LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

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\SFAMWLM082624SMA.M
Title : SFAM01.0

Signal : TIC: VW030073.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	72	78	93	rBV	38853	101394	15.43%	1.783%
2	2.497	96	100	110	rVV2	7411	15620	2.38%	0.275%
3	2.893	159	165	182	rVB2	29106	87721	13.35%	1.543%
4	3.314	229	234	237	rVB4	666	1090	0.17%	0.019%
5	3.393	240	247	256	rVB	11277	25257	3.84%	0.444%
6	3.680	292	294	295	rVB	303	178	0.03%	0.003%
7	3.710	295	299	300	rBV2	374	465	0.07%	0.008%
8	3.820	314	317	318	rBV	320	248	0.04%	0.004%
9	3.856	318	323	326	rVV3	339	693	0.11%	0.012%
10	3.911	331	332	337	rVB2	387	327	0.05%	0.006%
11	4.021	339	350	359	rBV	74300	238921	36.35%	4.201%
12	4.118	360	366	378	rVB	67056	180483	27.46%	3.174%
13	4.521	430	432	435	rVB3	184	196	0.03%	0.003%
14	4.551	435	437	440	rBV4	256	237	0.04%	0.004%
15	4.667	448	456	470	rVB	14793	44504	6.77%	0.783%
16	4.917	488	497	512	rVV3	4825	18297	2.78%	0.322%
17	5.130	530	532	534	rBV	150	189	0.03%	0.003%
18	5.795	632	641	651	rBV5	1425	4678	0.71%	0.082%
19	5.941	656	665	677	rVB4	3926	12235	1.86%	0.215%
20	6.106	686	692	693	rBV2	620	912	0.14%	0.016%
21	6.667	782	784	787	rBV2	172	183	0.03%	0.003%
22	6.825	807	810	812	rBV2	203	207	0.03%	0.004%
23	6.898	813	822	832	rBV5	5441	16111	2.45%	0.283%
24	6.990	834	837	843	rVB2	724	1239	0.19%	0.022%
25	7.075	843	851	861	rBV	22363	64582	9.83%	1.136%
26	7.343	893	895	899	rBV2	162	188	0.03%	0.003%
27	7.539	921	927	928	rBV2	303	491	0.07%	0.009%
28	7.648	932	945	959	rBV	119796	279356	42.50%	4.912%
29	7.770	962	965	966	rVV2	721	765	0.12%	0.013%
30	7.880	981	983	985	rBV	183	173	0.03%	0.003%
31	7.947	991	994	998	rBV	195	251	0.04%	0.004%
32	8.276	1038	1048	1065	rVV2	219680	657282	100.00%	11.558%
33	8.447	1073	1076	1079	rVB2	232	207	0.03%	0.004%
34	8.514	1079	1087	1089	rBV5	1366	2456	0.37%	0.043%
35	8.703	1109	1118	1127	rBV	13515	31335	4.77%	0.551%
36	8.782	1129	1131	1132	rBV2	367	323	0.05%	0.006%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

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\SFAMWLM082624SMA.M
Title : SFAM01.0

37	8.843	1132	1141	1153	rBV	243450	487260	74.13%	8.568%
38	8.977	1161	1163	1166	rVB2	353	225	0.03%	0.004%
39	9.038	1168	1173	1183	rVB5	1526	3661	0.56%	0.064%
40	9.160	1191	1193	1199	rBV	191	221	0.03%	0.004%
41	9.215	1199	1202	1203	rBV2	180	213	0.03%	0.004%
42	9.270	1203	1211	1221	rBV	152960	313612	47.71%	5.515%
43	9.404	1227	1233	1244	rVB	41869	80051	12.18%	1.408%
44	9.544	1253	1256	1265	rVB3	997	1861	0.28%	0.033%
45	9.636	1268	1271	1272	rBV	208	239	0.04%	0.004%
46	9.666	1274	1276	1278	rVB2	365	262	0.04%	0.005%
47	9.758	1285	1291	1298	rVB4	480	990	0.15%	0.017%
48	9.886	1308	1312	1316	rVB4	583	1031	0.16%	0.018%
49	10.032	1326	1336	1343	rBV	74279	135020	20.54%	2.374%
50	10.252	1368	1372	1374	rBV4	808	1385	0.21%	0.024%
51	10.325	1374	1384	1390	rVV	249011	463881	70.58%	8.157%
52	10.386	1390	1394	1406	rVB	10986	21868	3.33%	0.385%
53	10.508	1409	1414	1418	rVB6	1581	2716	0.41%	0.048%
54	10.575	1418	1425	1440	rBV	46377	83575	12.72%	1.470%
55	10.697	1440	1445	1447	rBV2	3657	5869	0.89%	0.103%
56	10.733	1448	1451	1461	rVB	10087	17909	2.72%	0.315%
57	10.849	1468	1470	1471	rBV2	486	383	0.06%	0.007%
58	10.922	1475	1482	1496	rBV	92028	159223	24.22%	2.800%
59	11.068	1499	1506	1521	rVV	332491	531070	80.80%	9.339%
60	11.373	1554	1556	1560	rVB2	309	426	0.06%	0.007%
61	11.410	1560	1562	1564	rBV2	229	189	0.03%	0.003%
62	11.465	1566	1571	1578	rVB4	409	917	0.14%	0.016%
63	11.562	1583	1587	1590	rBV3	1551	2499	0.38%	0.044%
64	11.629	1591	1598	1606	rBV	245078	409818	62.35%	7.207%
65	11.837	1626	1632	1641	rBV	14931	32963	5.02%	0.580%
66	11.946	1645	1650	1655	rBV6	3049	4842	0.74%	0.085%
67	12.013	1655	1661	1671	rBV	44080	75567	11.50%	1.329%
68	12.233	1692	1697	1704	rVB2	3365	5834	0.89%	0.103%
69	12.336	1708	1714	1727	rVB2	24538	48467	7.37%	0.852%
70	12.465	1729	1735	1741	rBV	73300	126256	19.21%	2.220%
71	12.599	1753	1757	1764	rVB2	4257	7588	1.15%	0.133%
72	12.690	1764	1772	1785	rVV2	92442	193905	29.50%	3.410%
73	12.806	1789	1791	1794	rVB3	633	627	0.10%	0.011%
74	12.928	1801	1811	1819	rBV5	5659	14708	2.24%	0.259%
75	13.044	1823	1830	1832	rBV4	1968	3946	0.60%	0.069%
76	13.092	1833	1838	1843	rBV4	6650	12159	1.85%	0.214%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

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\SFAMWLM082624SMA.M
Title : SFAM01.0

77	13.153	1843	1848	1852	rBV2	7861	11407	1.74%	0.201%
78	13.208	1853	1857	1861	rBV	8460	11326	1.72%	0.199%
79	13.391	1877	1887	1893	rBV2	24614	43817	6.67%	0.771%
80	13.464	1893	1899	1902	rBV	58344	103796	15.79%	1.825%
81	13.556	1908	1914	1920	rBV	126297	204751	31.15%	3.601%
82	13.702	1936	1938	1941	rBV4	573	619	0.09%	0.011%
83	13.848	1956	1962	1974	rVB	81821	141178	21.48%	2.483%
84	14.007	1981	1988	1993	rBV6	5356	13674	2.08%	0.240%
85	14.068	1993	1998	2006	rVB3	17593	31353	4.77%	0.551%
86	14.318	2034	2039	2047	rBV2	14501	21855	3.33%	0.384%
87	14.489	2064	2067	2069	rBV2	511	654	0.10%	0.012%
88	14.610	2083	2087	2092	rBV4	1153	2078	0.32%	0.037%
89	14.684	2094	2099	2111	rVB2	10213	19166	2.92%	0.337%
90	14.769	2111	2113	2114	rBV2	468	333	0.05%	0.006%
91	14.867	2125	2129	2135	rVB3	1007	1795	0.27%	0.032%
92	14.946	2137	2142	2148	rVB5	3905	6608	1.01%	0.116%
93	15.062	2158	2161	2164	rBV4	818	1271	0.19%	0.022%
94	15.245	2188	2191	2197	rVB4	5212	8124	1.24%	0.143%
95	15.842	2283	2289	2295	rBV3	6957	11794	1.79%	0.207%
96	15.921	2300	2302	2303	rBV	400	238	0.04%	0.004%
97	15.958	2303	2308	2314	rVB4	1482	2989	0.45%	0.053%
98	16.031	2316	2320	2325	rVB3	3284	5482	0.83%	0.096%
99	16.421	2382	2384	2385	rBV	342	203	0.03%	0.004%
100	16.586	2410	2411	2413	rBV	264	176	0.03%	0.003%

