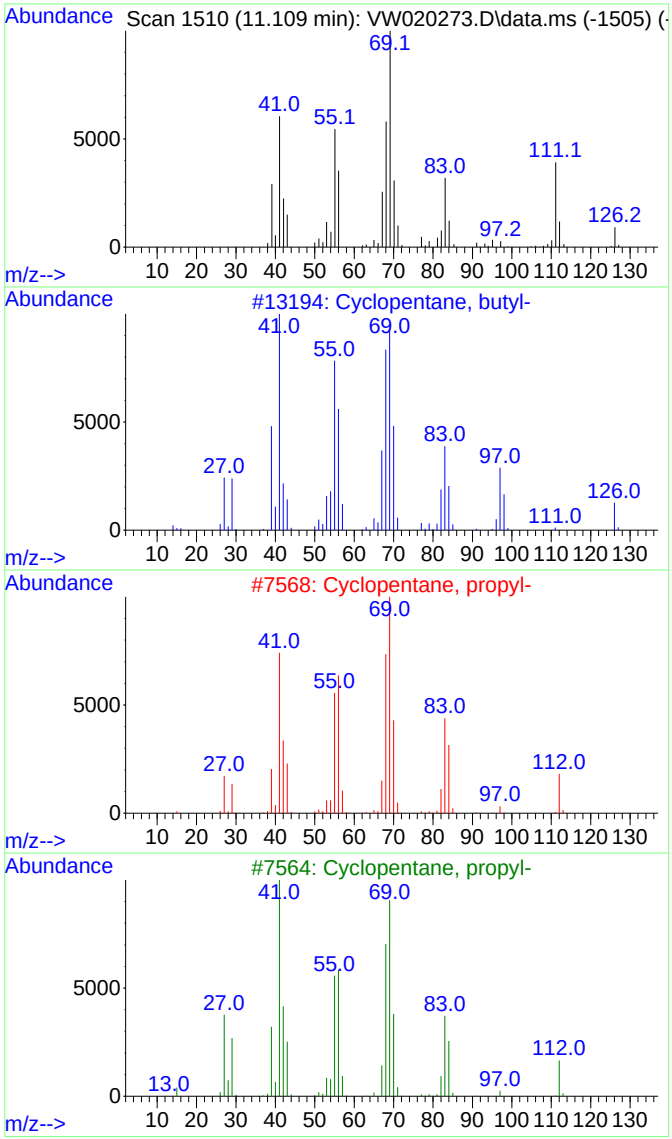
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

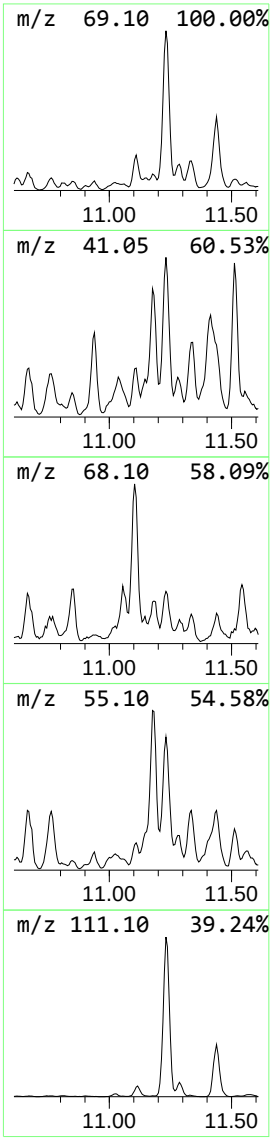
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic11.109 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	31.95 ug/L	133830	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	87
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	52
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	52
4	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	43
5	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

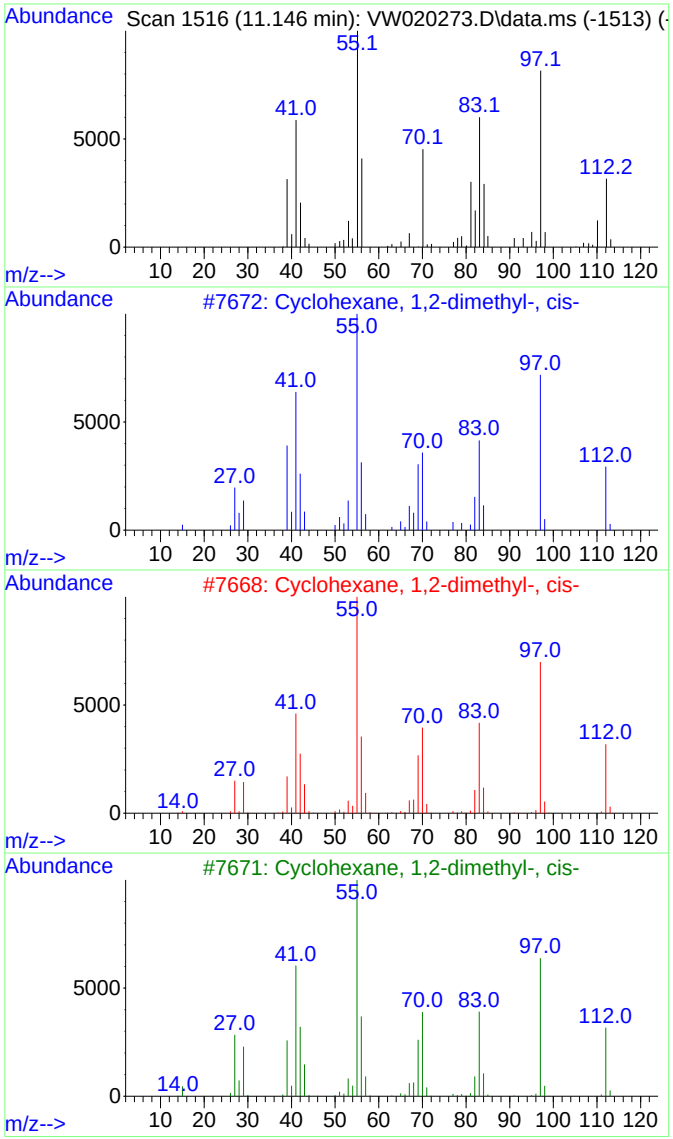
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

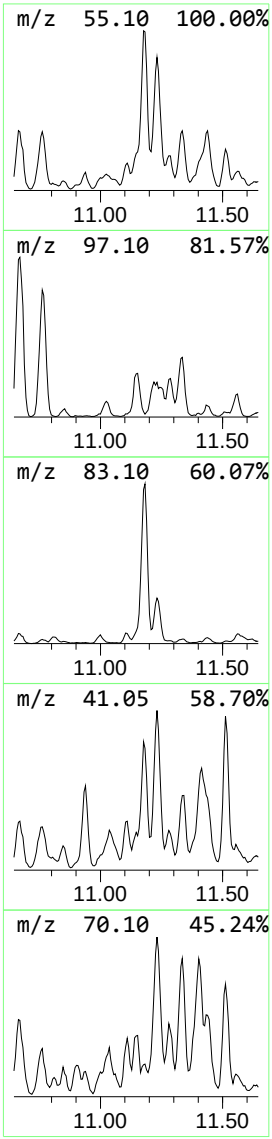
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.146 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	9.93 ug/L	41612	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

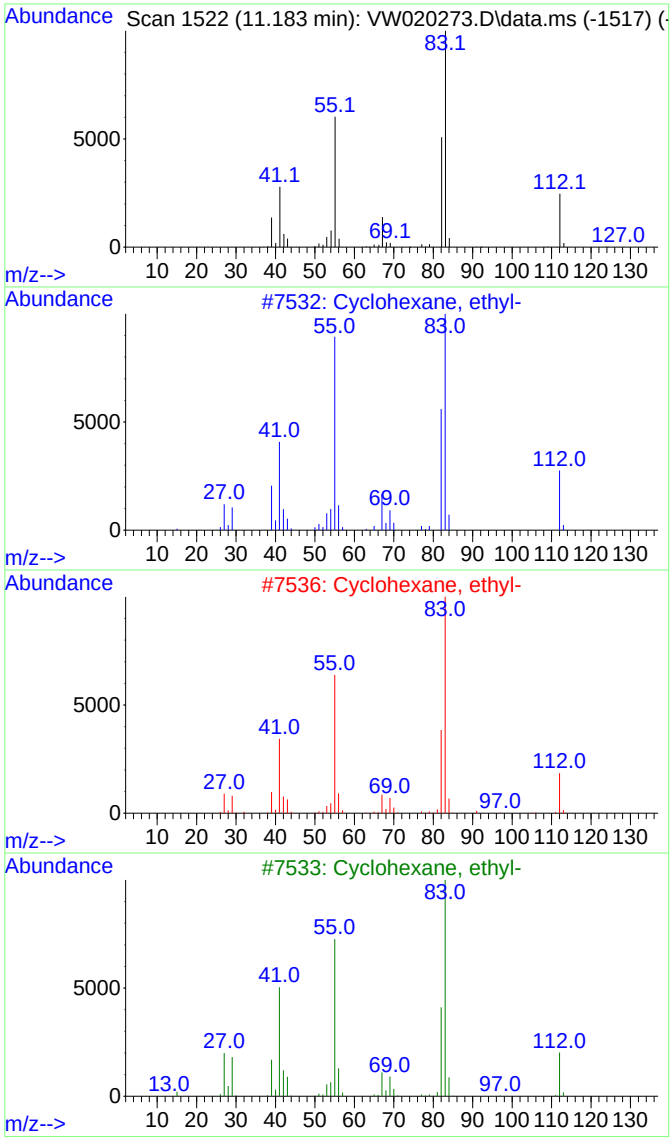
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

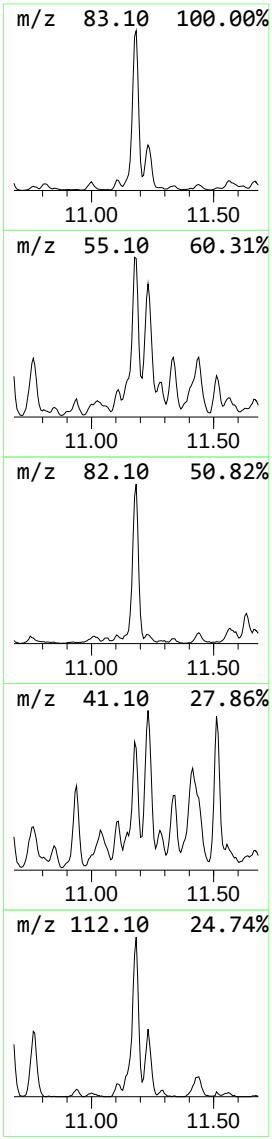
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic11.182 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.182	69.76 ug/L	292189	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	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

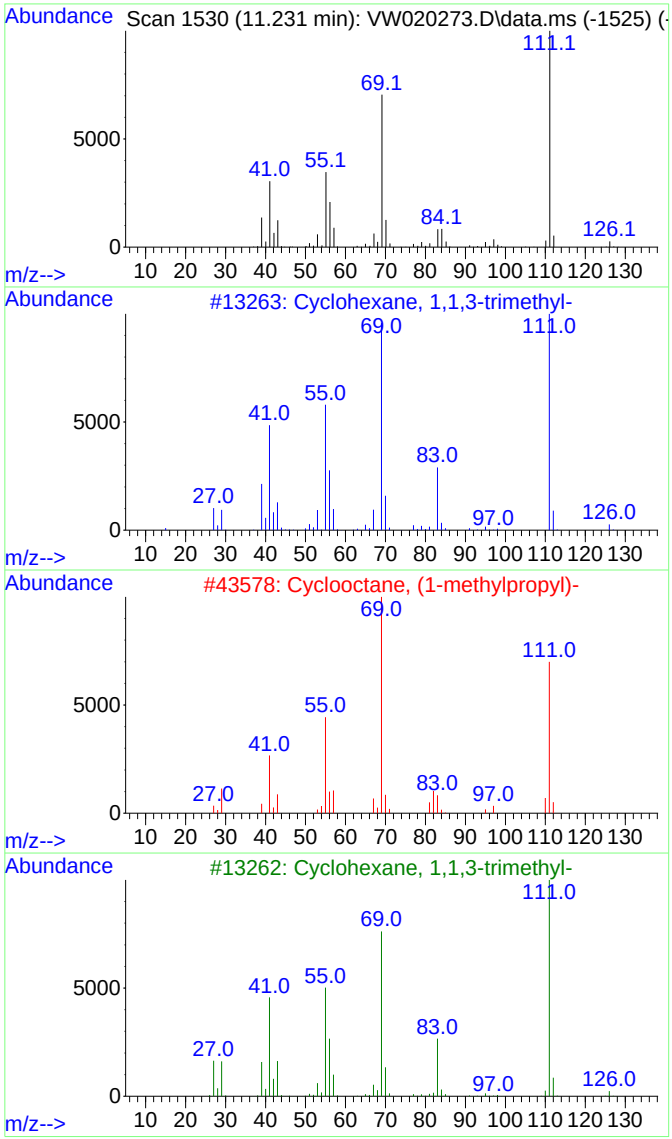
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

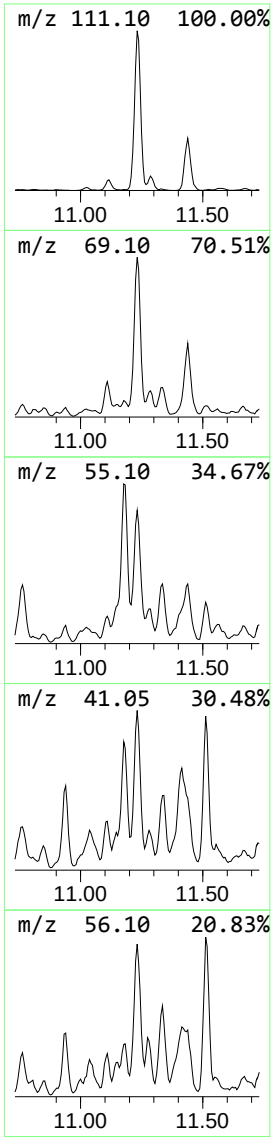
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic11.231 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	144.01 ug/L	603190	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
4	Isocytosine	111	C4H5N3O	000108-53-2	53
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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

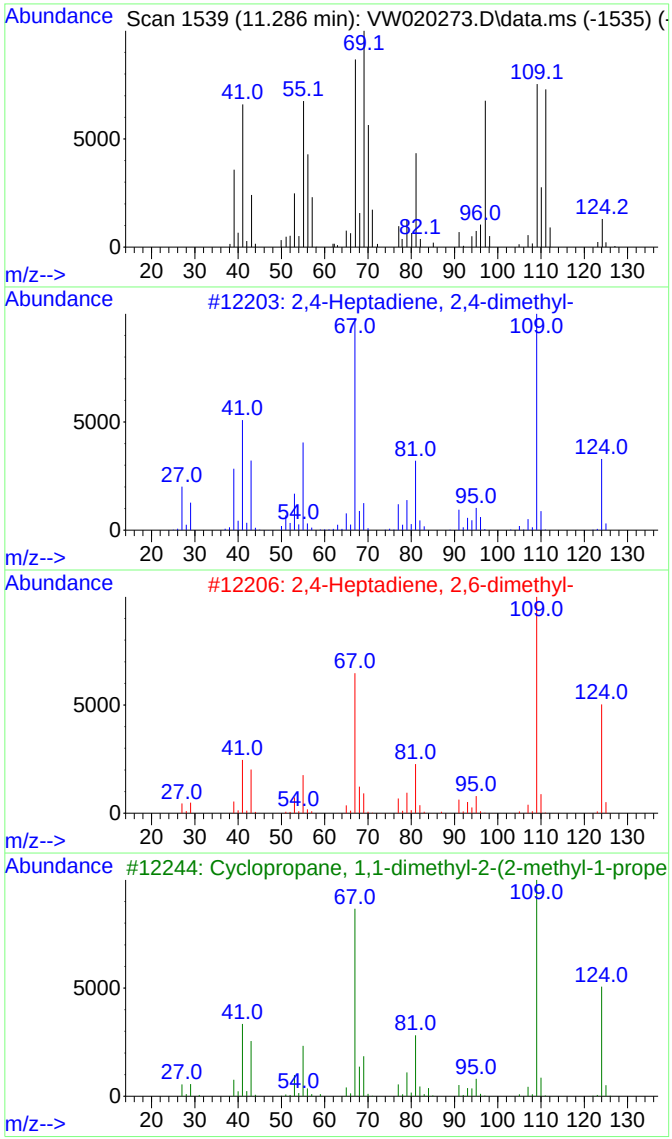
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

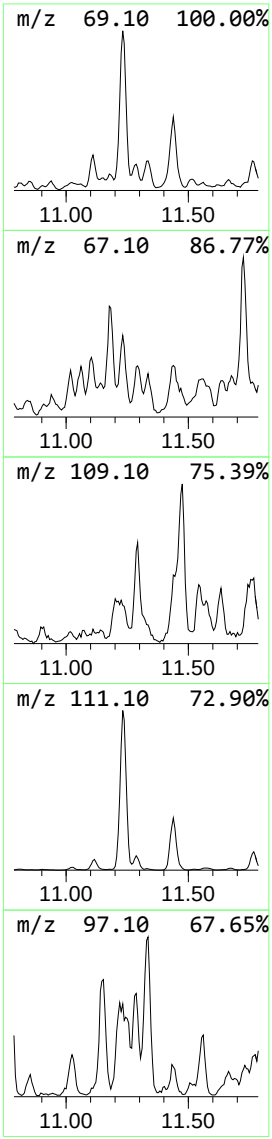
****

Peak Number 35 unknown-02 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	17.29 ug/L	72418	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	38
2	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	30
3	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	30
4	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	30
5	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

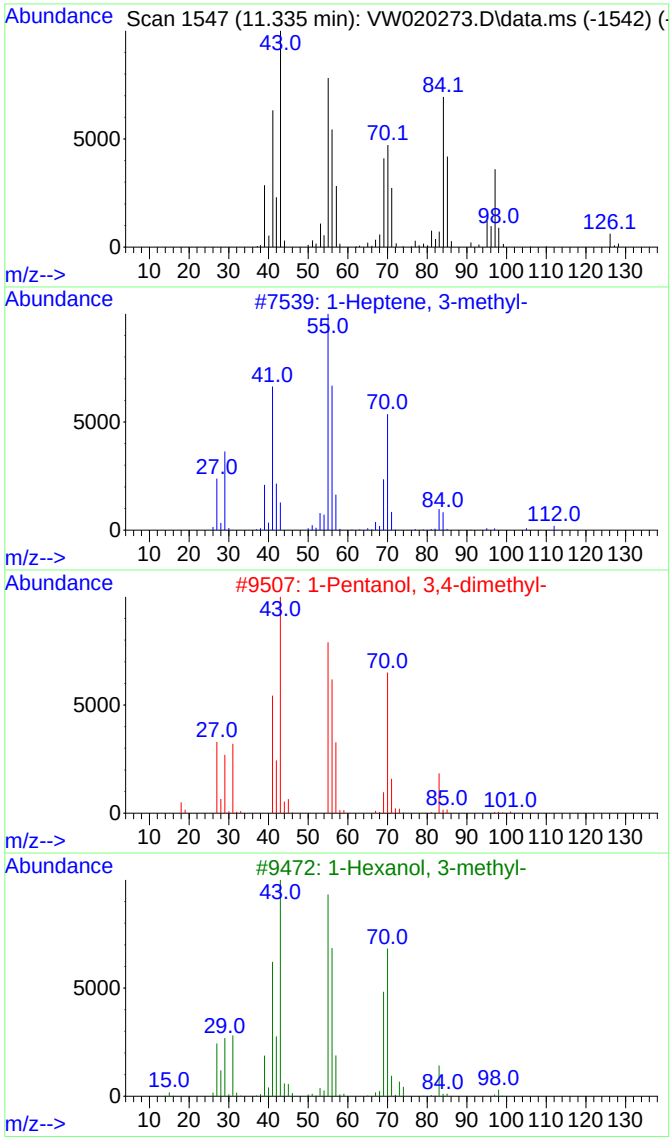
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

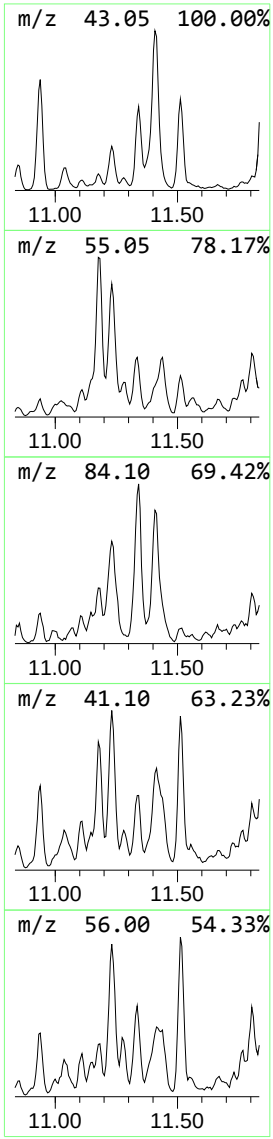
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	60.95 ug/L	255280	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	38
2	1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	38
3	1-Hexanol, 3-methyl-	116	C7H16O	013231-81-7	35
4	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	35
5	Isopropylcyclobutane	98	C7H14	000872-56-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

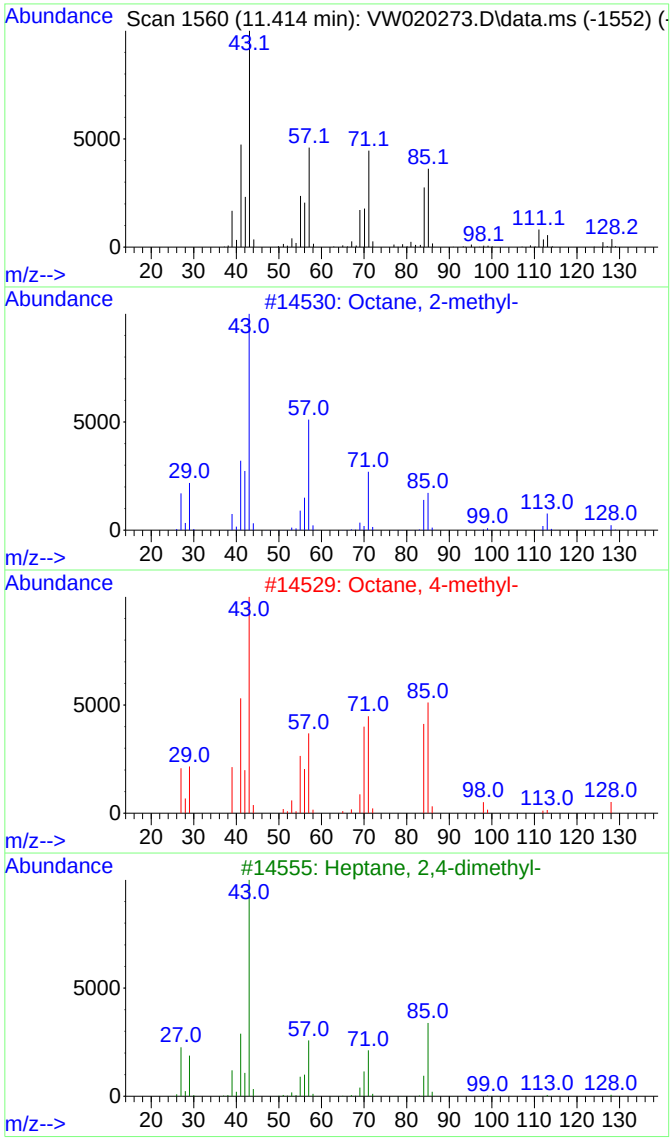
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

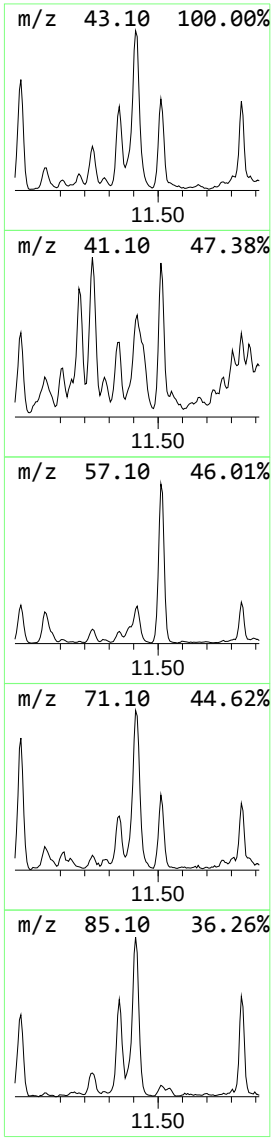
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.414	85.76 ug/L	359219	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4	Octane, 4-methyl-	128	C9H20	002216-34-4	47
5	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

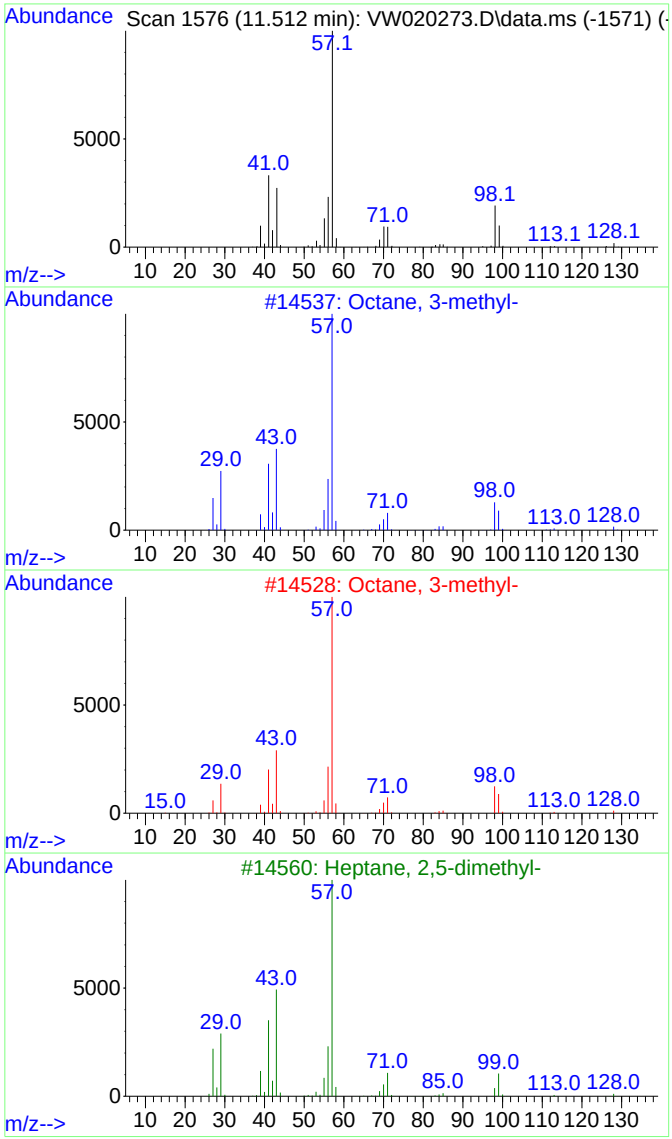
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

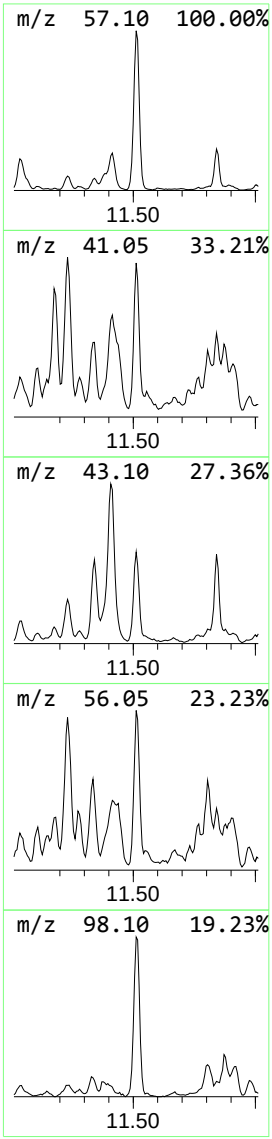
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	95.50 ug/L	400007	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	83
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

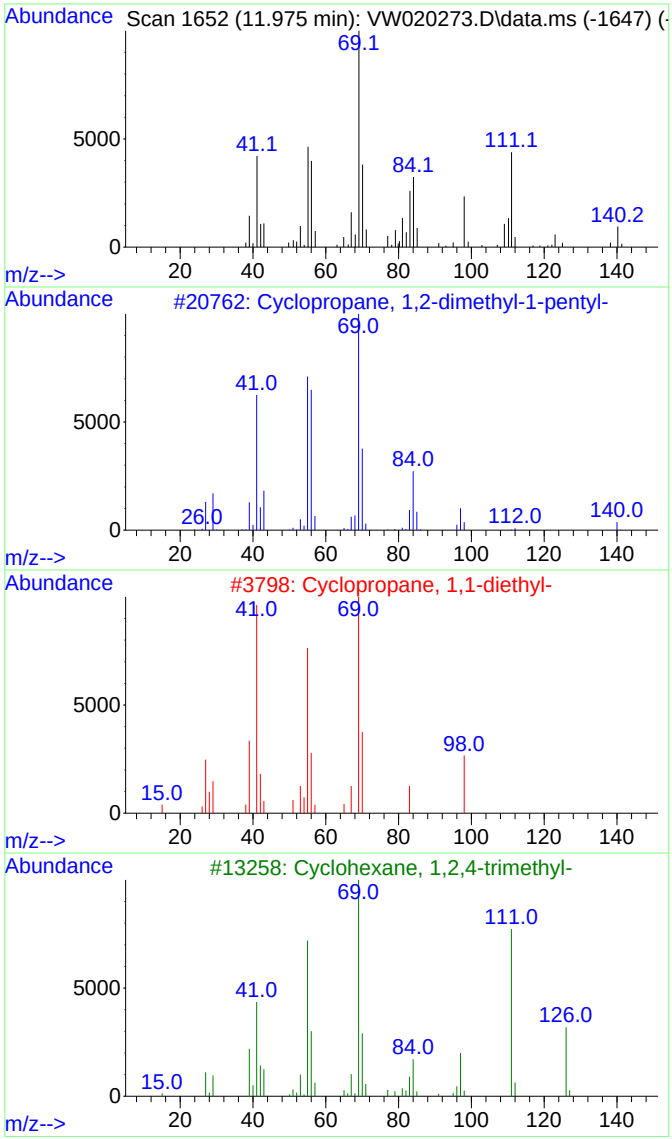
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