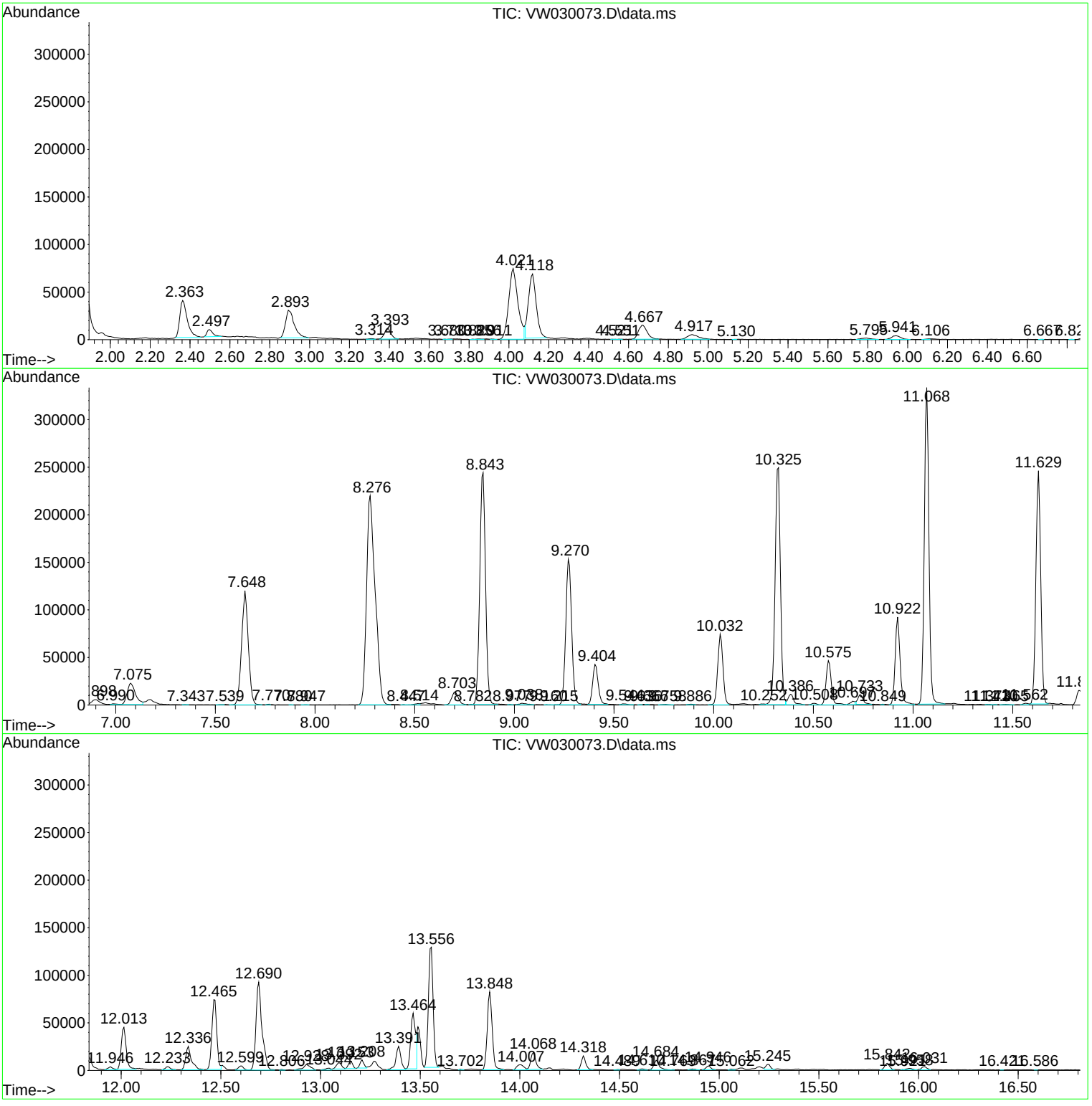
Sum of corrected areas: 5686717

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

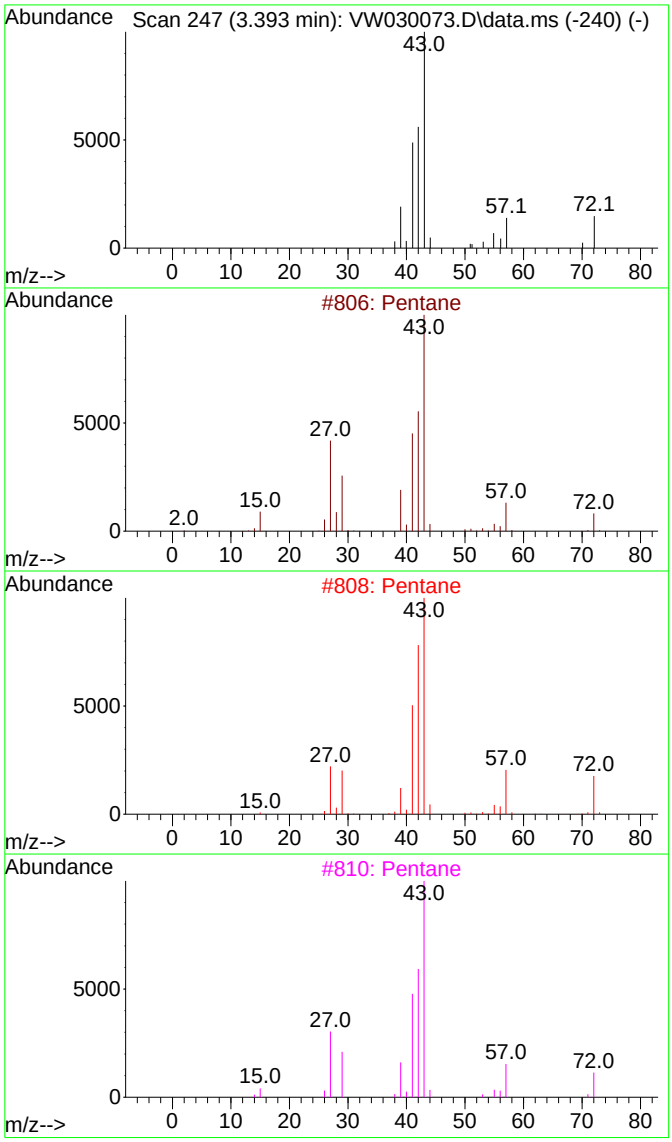
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

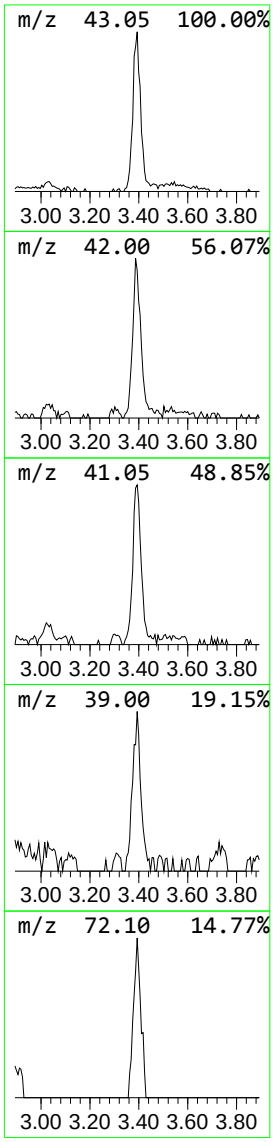
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	1.30 ug/L	25257	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

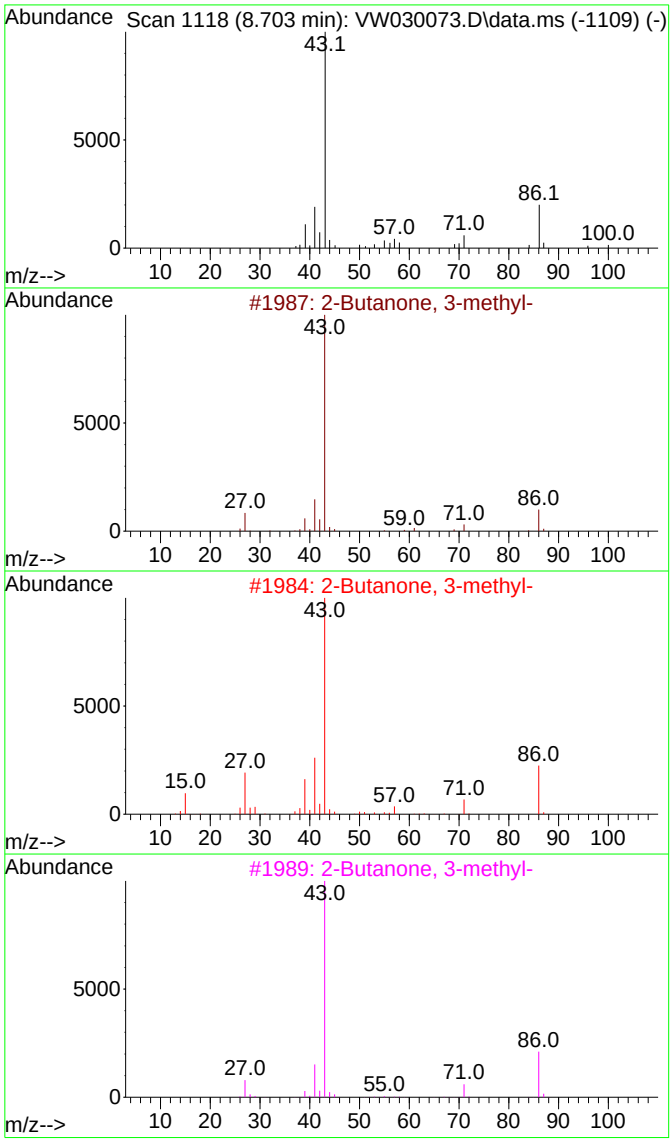
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

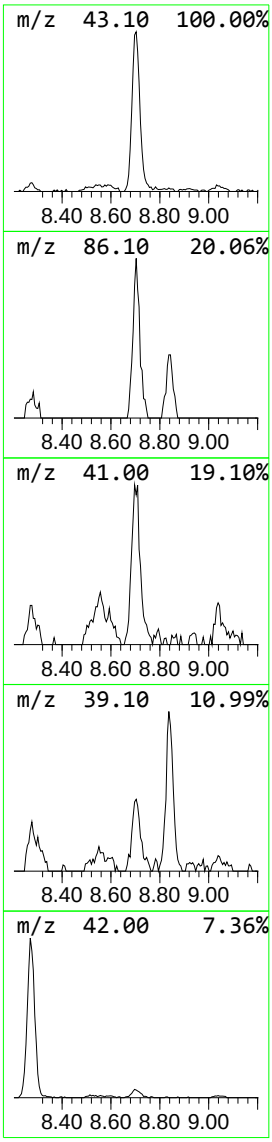
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Butanone, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.703	1.61 ug/L	31335	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
5	2-Pentanone	86	C5H10O	000107-87-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

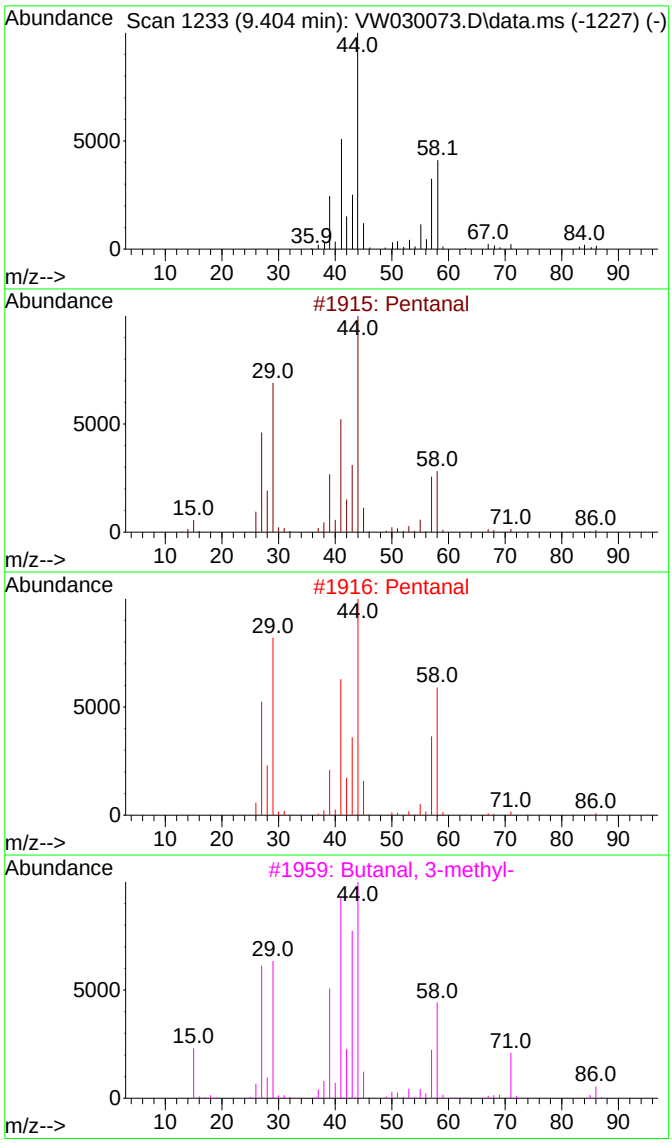
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