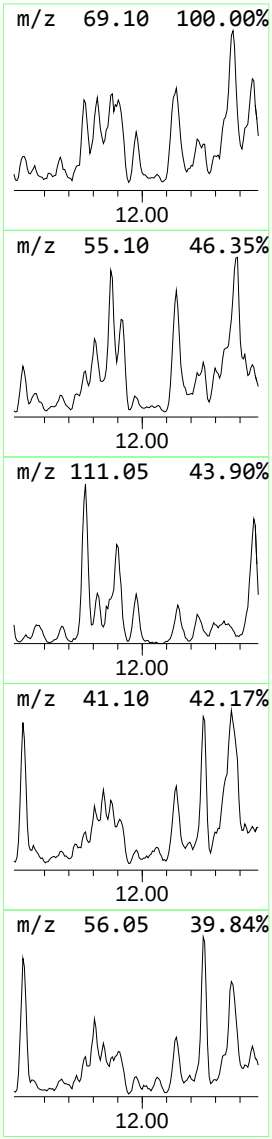
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Cyclic11.975 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	16.18 ug/L	67760	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	53
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
4	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

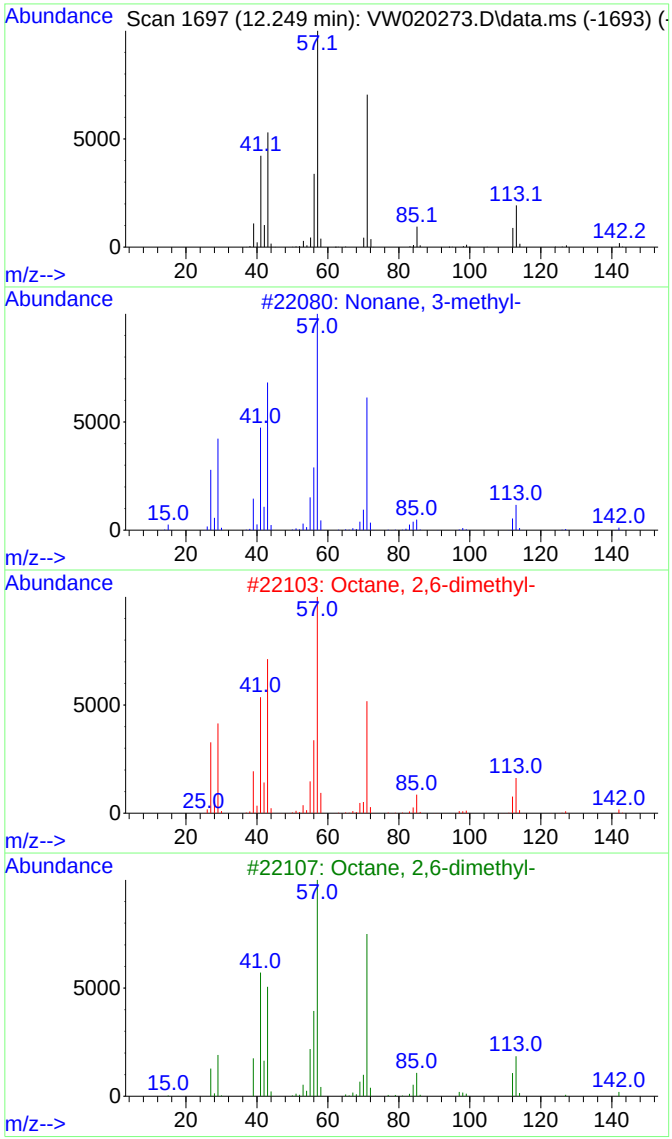
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

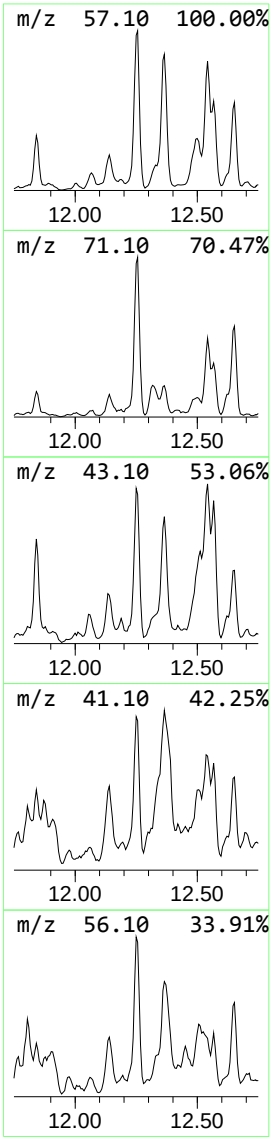
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	102.63 ug/L	429874	Chlorobenzene-d5	11.634

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

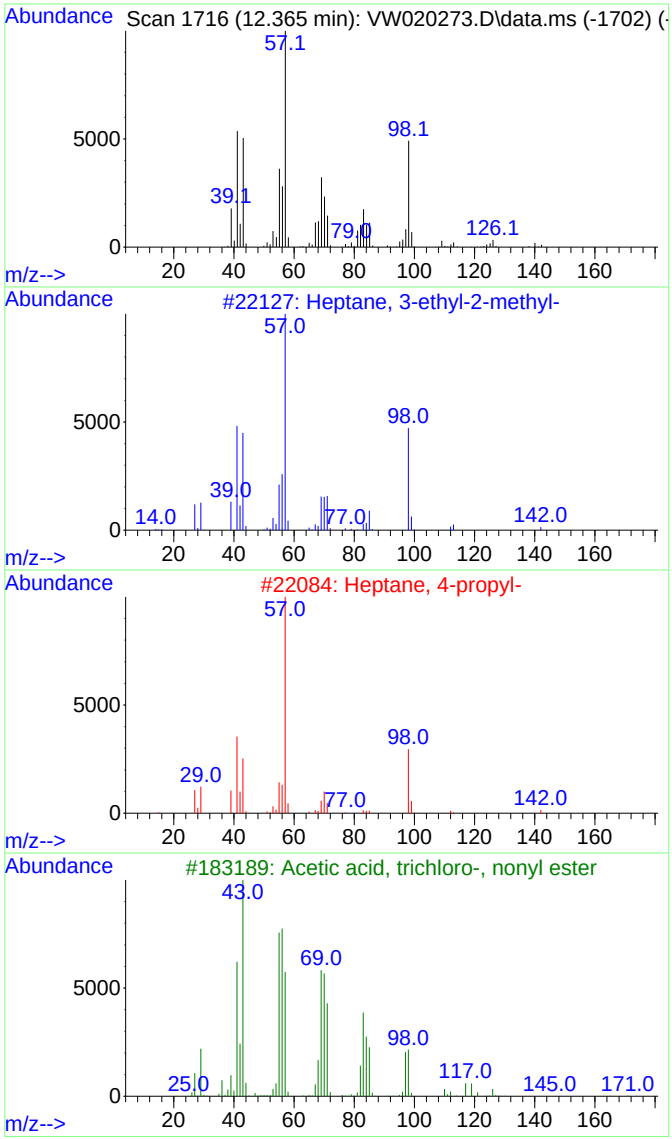
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

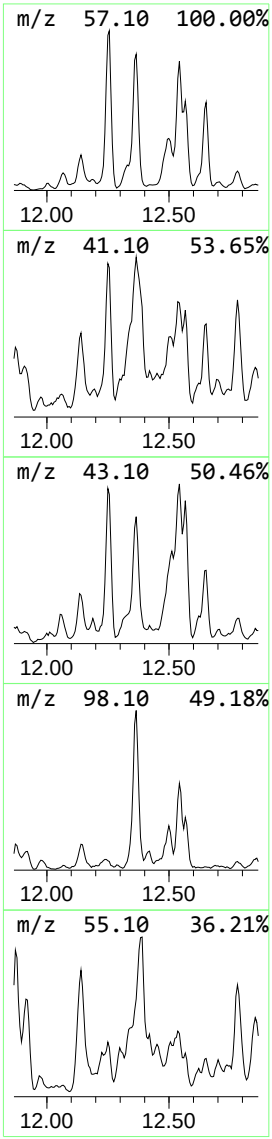
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	327.39 ug/L	1371310	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	76
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	49
3	Acetic acid, trichloro-, nonyl e...	288	C11H19Cl3O2	065611-32-7	46
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	Dodecyl heptyl ether	284	C19H40O	1010406-39-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

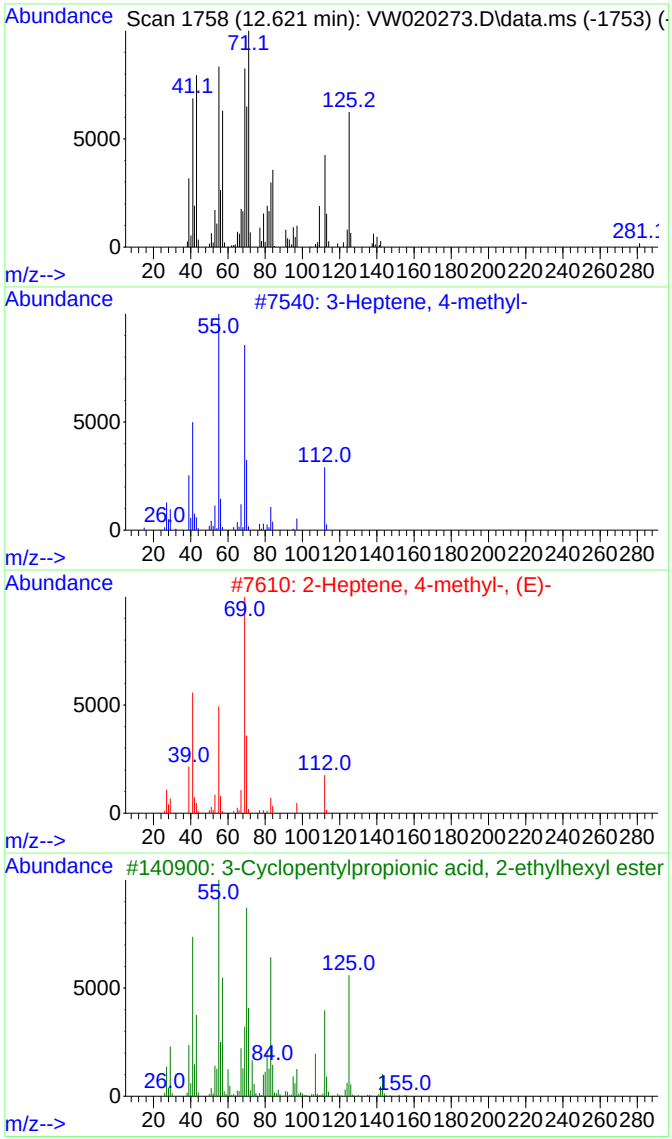
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

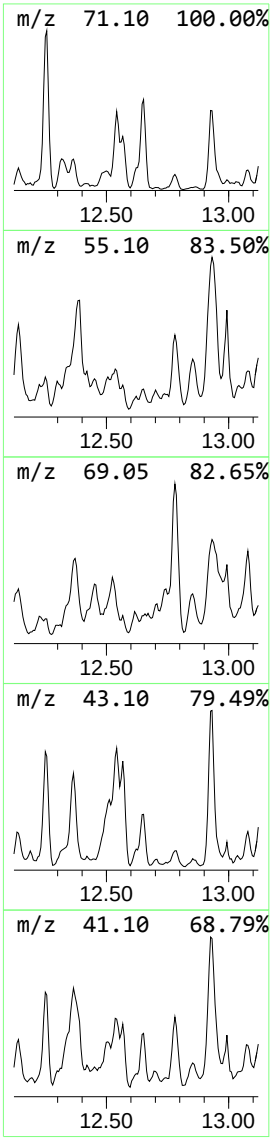
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	10.69 ug/L	83414	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38
2	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
3	3-Cyclopentylpropionic acid, 2-e...	254	C16H30O2	1000293-47-0	38
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	30
5	Formaldehyde, (2-butenyl)methylh...	112	C6H12N2	068661-51-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

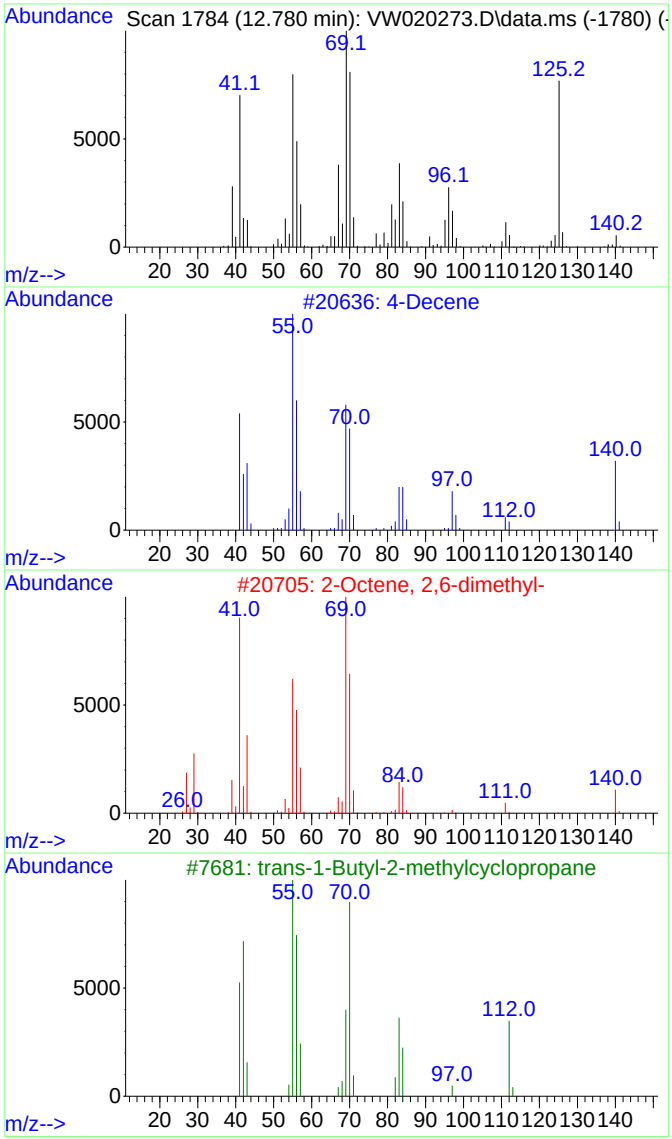
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

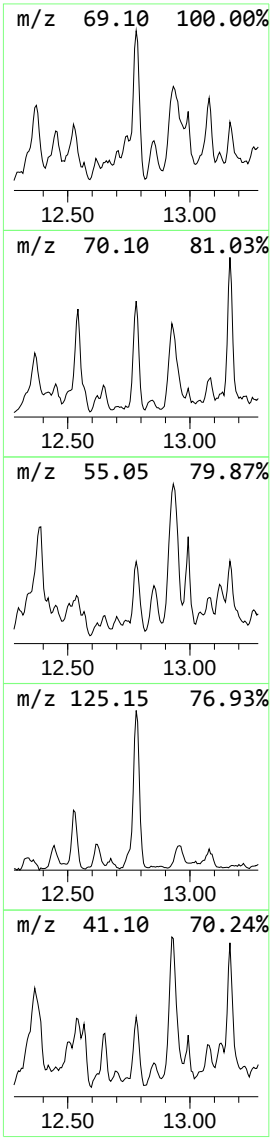
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	63.54 ug/L	495986	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene	140	C10H20	019689-18-0	49
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

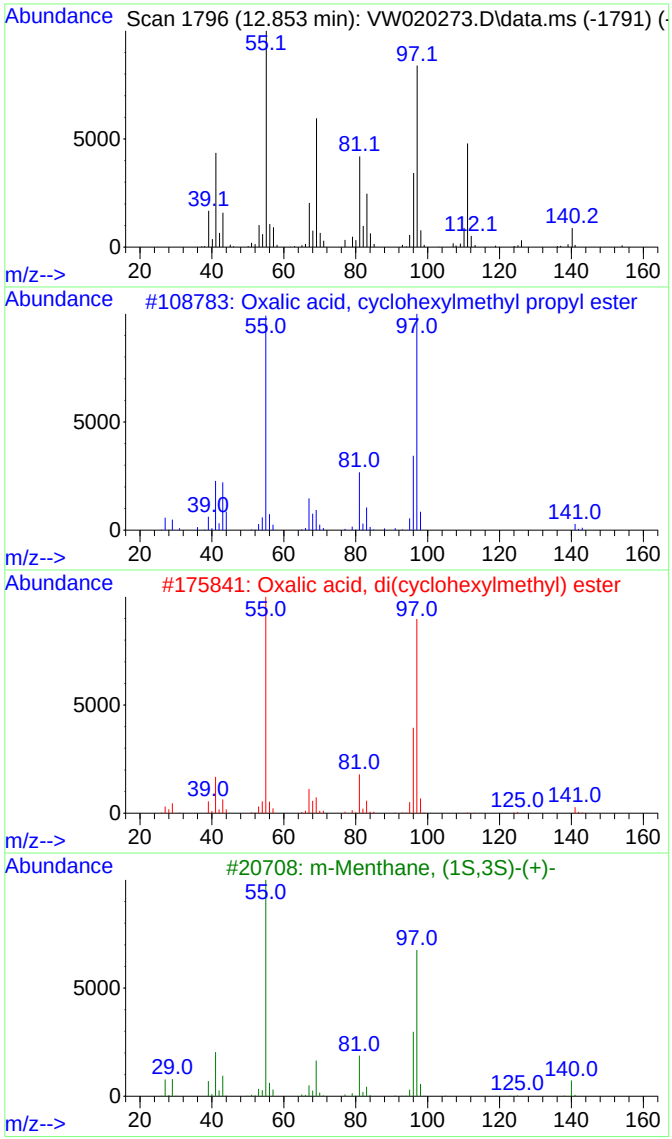
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

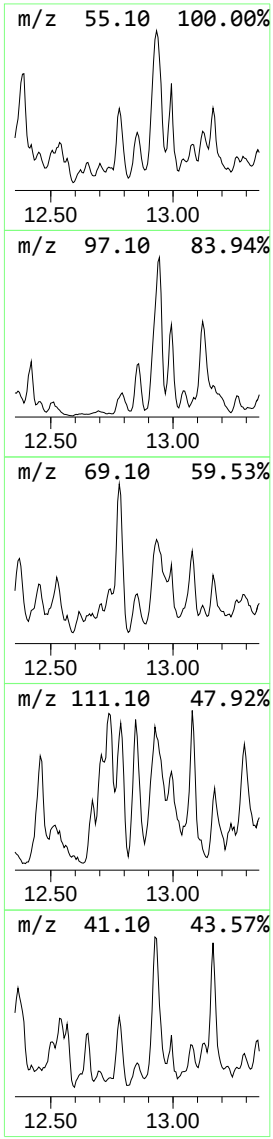
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Oxalic acid, cyclohexylmeth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.853	26.94 ug/L	210314	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	53
2	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	52
3	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	49
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

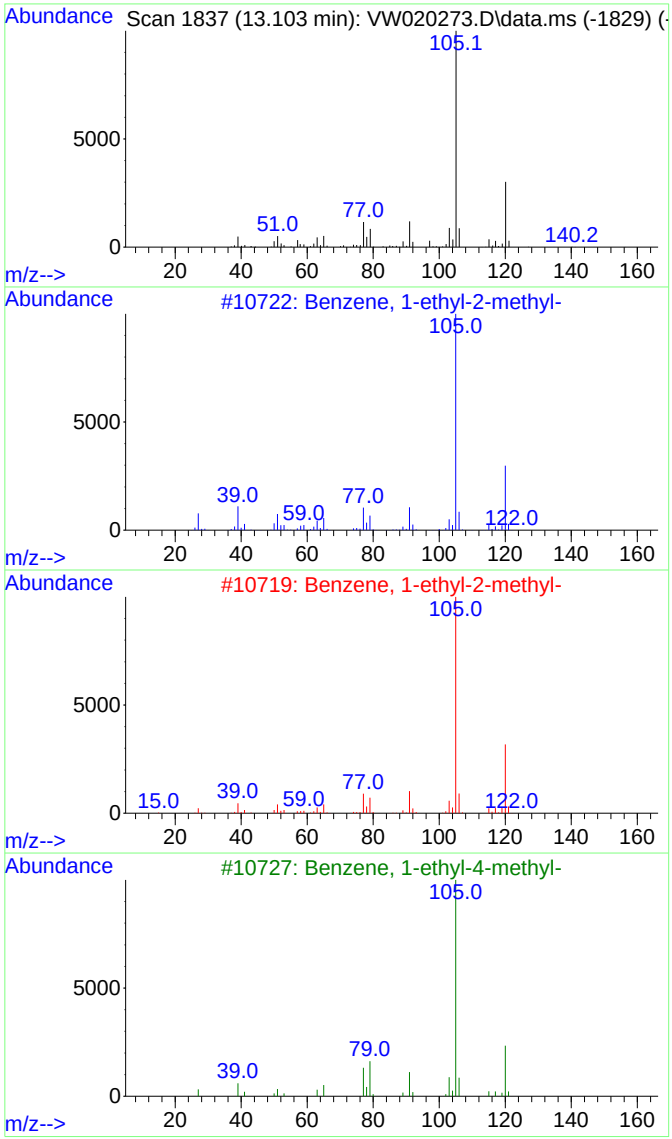
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

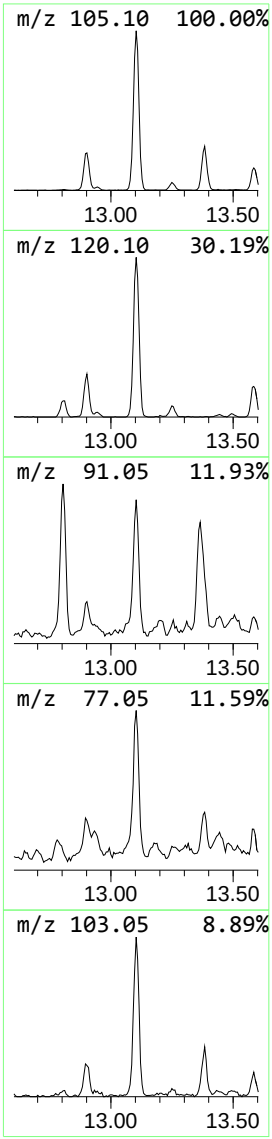
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	95.38 ug/L	744525	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	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

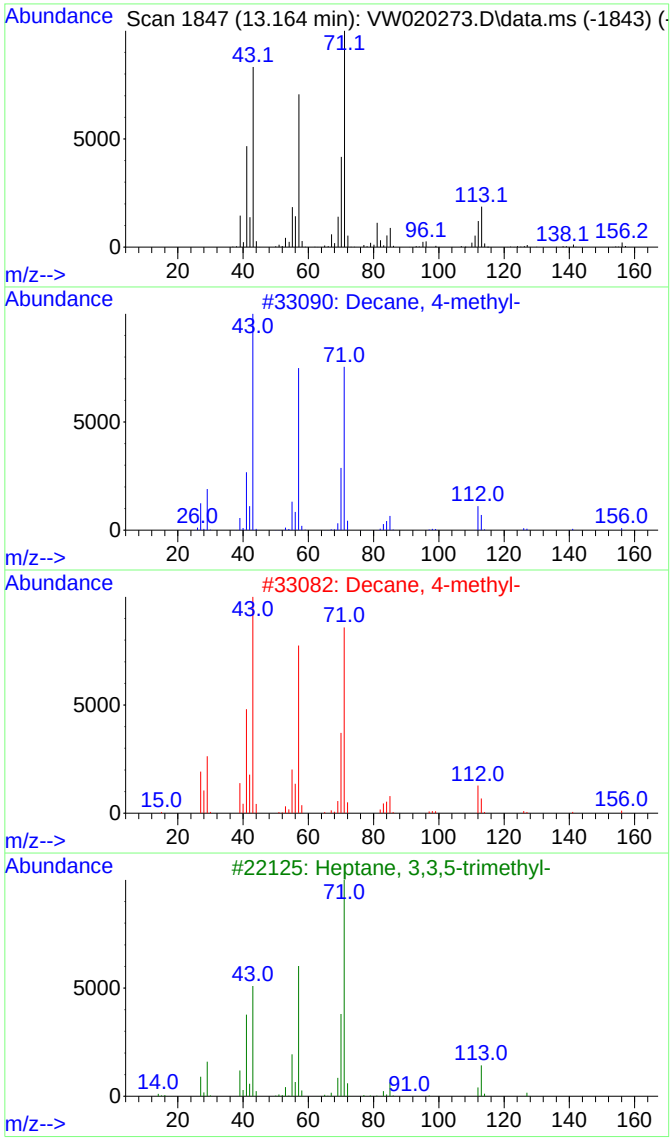
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

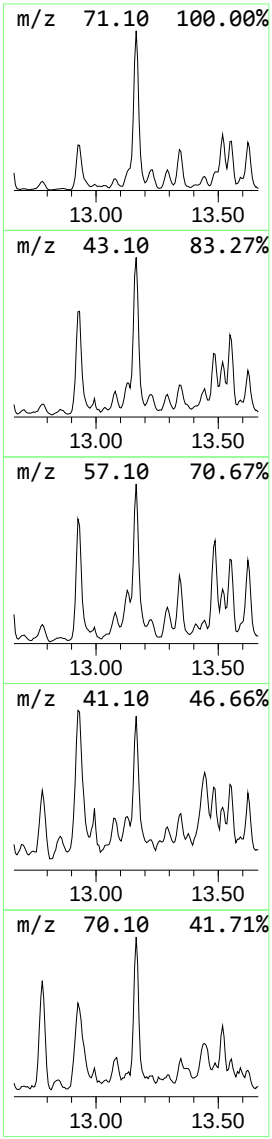
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	89.50 ug/L	698566	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

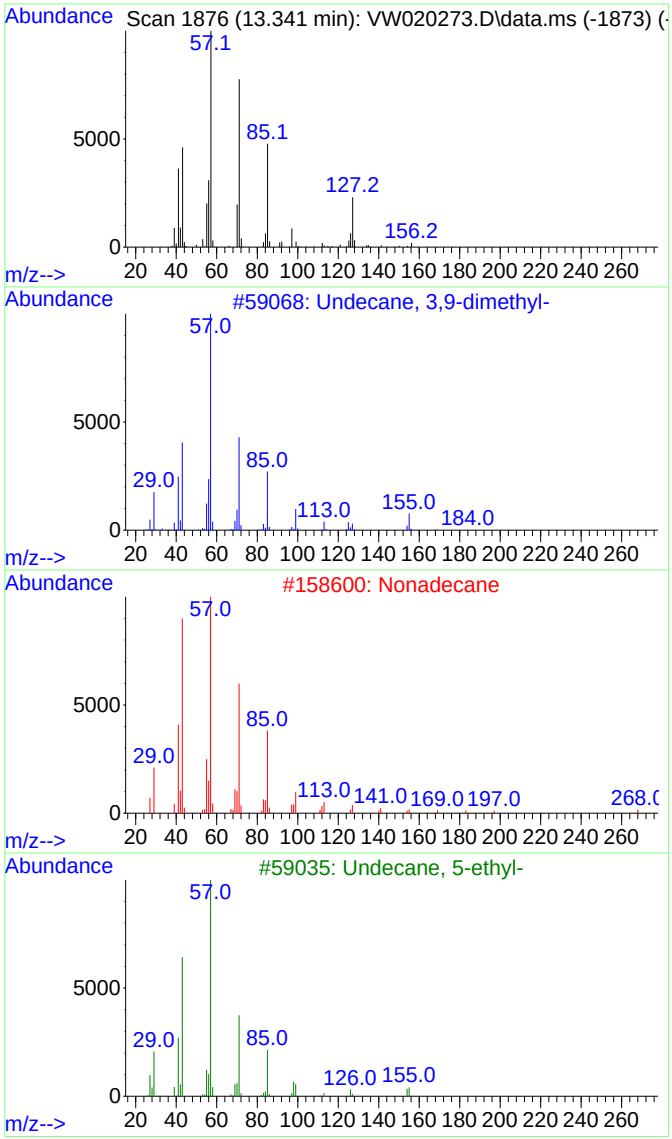
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

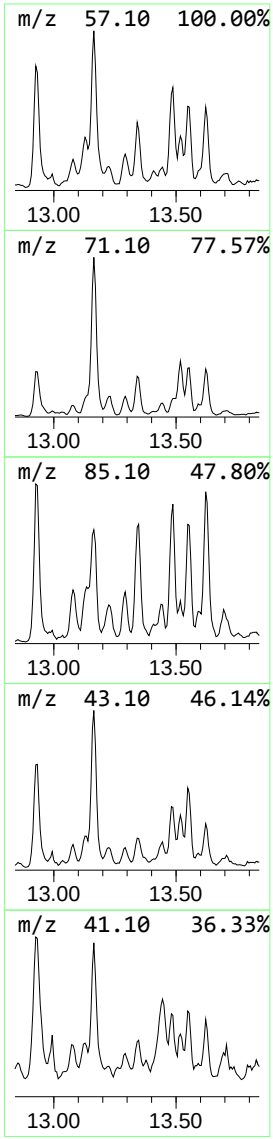
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	18.66 ug/L	145619	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	72
2	Nonadecane	268	C19H40	000629-92-5	64
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