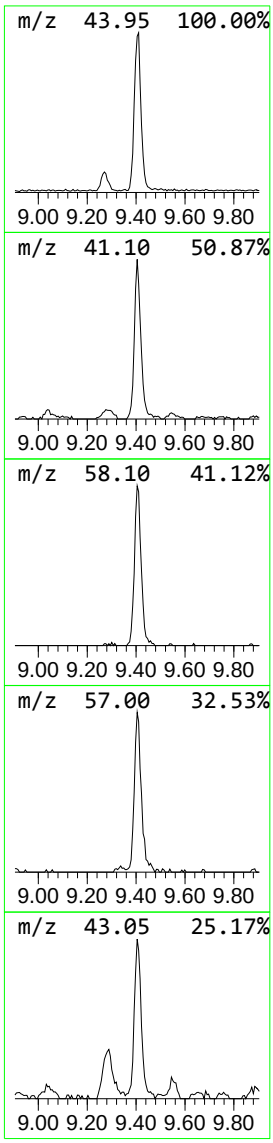
****

Peak Number 3 Pentanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.404	4.11 ug/L	80051	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	87
2	Pentanal	86	C5H10O	000110-62-3	78
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	53
4	Pentanal	86	C5H10O	000110-62-3	43
5	Pentanal	86	C5H10O	000110-62-3	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

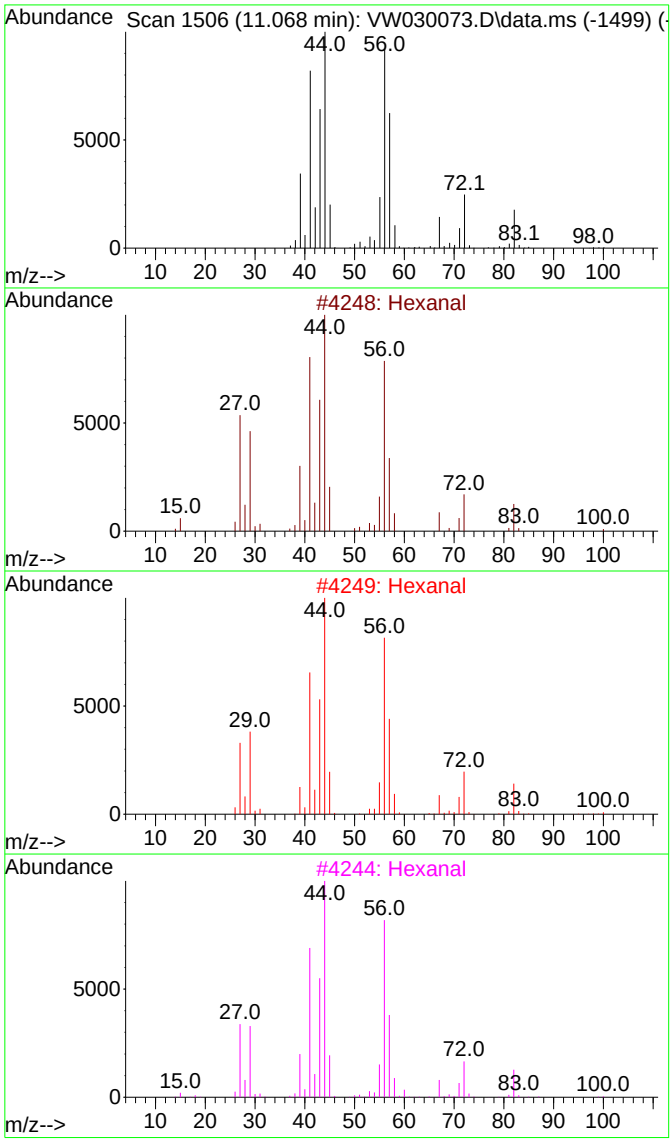
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

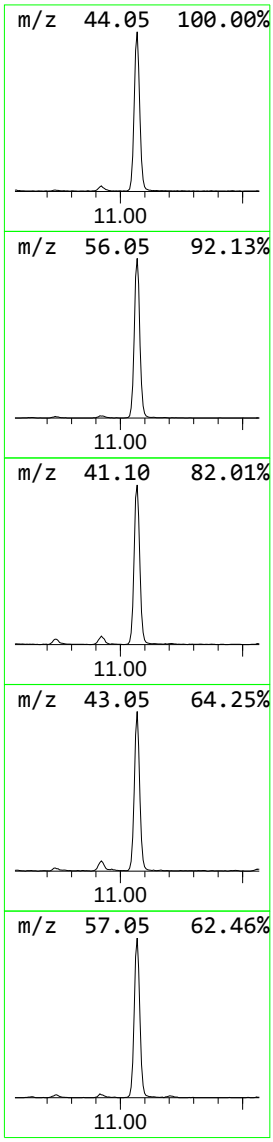
****

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.068	32.40 ug/L	531070	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	83
5	Hexanal	100	C6H12O	000066-25-1	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

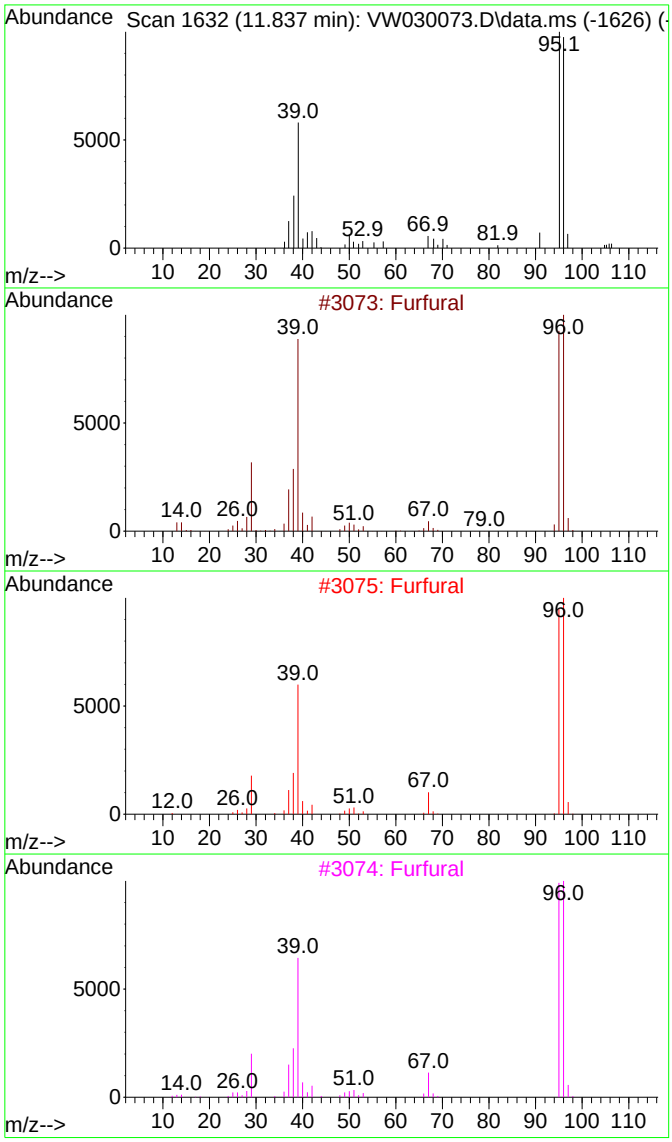
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

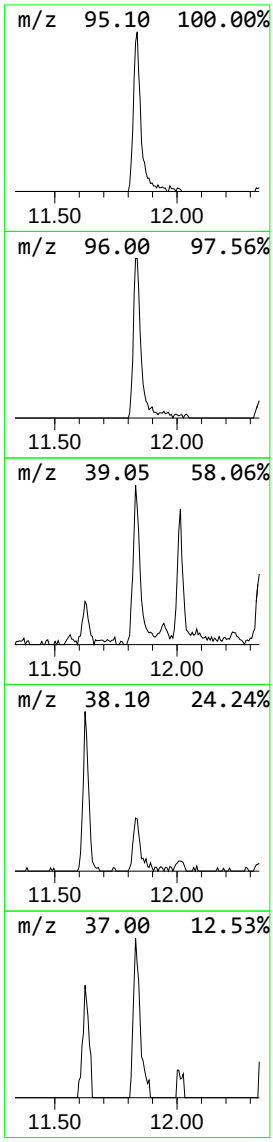
****

Peak Number 6 Furfural Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.837	2.01 ug/L	32963	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	91
2	Furfural	96	C5H4O2	000098-01-1	91
3	Furfural	96	C5H4O2	000098-01-1	91
4	3-Furaldehyde	96	C5H4O2	000498-60-2	83
5	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