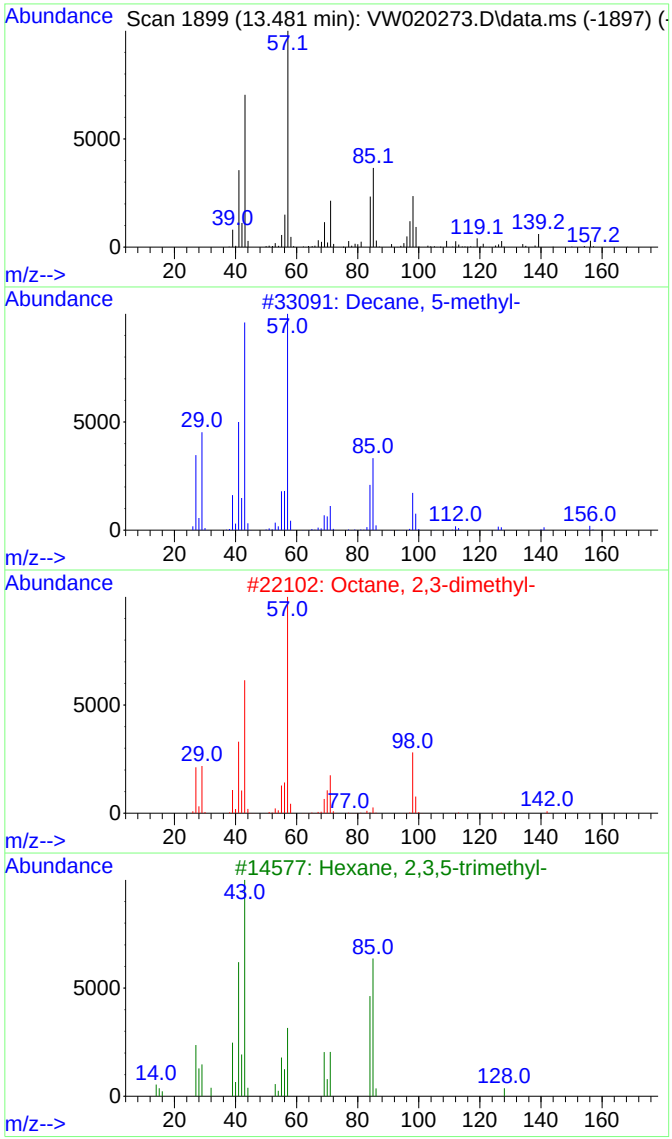
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

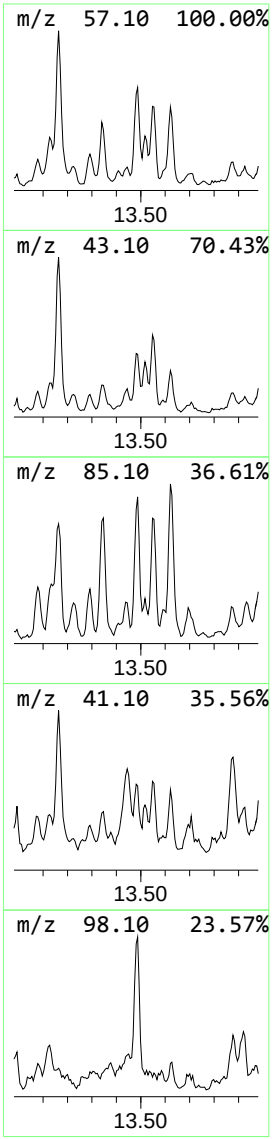
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	22.56 ug/L	176096	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	46
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
4	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	43
5	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

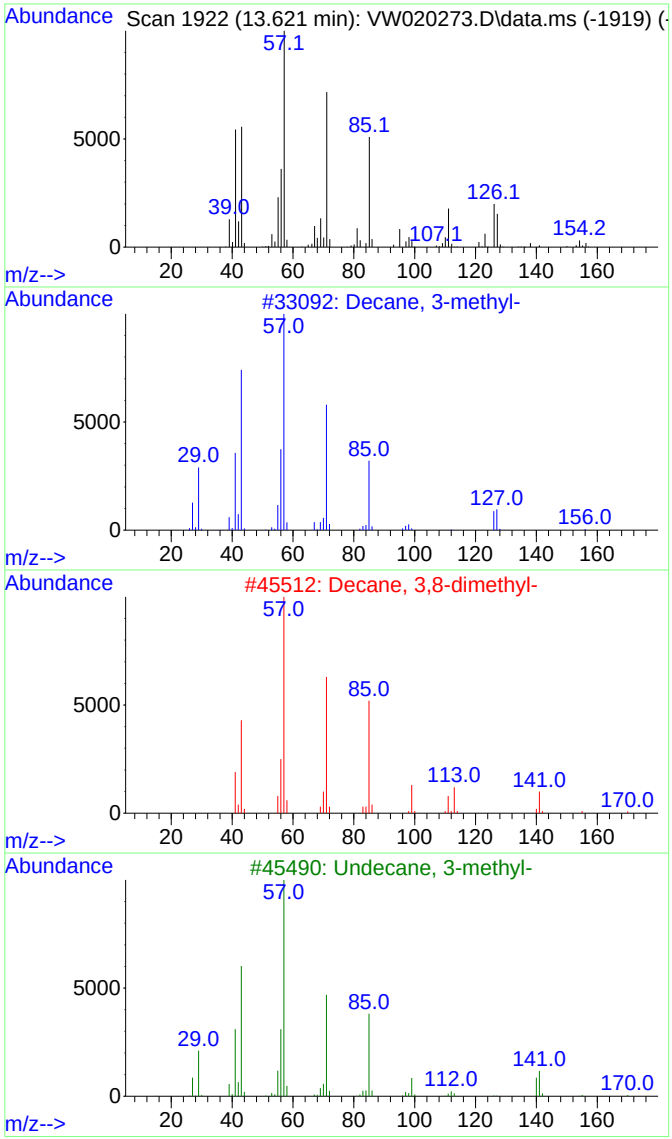
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

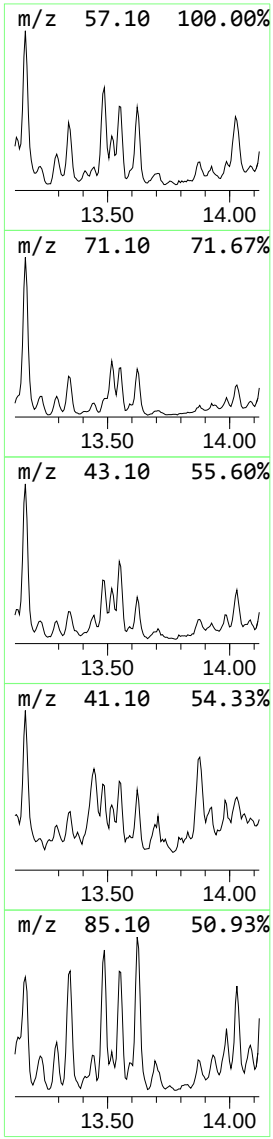
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	30.05 ug/L	234532	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	72
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	49
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

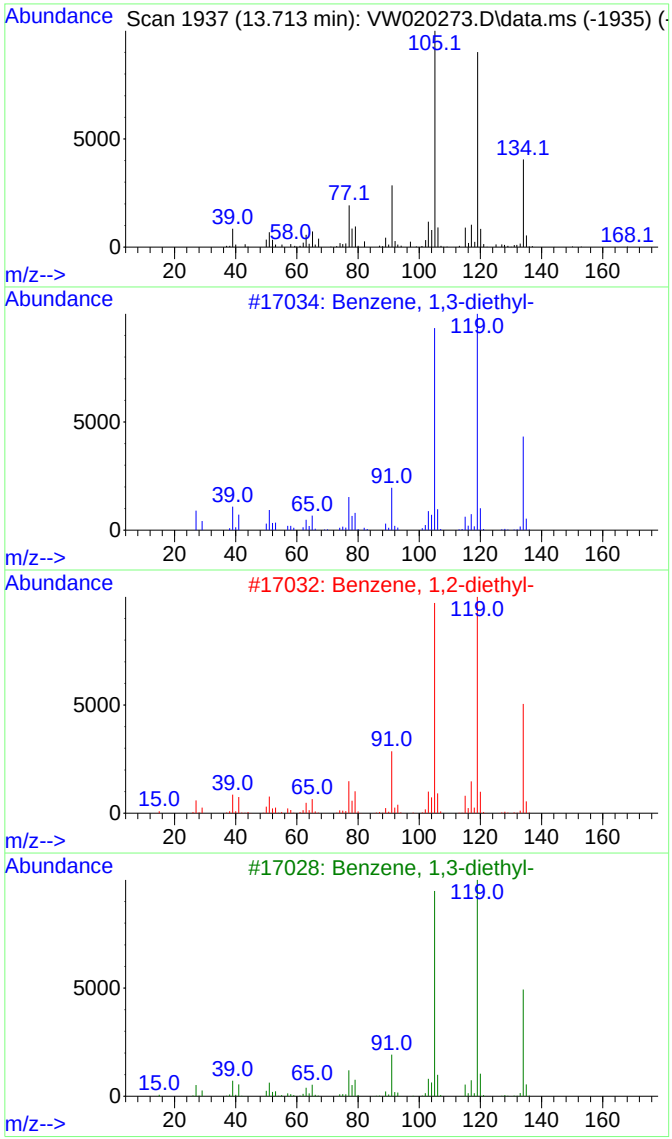
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

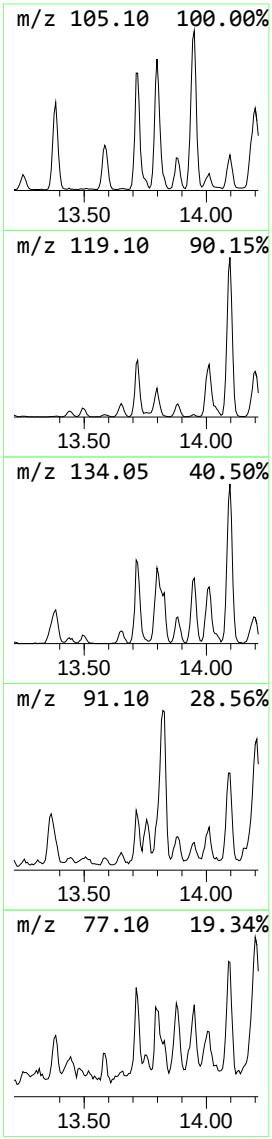
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1,3-diethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	18.76 ug/L	146417	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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

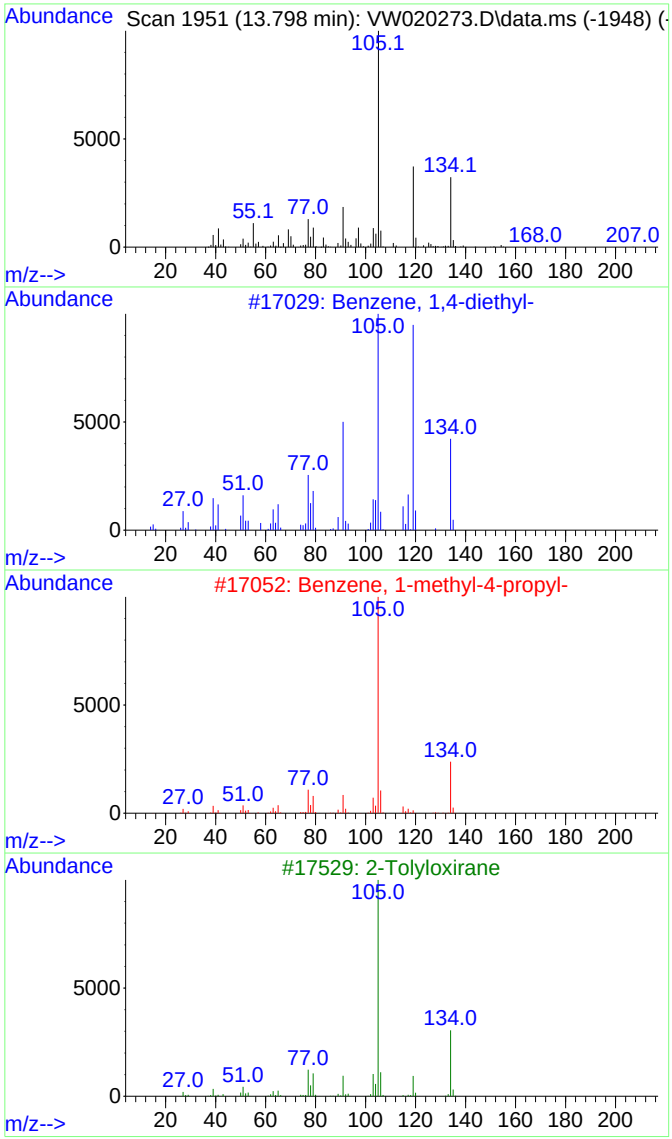
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

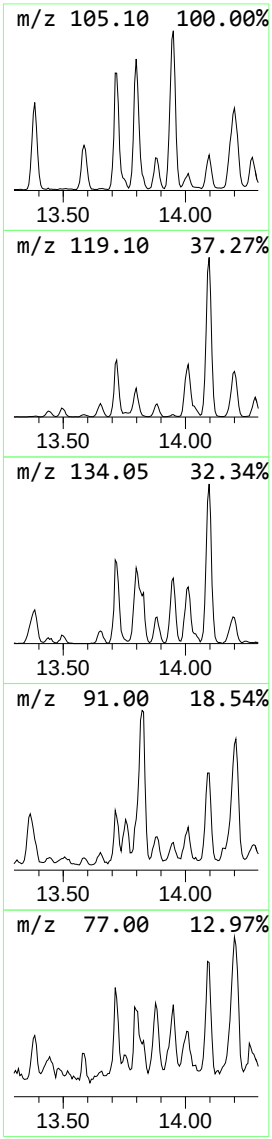
****

Peak Number 51 Benzene, 1,4-diethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	30.50 ug/L	238049	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	72
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	60
3	2-Tolyloxirane	134	C9H10O	002783-26-8	53
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