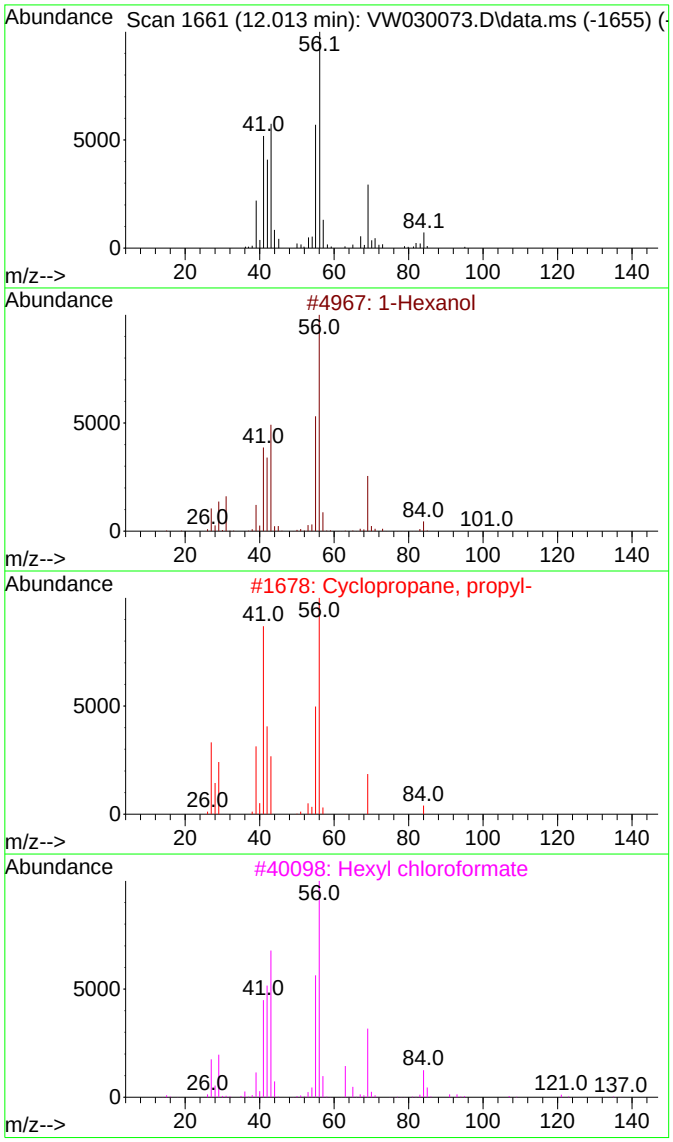
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

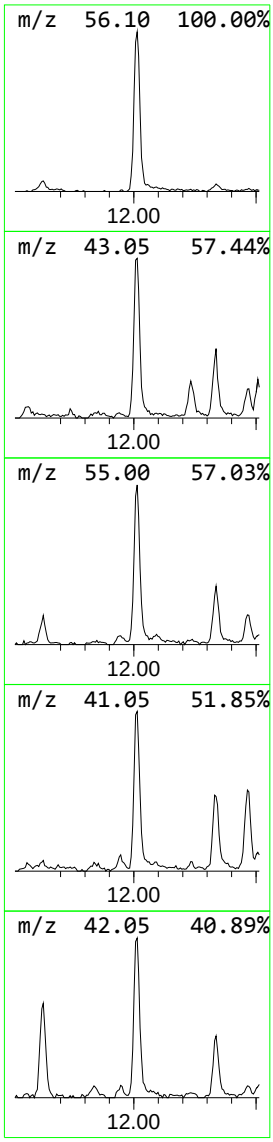
****

Peak Number 7 1-Hexanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.013	4.61 ug/L	75567	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	83
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78
4	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	78
5	1-Hexanol	102	C6H14O	000111-27-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

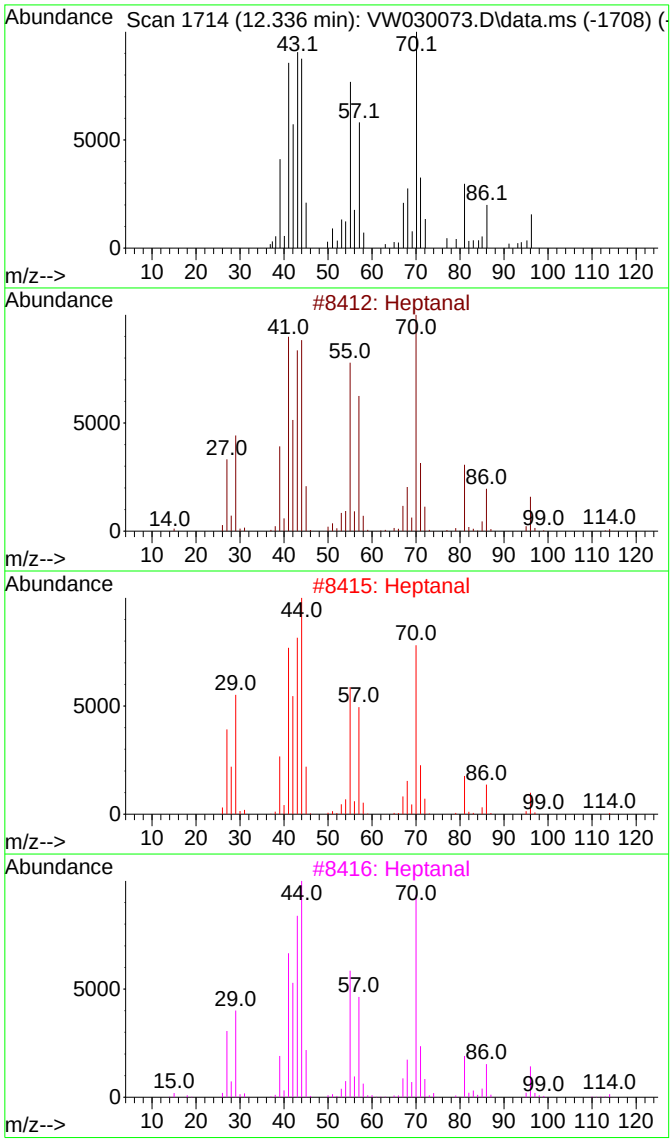
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

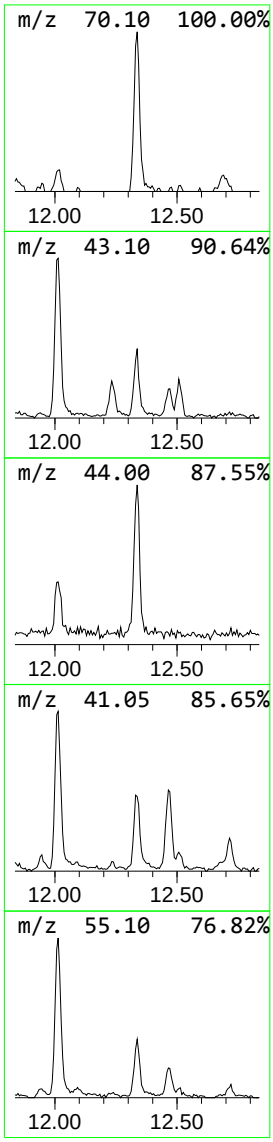
****

Peak Number 8 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	2.96 ug/L	48467	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	86
3	Heptanal	114	C7H14O	000111-71-7	86
4	Heptanal	114	C7H14O	000111-71-7	78
5	Heptanal	114	C7H14O	000111-71-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

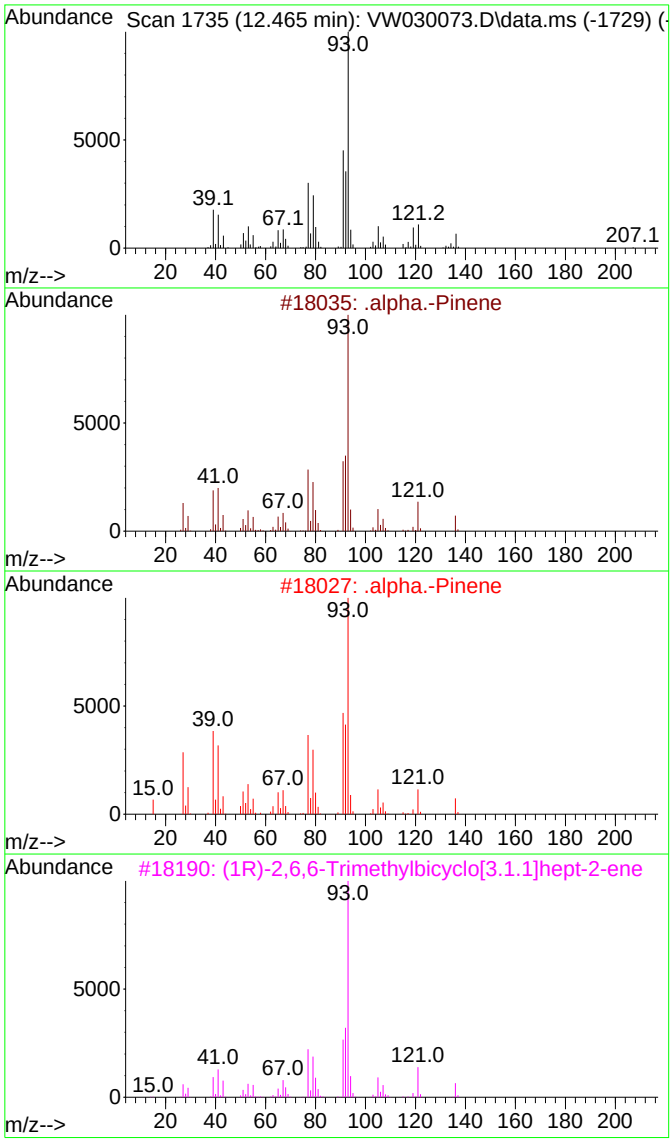
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

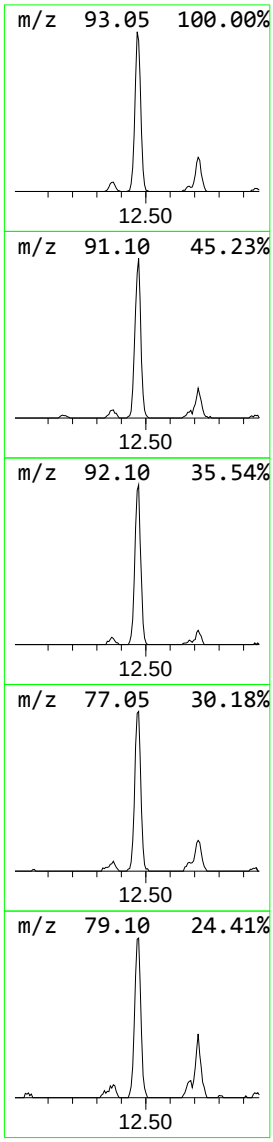
****

Peak Number 9 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.464	7.70 ug/L	126256	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

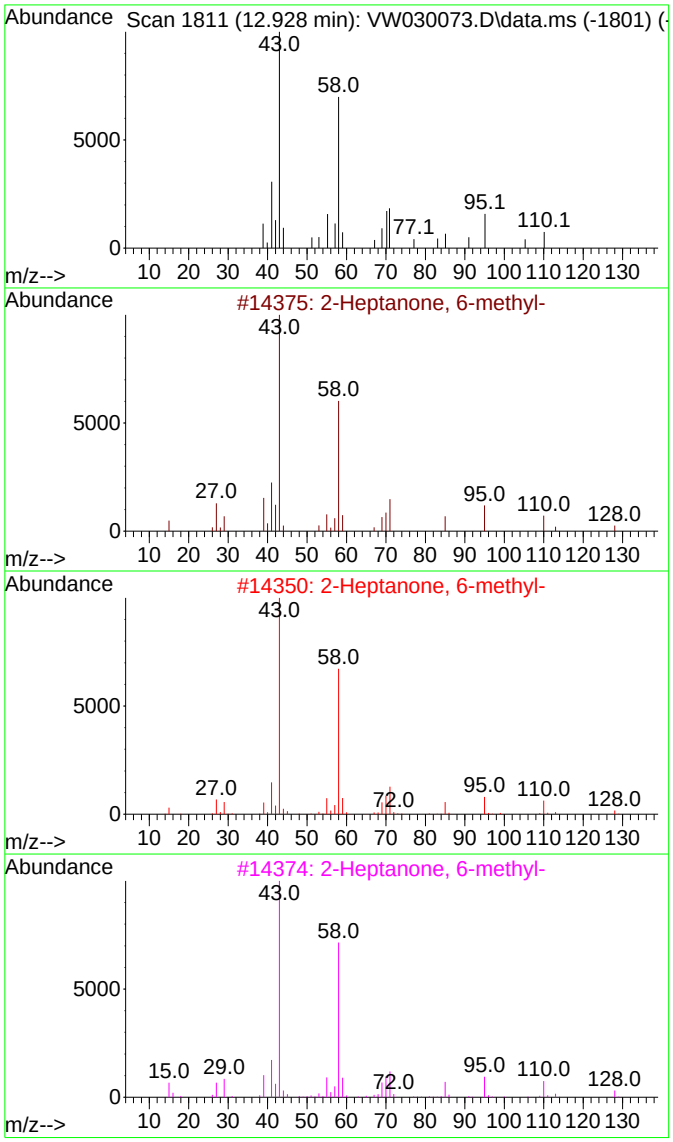
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

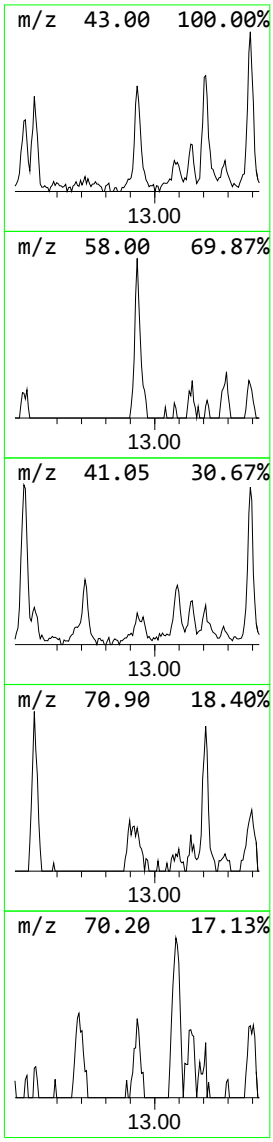
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2-Heptanone, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	1.80 ug/L	14708	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	86
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
4	Carbonic acid, hexyl prop-1-en-2...	186	C10H18O3	1000382-54-2	38
5	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

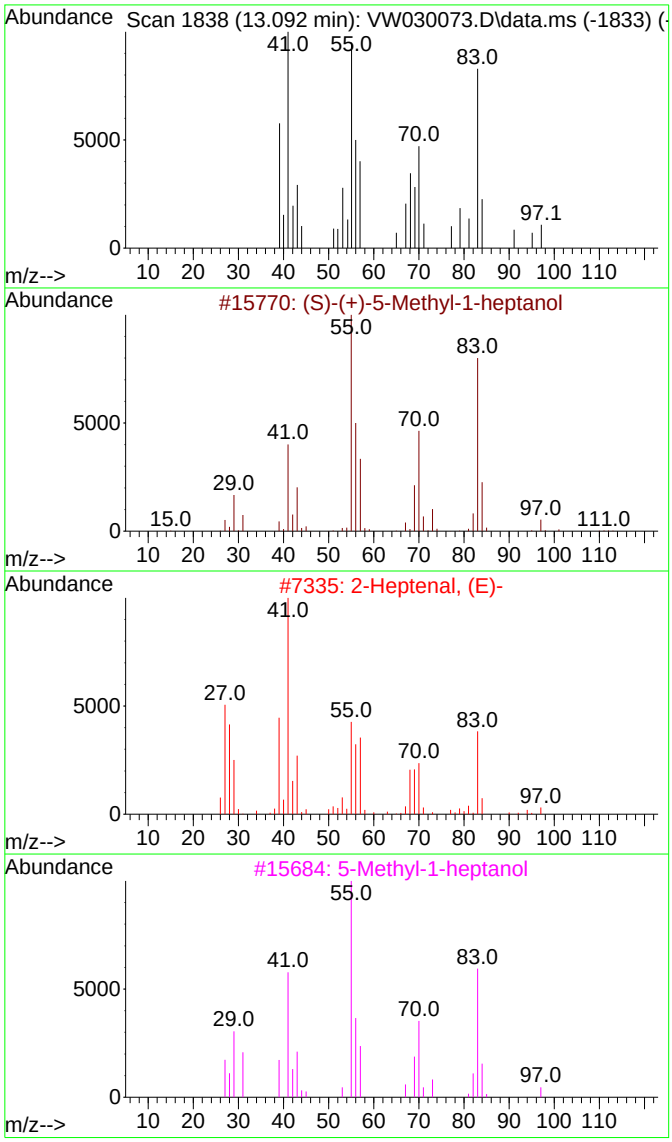
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

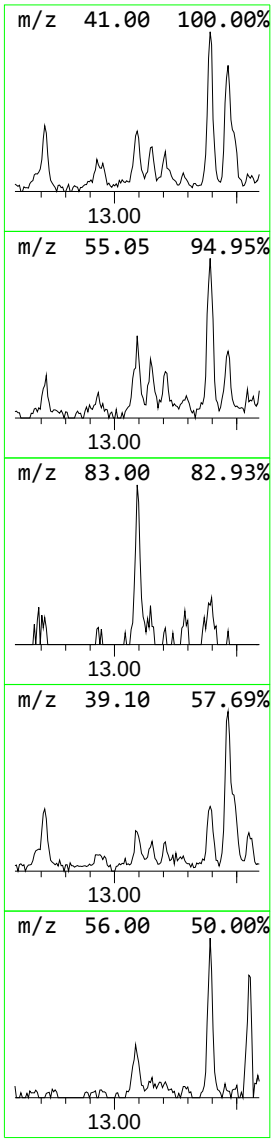
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (S)-(+)-5-Methyl-1-heptanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	1.48 ug/L	12159	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	53
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	50
3	5-Methyl-1-heptanol	130	C8H18O	007212-53-5	45
4	1-Hexyn-3-ol	98	C6H10O	000105-31-7	40
5	Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

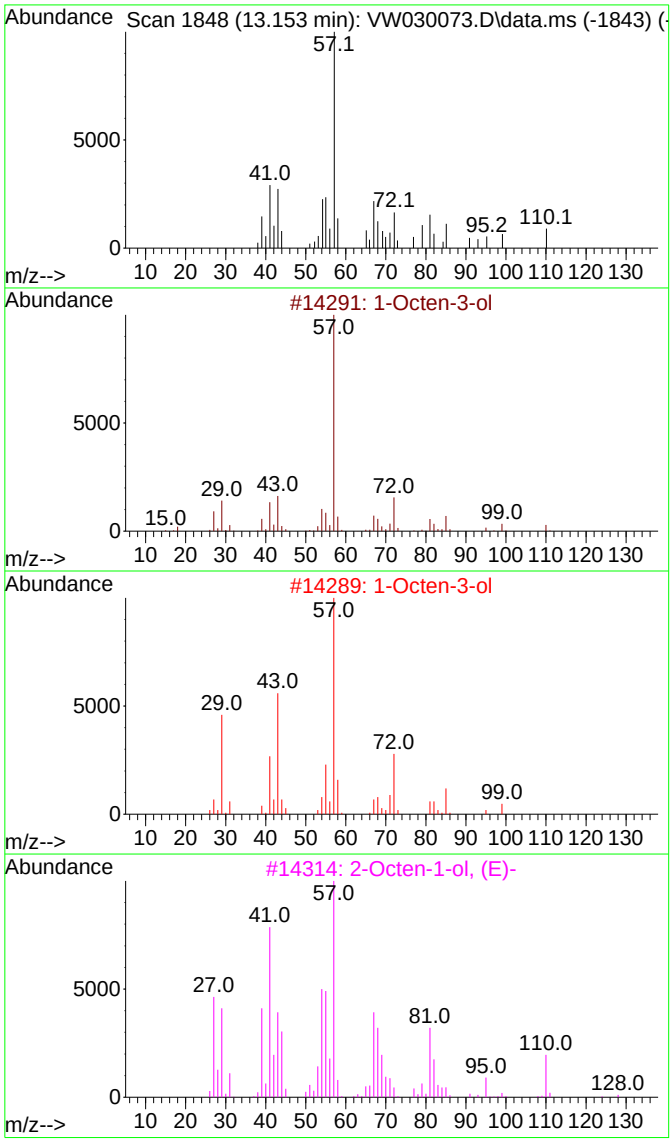
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

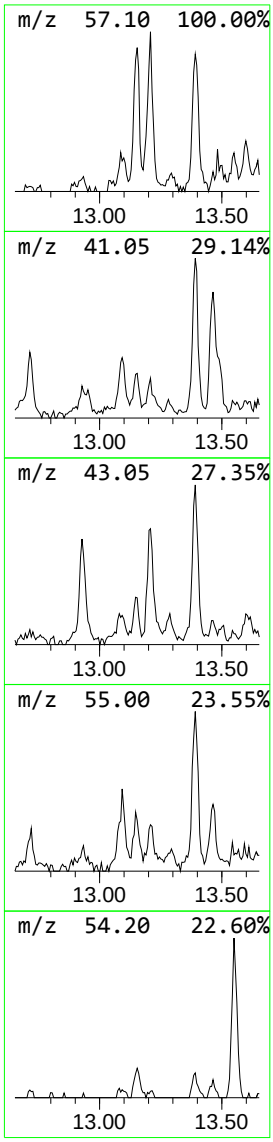
****

Peak Number 12 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.153	1.39 ug/L	11407	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-3-ol	128	C8H16O	003391-86-4	47
2	1-Octen-3-ol	128	C8H16O	003391-86-4	43
3	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	38
4	1-Octen-3-ol	128	C8H16O	003391-86-4	37
5	1-Nonen-3-ol	142	C9H18O	021964-44-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