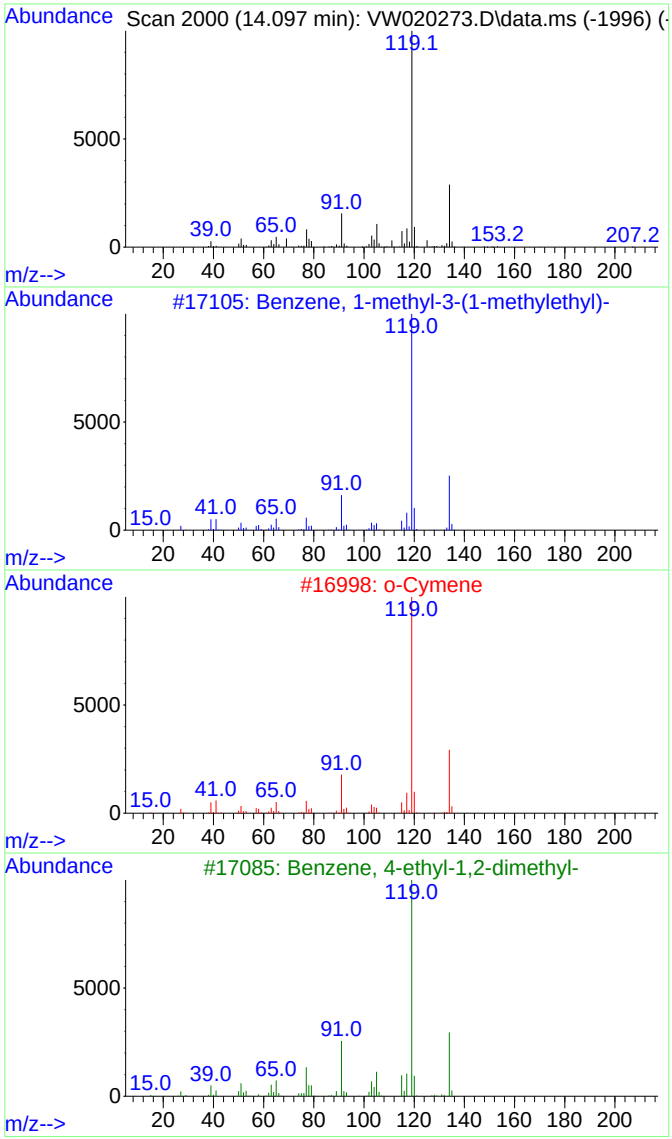
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

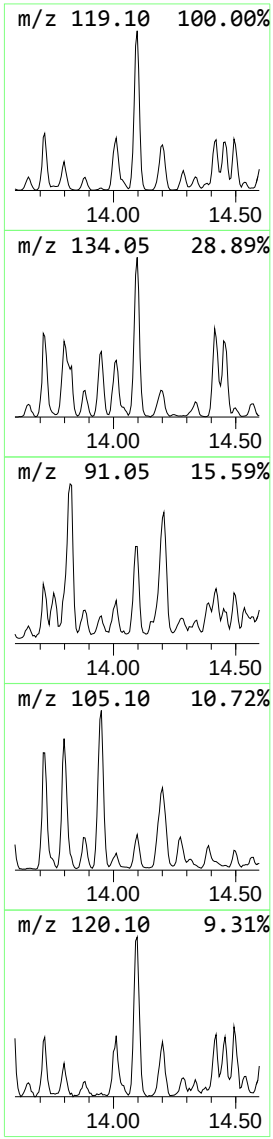
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1-methyl-3-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	40.43 ug/L	315550	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

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

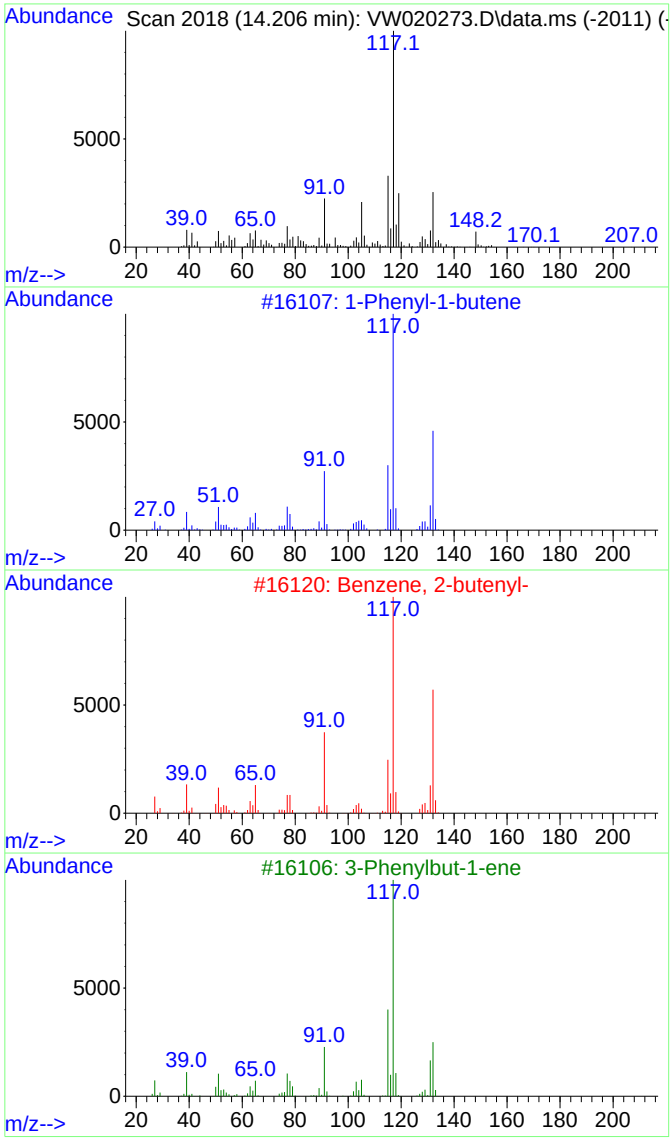
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

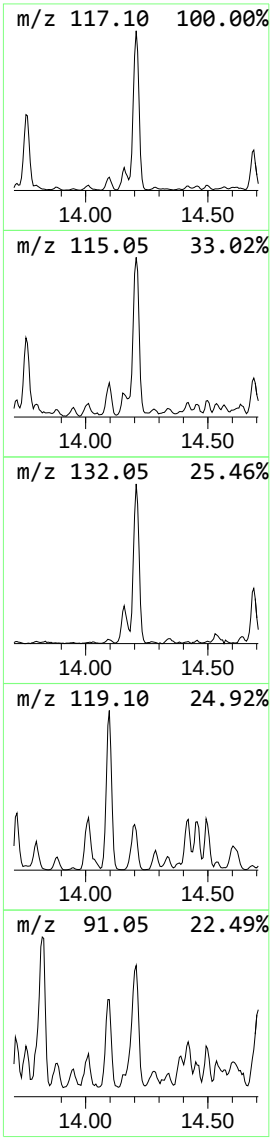
****

Peak Number 53 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	117.77 ug/L	919273	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	70
5	Indan, 1-methyl-	132	C10H12	000767-58-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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

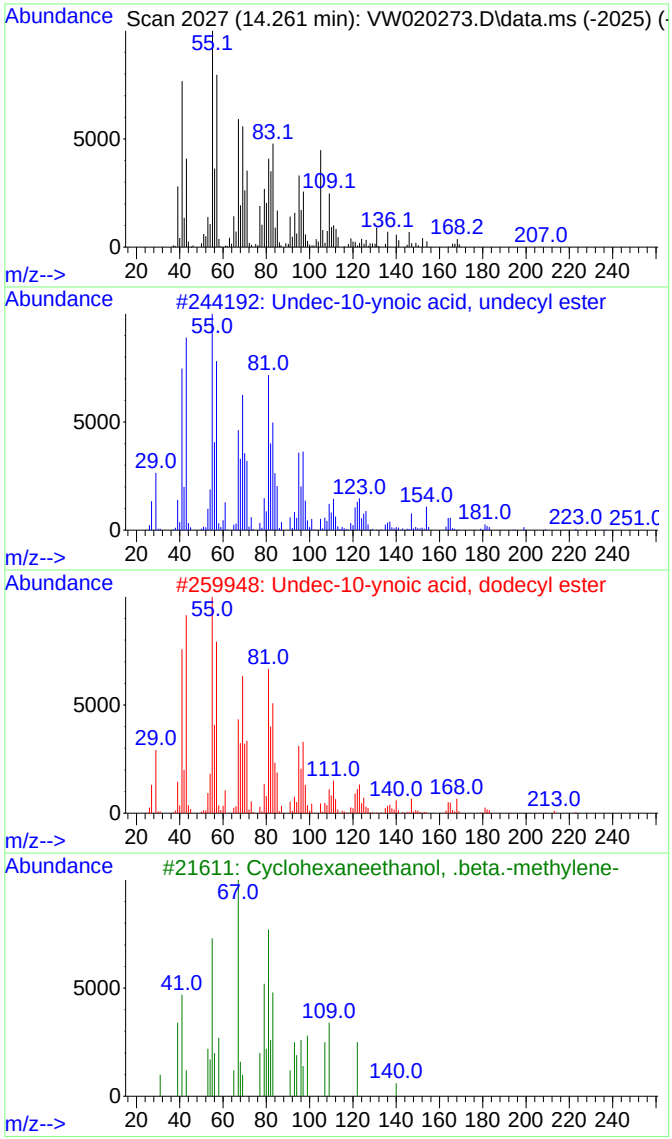
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

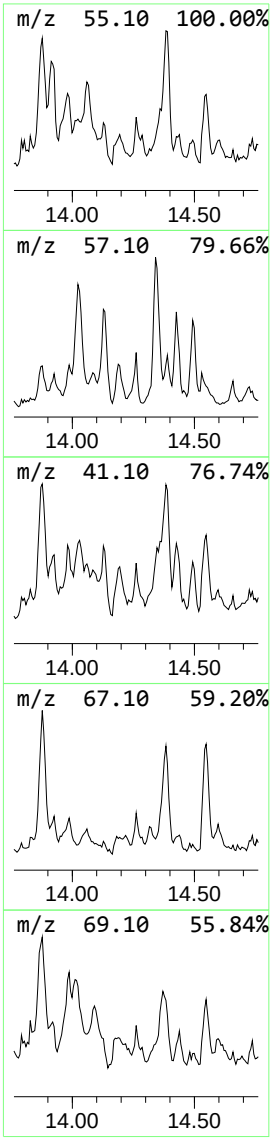
****

Peak Number 54 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	23.87 ug/L	186302	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undec-10-ynoic acid, undecyl ester	336	C22H40O2	1000406-16-4	49
2	Undec-10-ynoic acid, dodecyl ester	350	C23H42O2	1010406-16-5	49
3	Cyclohexaneethanol, .beta.-methy...	140	C9H16O	007697-55-4	45
4	Cyclohexanol, 5-methyl-2-(1-meth...	154	C10H18O	007786-67-6	38
5	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

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

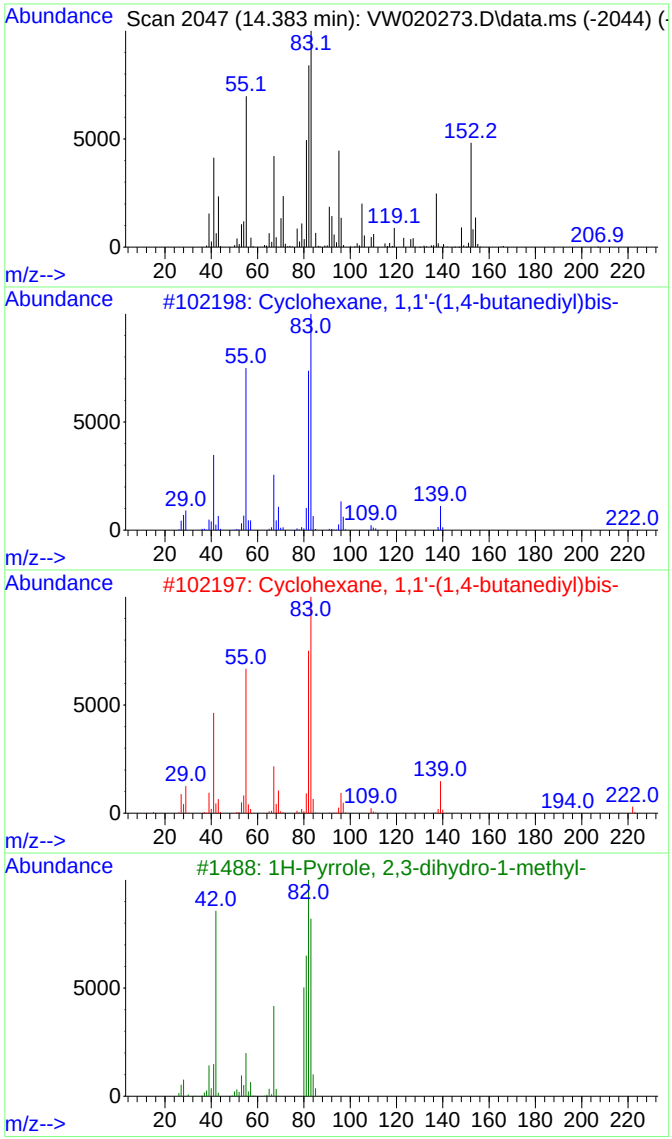
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

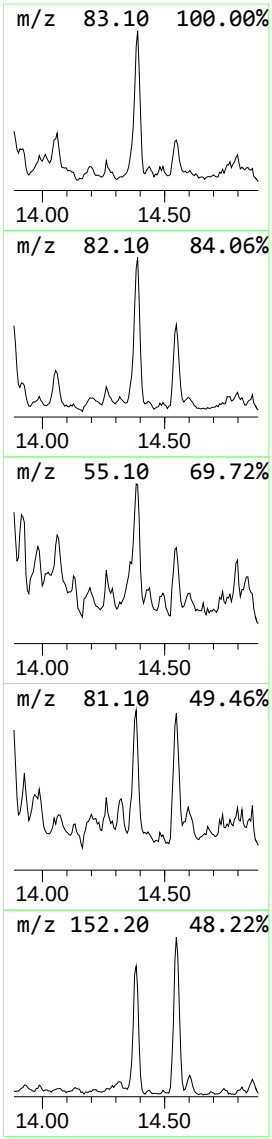
****

Peak Number 55 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	50.69 ug/L	395650	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	43
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	43
3	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

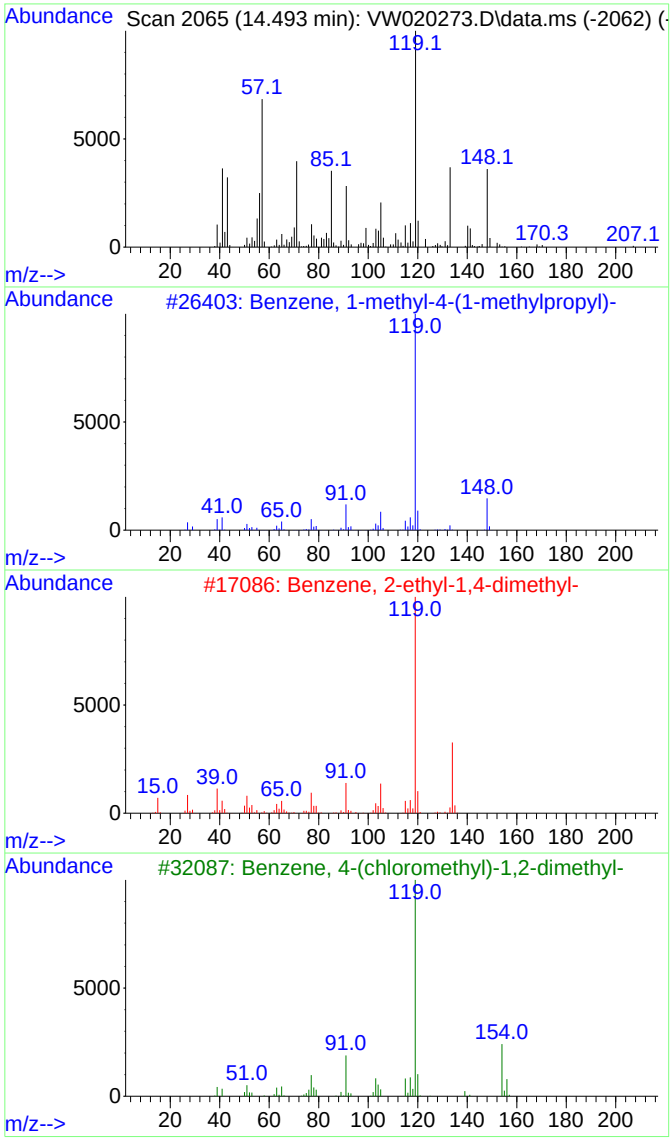
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