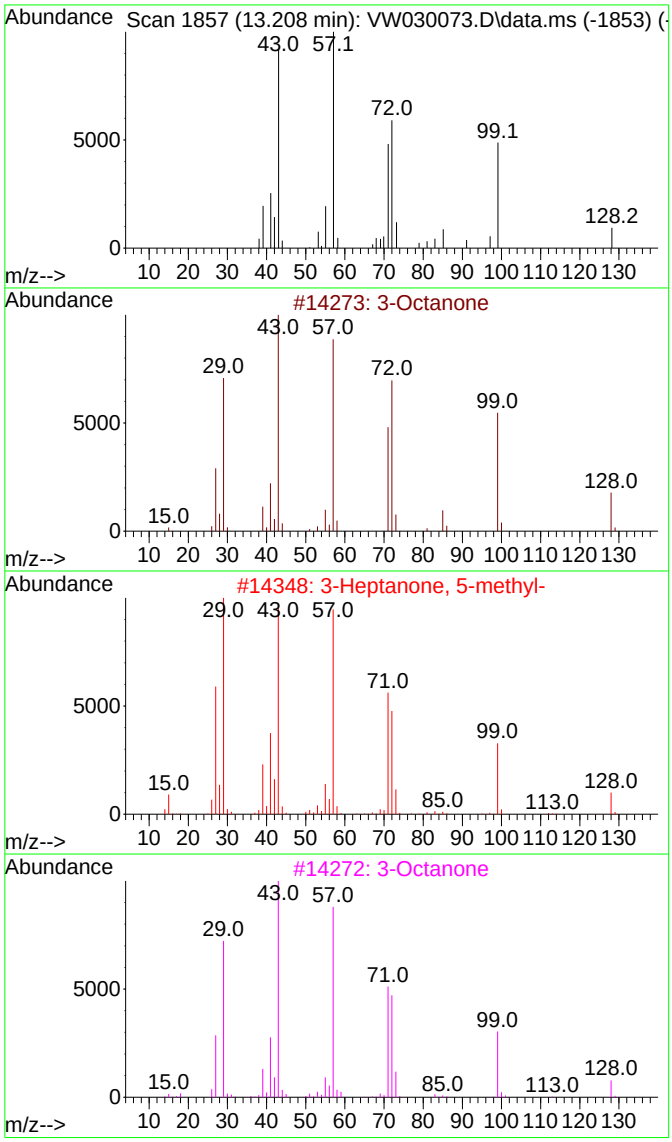
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

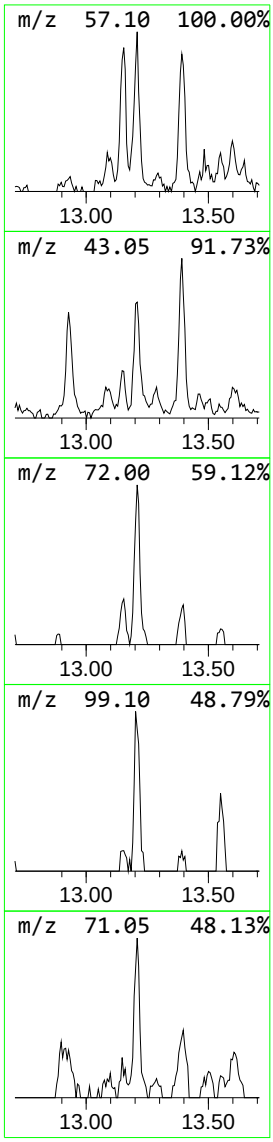
****

Peak Number 13 3-Octanone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.208	1.38 ug/L	11326	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	86
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	83
3	3-Octanone	128	C8H16O	000106-68-3	80
4	3-Octanone	128	C8H16O	000106-68-3	80
5	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

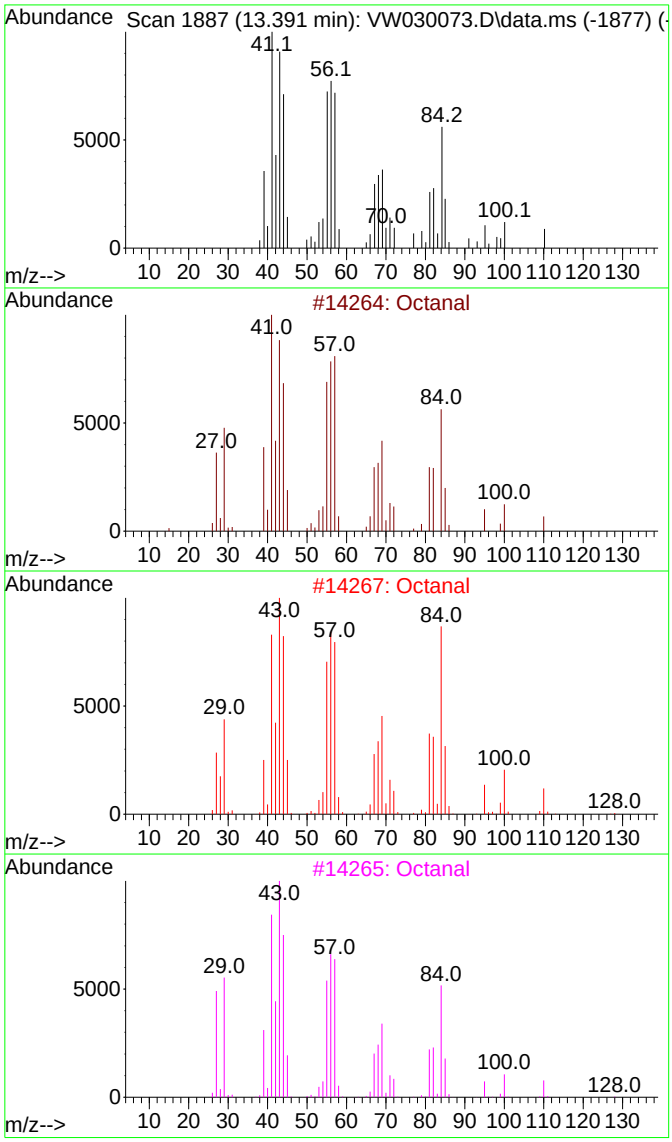
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

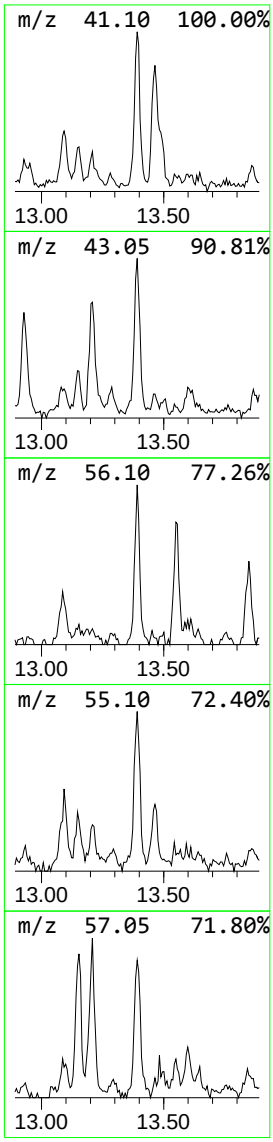
****

Peak Number 14 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.391	5.35 ug/L	43817	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	90
3	Octanal	128	C8H16O	000124-13-0	90
4	Octanal	128	C8H16O	000124-13-0	90
5	3-Chlorohexane	120	C6H13Cl	002346-81-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

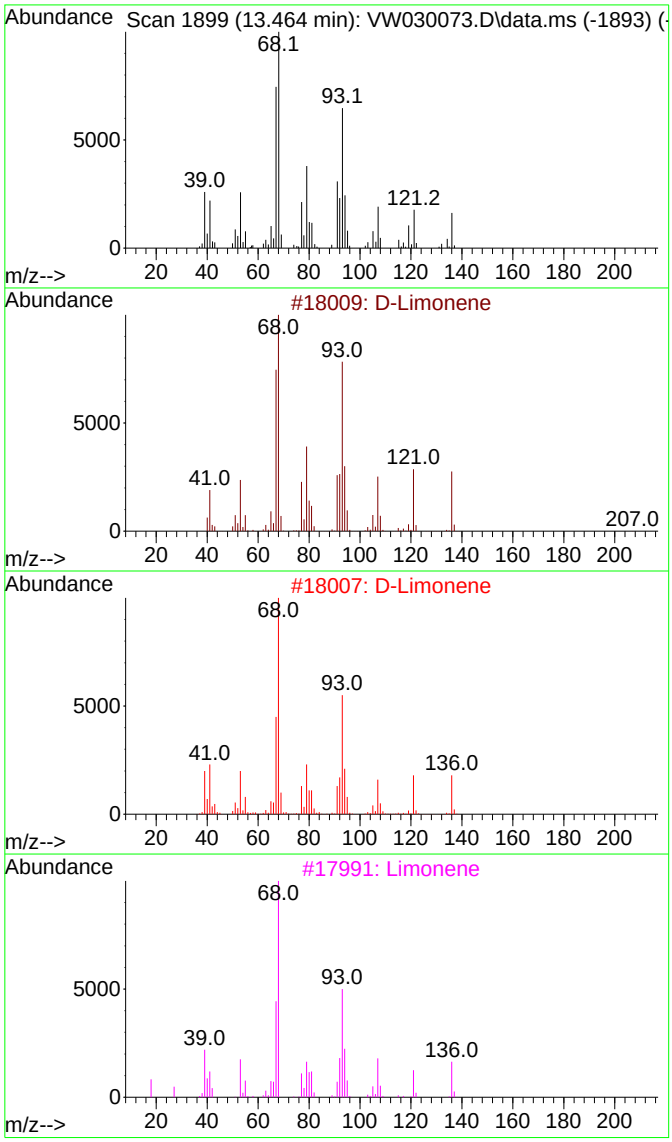
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

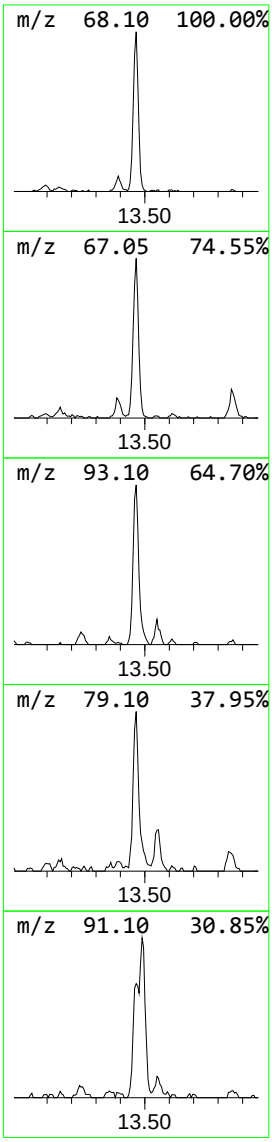
****

Peak Number 15 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.464	12.67 ug/L	103796	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	90
4	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	83
5	Limonene	136	C10H16	000138-86-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

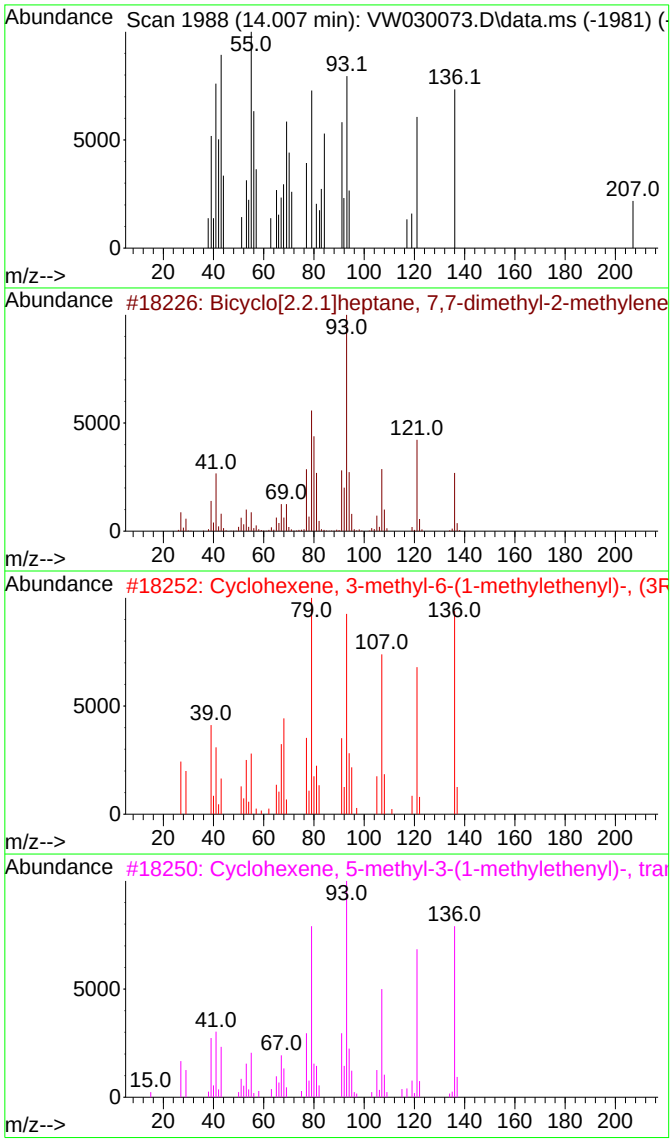
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

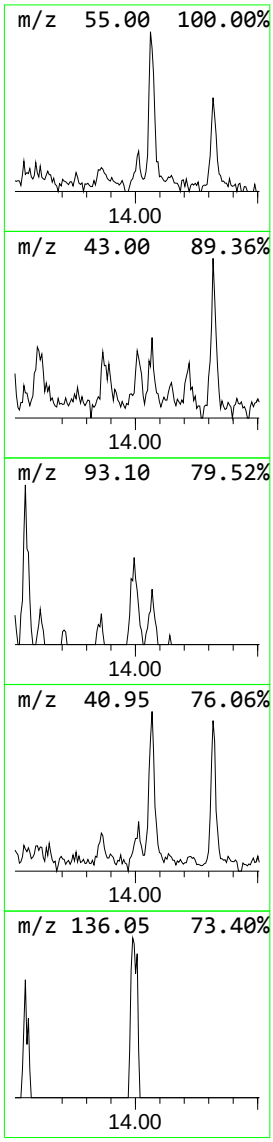
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	1.67 ug/L	13674	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	64
2	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	005113-87-1	49
3	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	49
4	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	46
5	Cyclohexene, 4-methyl-1-(1-methy...	136	C10H16	000586-67-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

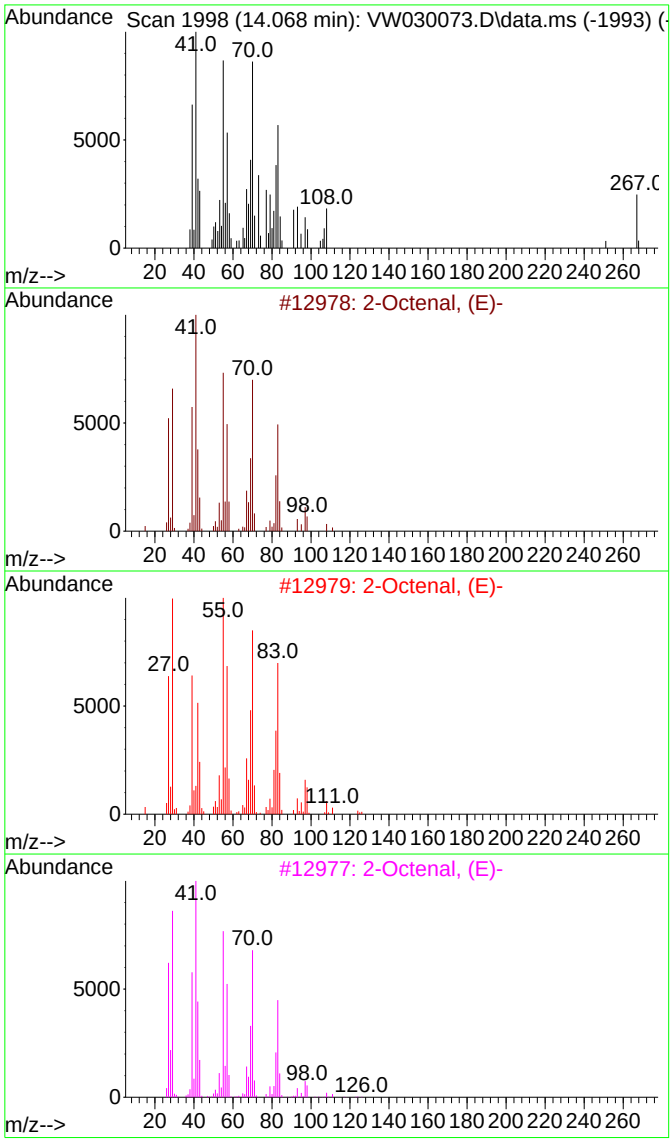
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

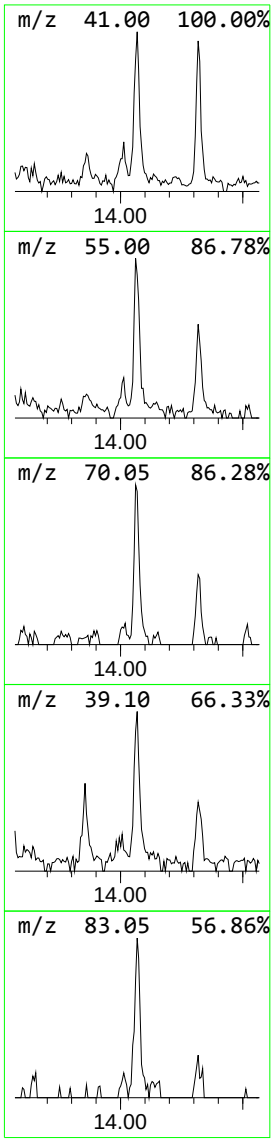
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Octenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.068	3.83 ug/L	31353	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	52
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	50
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	43
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	38
5	2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

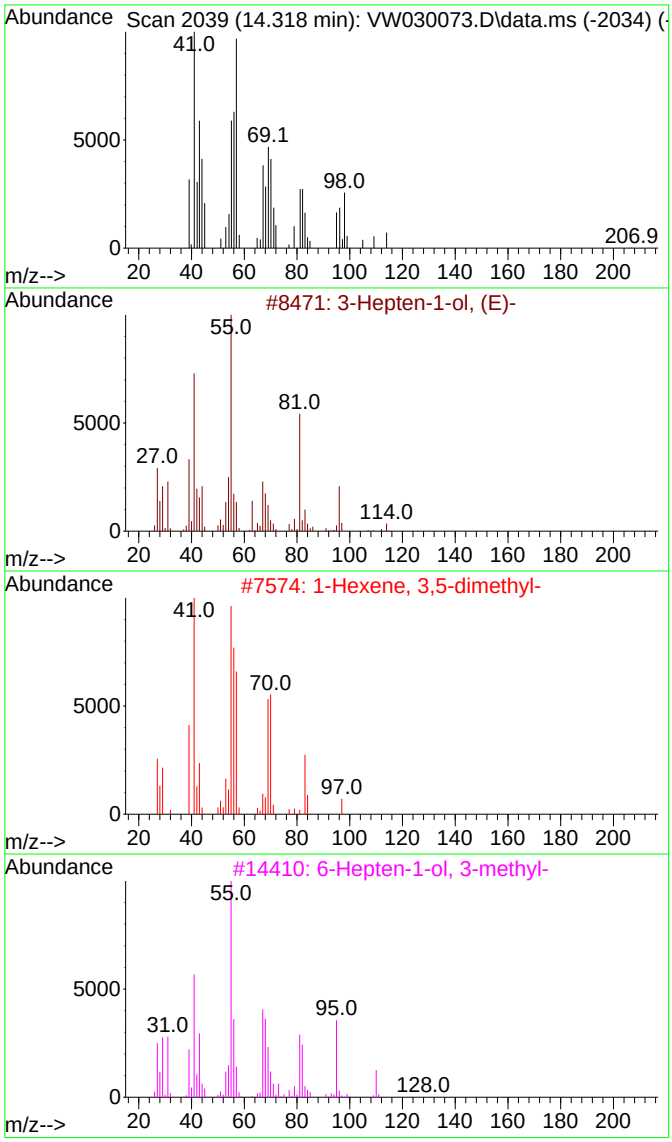
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