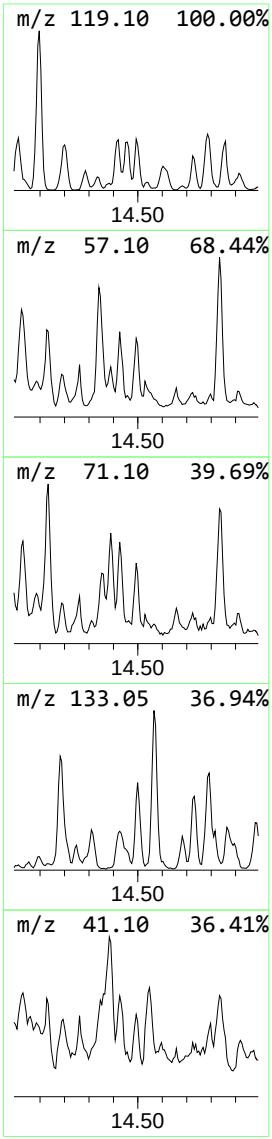
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1-methyl-4-(1-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	30.21 ug/L	235784	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
3	Benzene, 4-(chloromethyl)-1,2-di...	154	C9H11Cl	000102-46-5	38
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

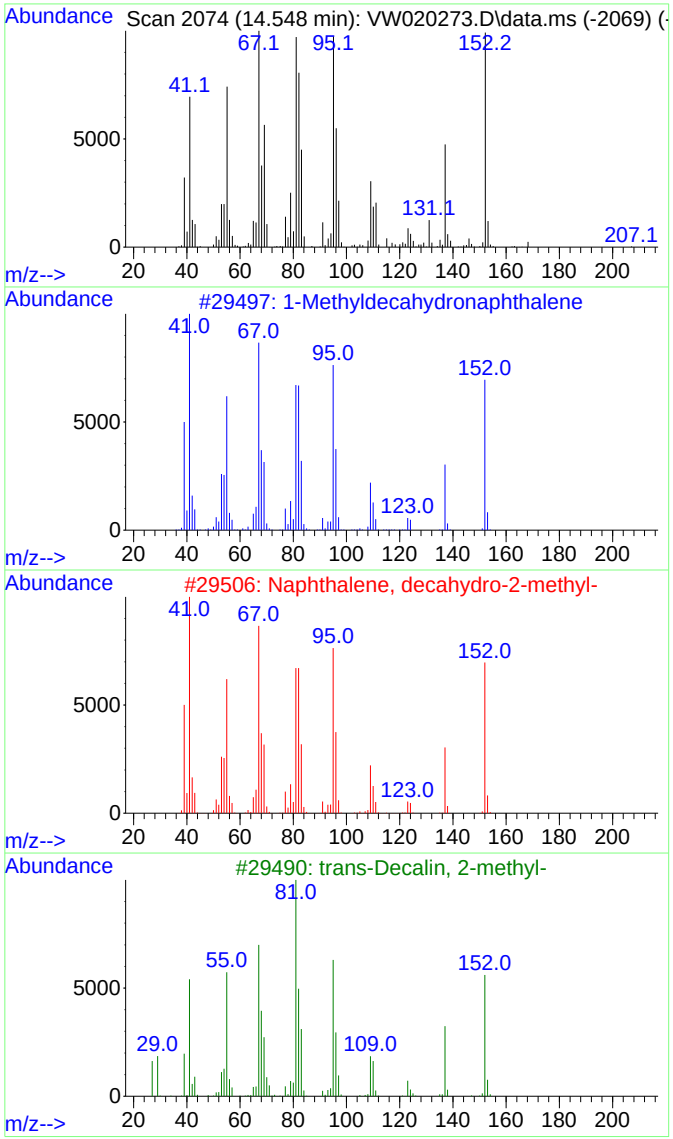
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

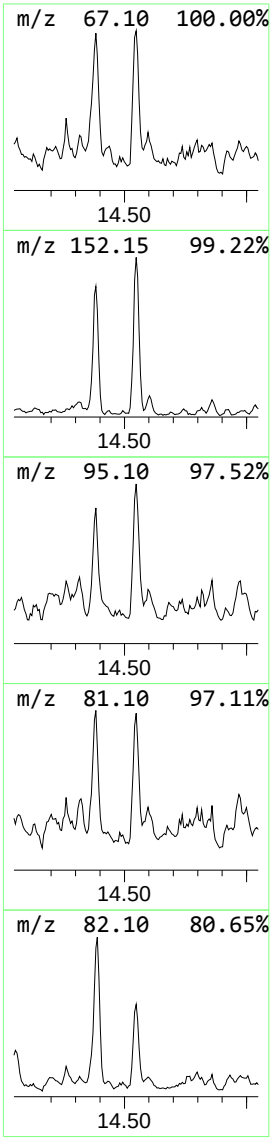
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 1-Methyldecahydronaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	76.44 ug/L	596682	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

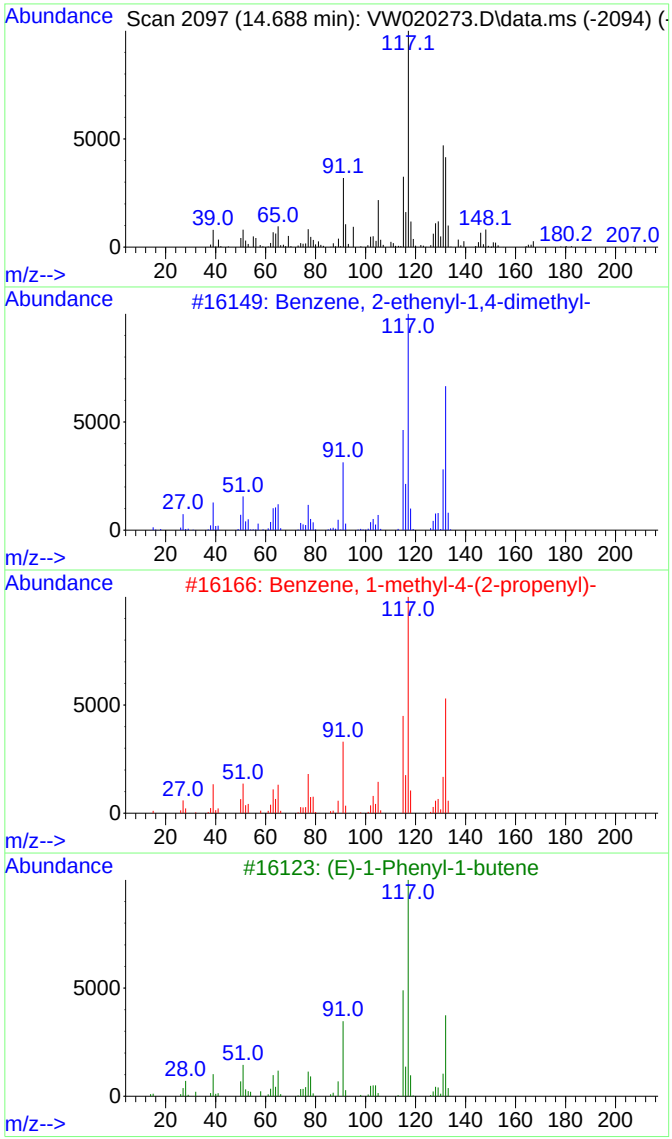
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

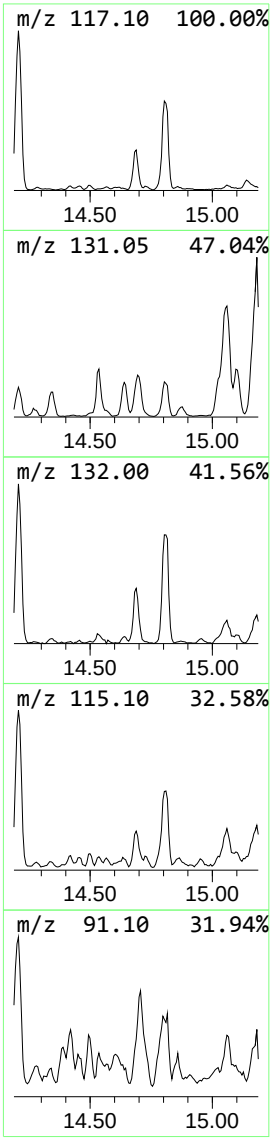
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	25.24 ug/L	197002	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	87
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	68
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	62
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

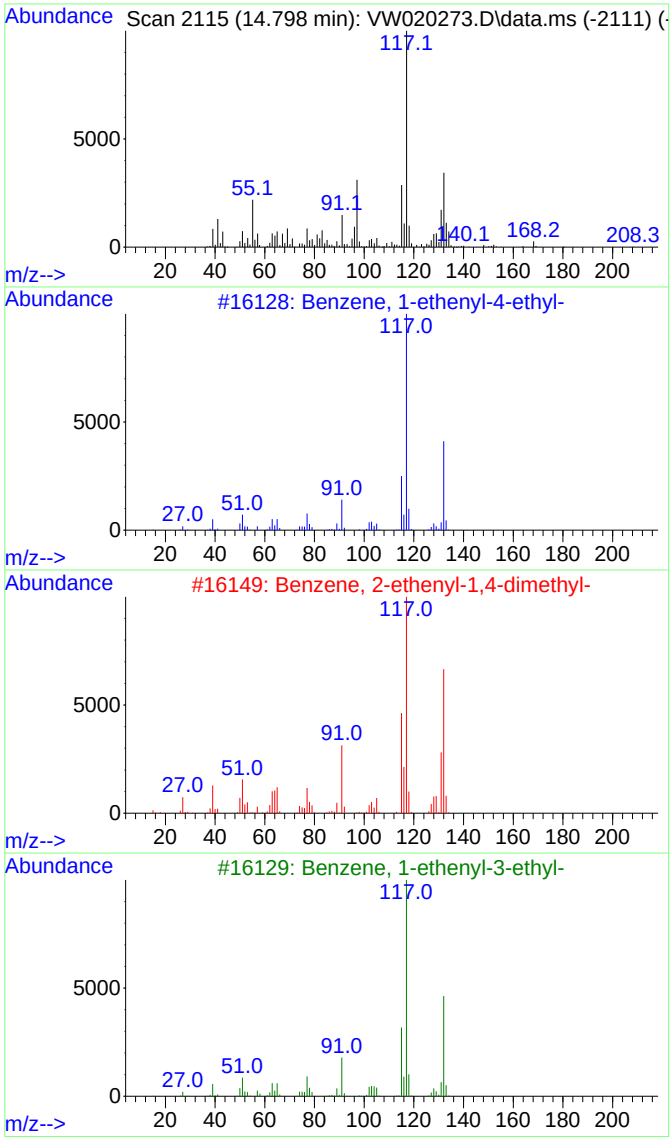
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

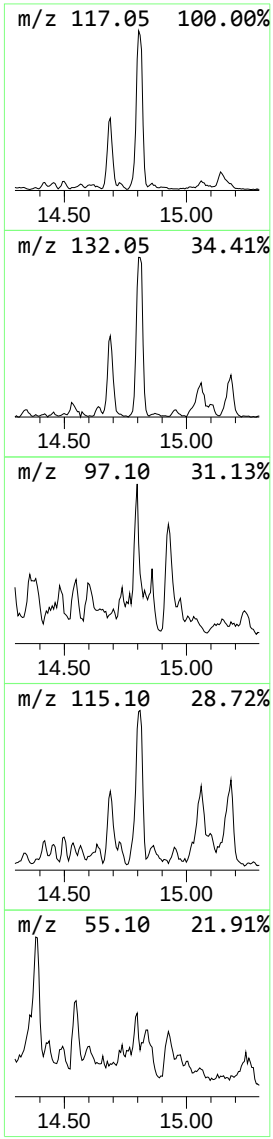
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	45.34 ug/L	353902	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

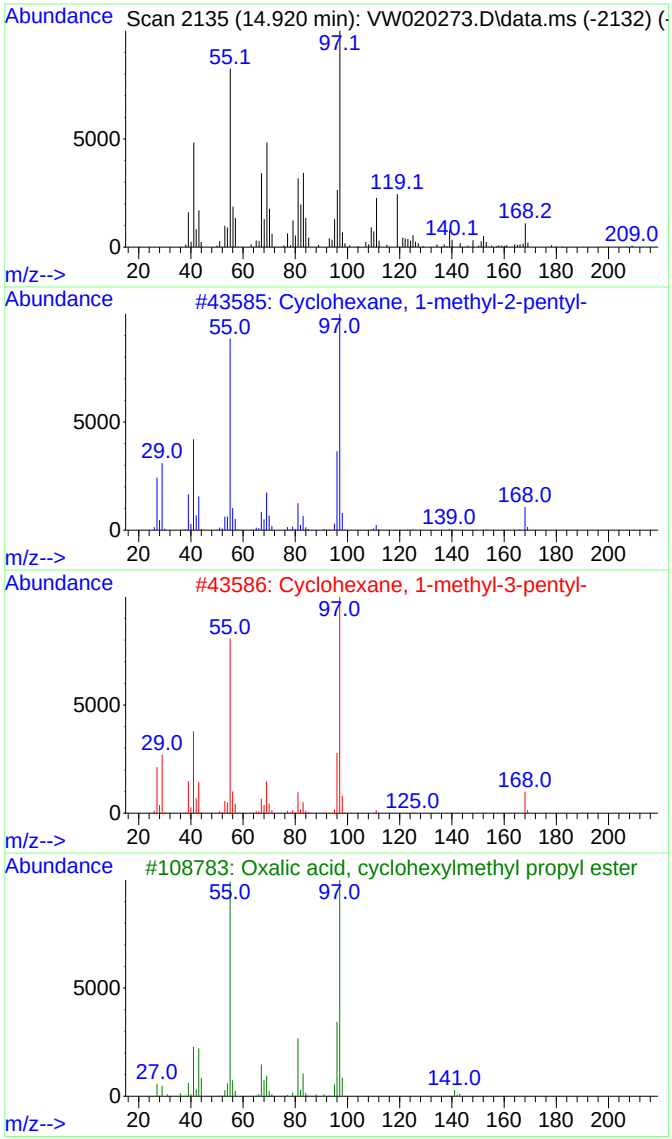
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