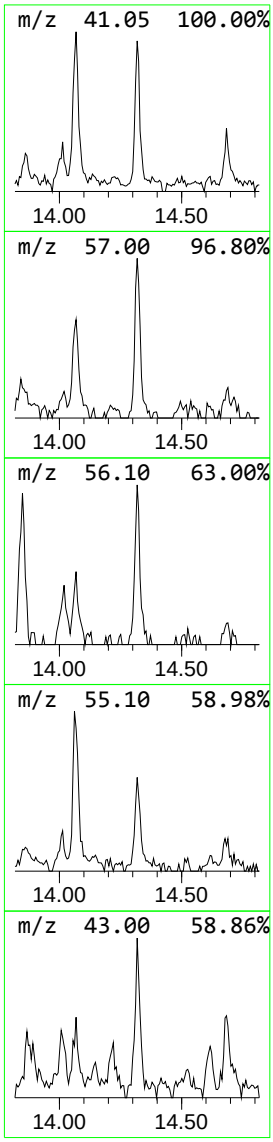
****

Peak Number 18 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.318	2.67 ug/L	21855	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hepten-1-ol, (E)-	114	C7H14O	002108-05-6	25
2	1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	22
3	6-Hepten-1-ol, 3-methyl-	128	C8H16O	004048-32-2	22
4	2,3-Dimethyl-aziridine	71	C4H9N	002549-68-0	22
5	1,10-Decanediol	174	C10H22O2	000112-47-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

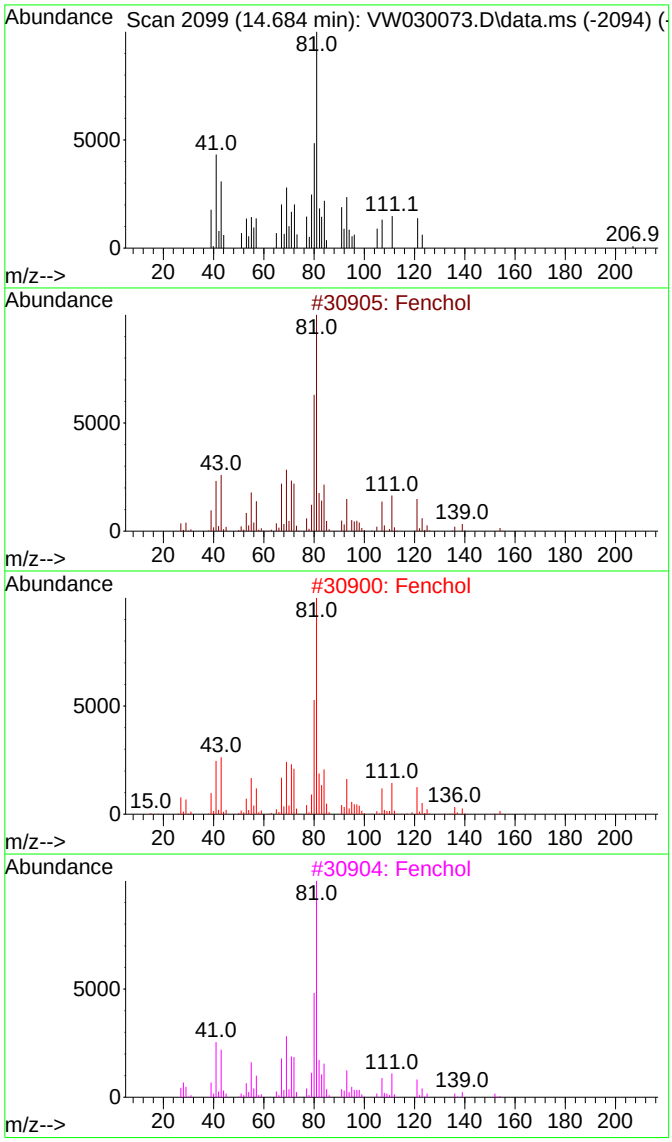
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

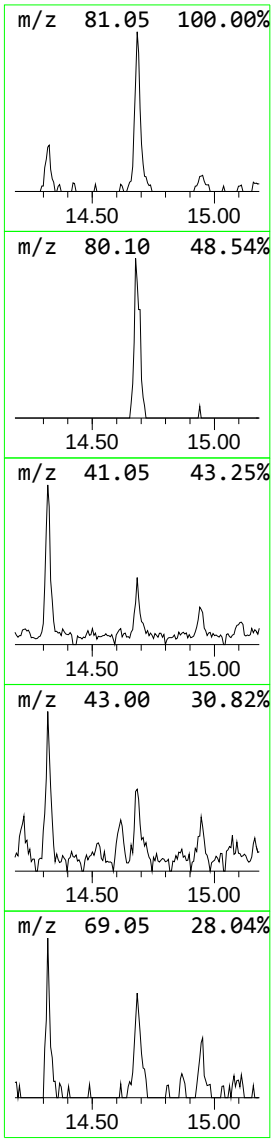
****

Peak Number 19 Fenchol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	2.34 ug/L	19166	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchol	154	C10H18O	001632-73-1	74
2	Fenchol	154	C10H18O	001632-73-1	72
3	Fenchol	154	C10H18O	001632-73-1	72
4	Fenchol	154	C10H18O	001632-73-1	64
5	Fenchol	154	C10H18O	001632-73-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

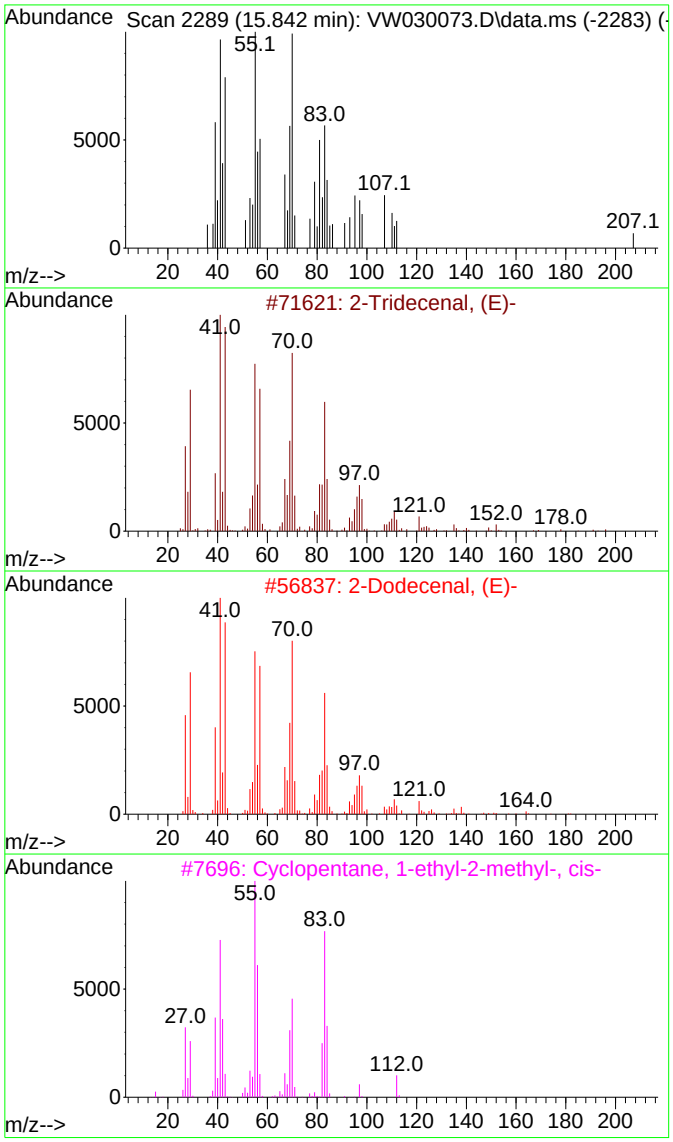
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0

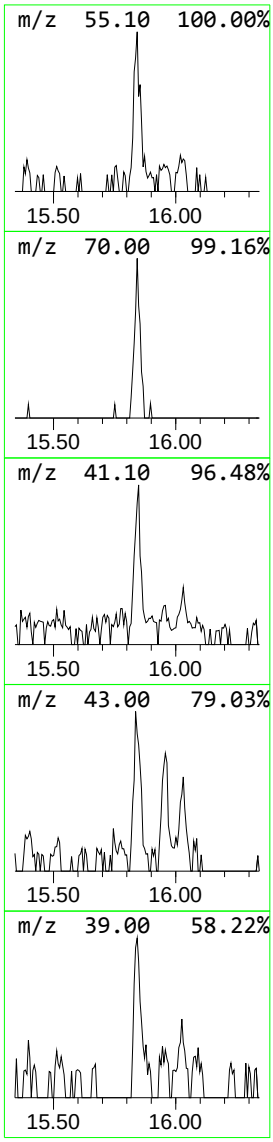
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 2-Tridecenal, (E)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.842	1.44 ug/L	11794	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	52
2	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	47
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	46
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082824\
Data File : VW030073.D
Acq On : 28 Aug 2024 13:57
Operator : SY/MD
Sample : P3675-16RE
Misc : 4.26g/10mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DCXY9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.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...	3.393	1.3	ug/L	25257	1	8.843	487260	25.0
2-Butanone, 3-m...	8.703	1.6	ug/L	31335	1	8.843	487260	25.0
Pentanal	9.404	4.1	ug/L	80051	1	8.843	487260	25.0
Hexanal	11.068	32.4	ug/L	531070	2	11.629	409818	25.0
Furfural	11.837	2.0	ug/L	32963	2	11.629	409818	25.0
1-Hexanol	12.013	4.6	ug/L	75567	2	11.629	409818	25.0
Heptanal	12.336	3.0	ug/L	48467	2	11.629	409818	25.0
.alpha.-Pinene	12.464	7.7	ug/L	126256	2	11.629	409818	25.0
2-Heptanone, 6-...	12.928	1.8	ug/L	14708	3	13.556	204751	25.0
(S)-(+)-5-Methy...	13.092	1.5	ug/L	12159	3	13.556	204751	25.0
unknown-01	13.153	1.4	ug/L	11407	3	13.556	204751	25.0
3-Octanone	13.208	1.4	ug/L	11326	3	13.556	204751	25.0
Octanal	13.391	5.3	ug/L	43817	3	13.556	204751	25.0
D-Limonene	13.464	12.7	ug/L	103796	3	13.556	204751	25.0
Bicyclo[2.2.1]h...	14.007	1.7	ug/L	13674	3	13.556	204751	25.0
2-Octenal, (E)-	14.068	3.8	ug/L	31353	3	13.556	204751	25.0
unknown-02	14.318	2.7	ug/L	21855	3	13.556	204751	25.0
Fenchol	14.684	2.3	ug/L	19166	3	13.556	204751	25.0
2-Tridecenal, (E)-	15.842	1.4	ug/L	11794	3	13.556	204751	25.0