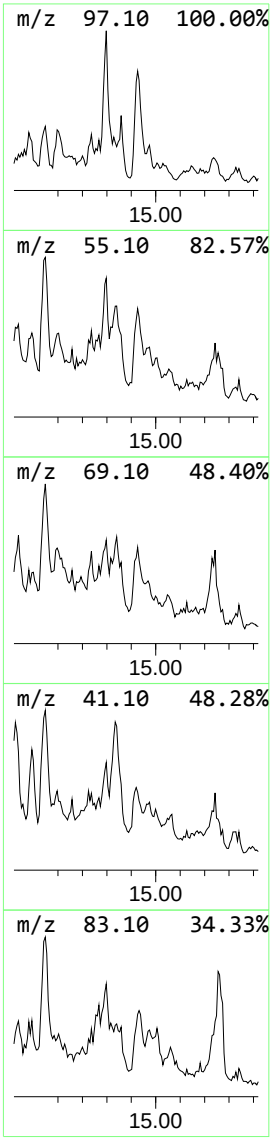
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Cyclic14.920 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.920	19.29 ug/L	150562	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	46
2	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	46
3	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	43
4	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	38
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE

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

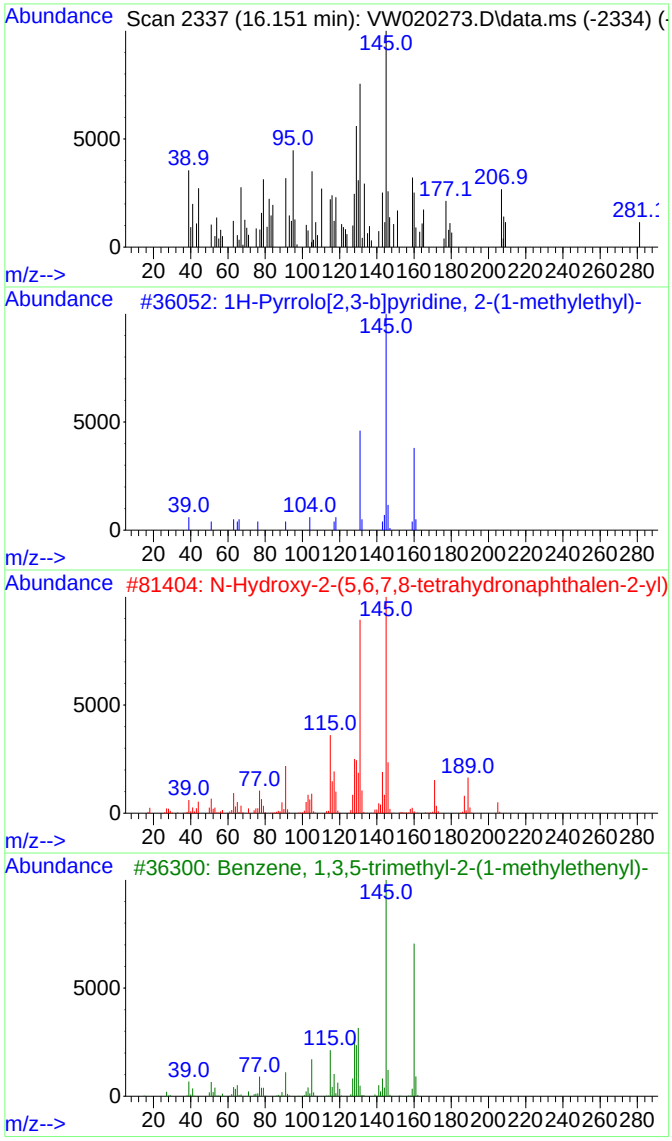
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

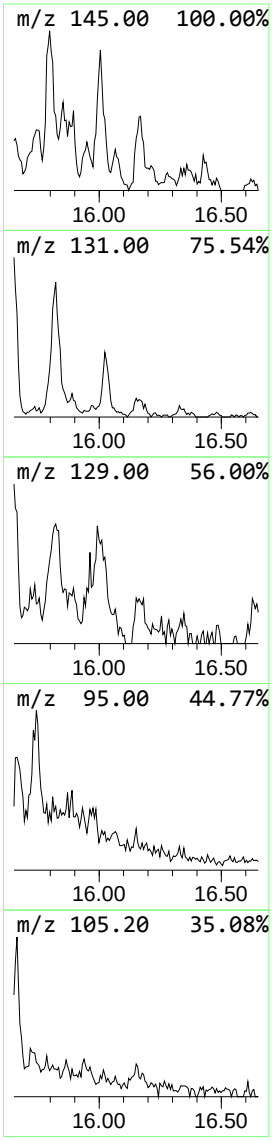
****

Peak Number 61 unknown-05 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.151	4.49 ug/L	35019	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	32
2	N-Hydroxy-2-(5,6,7,8-tetrahydron...	205	C12H15NO2	1063724-00-4	32
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	30
4	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	001198-20-5	30
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

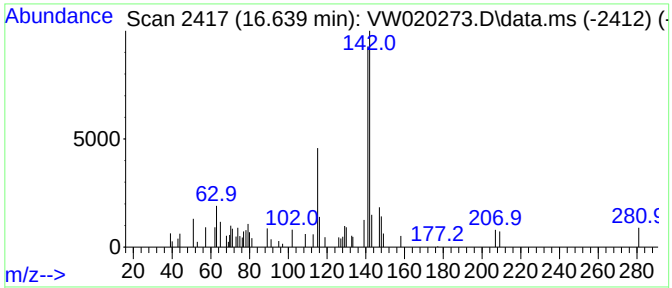
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

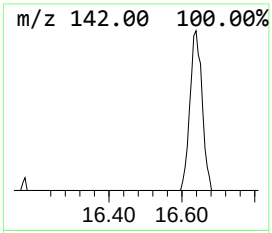
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

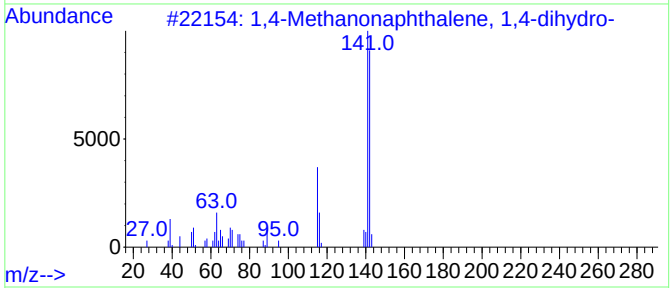
****
Peak Number 62 1,4-Methanonaphthalene, 1,4... Concentration Rank 58

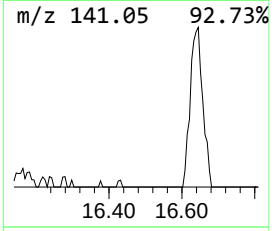
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	3.03 ug/L	23639	1,4-Dichlorobenzene-d4	13.560

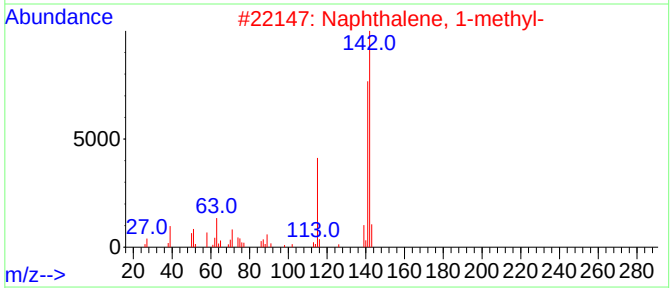
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	80

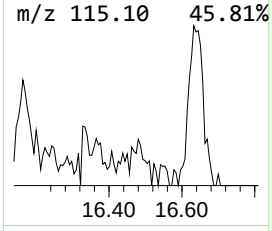


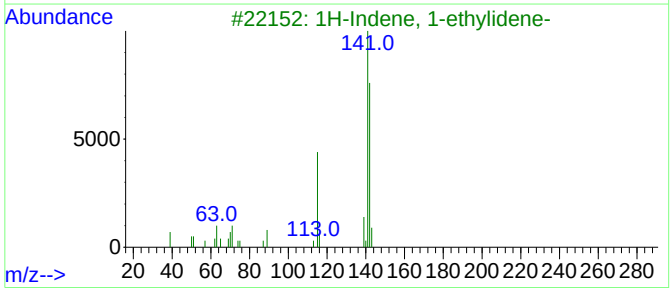


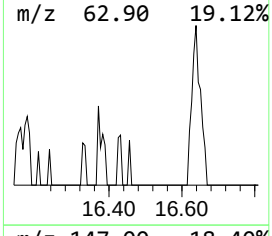


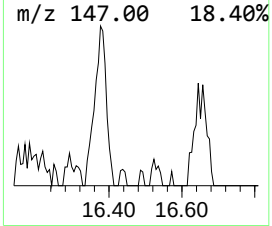












Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
Data File : VW020273.D
Acq On : 30 Sep 2021 16:29
Operator : SY/VA
Sample : M3973-21RE
Misc : 6.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y5RE

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...	4.976	2.5	ug/L	9357	1	8.848	94960	25.0
(DEL) Alkane: S...	5.458	8.3	ug/L	31471	1	8.848	94960	25.0
(DEL) Alkane: S...	5.958	9.2	ug/L	34803	1	8.848	94960	25.0
(DEL) Alkane: S...	6.885	1.5	ug/L	5679	1	8.848	94960	25.0
(DEL) Alkane: C...	6.994	16.4	ug/L	62156	1	8.848	94960	25.0
(DEL) Alkane: S...	8.037	12.2	ug/L	46373	1	8.848	94960	25.0
(DEL) Alkane: S...	8.165	30.6	ug/L	116140	1	8.848	94960	25.0
unknown-01	8.226	2.7	ug/L	10143	1	8.848	94960	25.0
(DEL) Alkane: C...	8.439	27.0	ug/L	102434	1	8.848	94960	25.0
(DEL) Alkane: C...	8.512	19.1	ug/L	72684	1	8.848	94960	25.0
(DEL) Alkane: C...	8.579	38.2	ug/L	145032	1	8.848	94960	25.0
(DEL) Alkane: S...	8.701	41.4	ug/L	157337	1	8.848	94960	25.0
Furan, 2,5-dihy...	9.073	1.5	ug/L	5693	1	8.848	94960	25.0
2-Pentyne, 4,4-...	9.122	5.6	ug/L	21199	1	8.848	94960	25.0
(DEL) Alkane: C...	9.524	19.7	ug/L	74897	1	8.848	94960	25.0
(DEL) Alkane: C...	9.610	31.3	ug/L	118981	1	8.848	94960	25.0
Cyclohexene, 4-...	9.689	3.9	ug/L	14776	1	8.848	94960	25.0
(DEL) Alkane: C...	9.756	44.4	ug/L	168689	1	8.848	94960	25.0
1,3-Pentadiene,...	9.860	5.5	ug/L	20708	1	8.848	94960	25.0
(DEL) Alkane: S...	9.896	12.4	ug/L	47206	1	8.848	94960	25.0
(DEL) Alkane: S...	9.963	68.7	ug/L	261047	1	8.848	94960	25.0
(DEL) Alkane: S...	10.097	67.2	ug/L	255188	1	8.848	94960	25.0
Cyclohexene, 1-...	10.207	19.6	ug/L	74373	1	8.848	94960	25.0
(DEL) Alkane: S...	10.238	8.7	ug/L	32863	1	8.848	94960	25.0
(DEL) Alkane: C...	10.451	12.1	ug/L	50469	2	11.634	104715	25.0
(DEL) Alkane: C...	10.506	82.3	ug/L	344543	2	11.634	104715	25.0
(DEL) Alkane: C...	10.670	57.5	ug/L	240983	2	11.634	104715	25.0
(DEL) Alkane: C...	10.762	77.6	ug/L	325182	2	11.634	104715	25.0
(DEL) Alkane: S...	10.847	20.7	ug/L	86802	2	11.634	104715	25.0
(DEL) Alkane: S...	11.036	66.9	ug/L	280294	2	11.634	104715	25.0
(DEL) Alkane: C...	11.109	31.9	ug/L	133830	2	11.634	104715	25.0
(DEL) Alkane: C...	11.146	9.9	ug/L	41612	2	11.634	104715	25.0
(DEL) Alkane: C...	11.182	69.8	ug/L	292189	2	11.634	104715	25.0
(DEL) Alkane: C...	11.231	144.0	ug/L	603190	2	11.634	104715	25.0
unknown-02	11.286	17.3	ug/L	72418	2	11.634	104715	25.0
(DEL) Alkane: S...	11.335	61.0	ug/L	255280	2	11.634	104715	25.0
(DEL) Alkane: S...	11.414	85.8	ug/L	359219	2	11.634	104715	25.0
(DEL) Alkane: S...	11.512	95.5	ug/L	400007	2	11.634	104715	25.0
(DEL) Alkane: C...	11.975	16.2	ug/L	67760	2	11.634	104715	25.0
(DEL) Alkane: S...	12.249	102.6	ug/L	429874	2	11.634	104715	25.0
(DEL) Alkane: S...	12.365	327.4	ug/L	1371310	2	11.634	104715	25.0
(DEL) Alkane: S...	12.621	10.7	ug/L	83414	3	13.560	195138	25.0
(DEL) Alkane: S...	12.780	63.5	ug/L	495986	3	13.560	195138	25.0
Oxalic acid, cy...	12.853	26.9	ug/L	210314	3	13.560	195138	25.0
Benzene, 1-ethy...	13.103	95.4	ug/L	744525	3	13.560	195138	25.0
(DEL) Alkane: S...	13.164	89.5	ug/L	698566	3	13.560	195138	25.0
(DEL) Alkane: S...	13.341	18.7	ug/L	145619	3	13.560	195138	25.0
(DEL) Alkane: S...	13.481	22.6	ug/L	176096	3	13.560	195138	25.0
(DEL) Alkane: S...	13.621	30.1	ug/L	234532	3	13.560	195138	25.0
Benzene, 1,3-di...	13.713	18.8	ug/L	146417	3	13.560	195138	25.0
Benzene, 1,4-di...	13.798	30.5	ug/L	238049	3	13.560	195138	25.0
Benzene, 1-meth...	14.097	40.4	ug/L	315550	3	13.560	195138	25.0

1-Phenyl-1-butene	14.206	117.8	ug/L	919273	3	13.560	195138	25.0
unknown-03	14.261	23.9	ug/L	186302	3	13.560	195138	25.0
unknown-04	14.383	50.7	ug/L	395650	3	13.560	195138	25.0
Benzene, 1-meth...	14.493	30.2	ug/L	235784	3	13.560	195138	25.0
1-Methyldecahyd...	14.548	76.4	ug/L	596682	3	13.560	195138	25.0
Benzene, 2-ethe...	14.688	25.2	ug/L	197002	3	13.560	195138	25.0
Benzene, 1-ethe...	14.798	45.3	ug/L	353902	3	13.560	195138	25.0
(DEL) Alkane: C...	14.920	19.3	ug/L	150562	3	13.560	195138	25.0
unknown-05	16.151	4.5	ug/L	35019	3	13.560	195138	25.0
1,4-Methanonaph...	16.639	3.0	ug/L	23639	3	13.560	195138	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW8Y5RE