LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

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\SFAMWLM101123SMA.M
Title : SFAM01.0

Signal : TIC: VW027323.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	68	78	89	rBV	125339	334235	14.61%	0.941%
2	2.893	158	165	180	rBV	81015	226014	9.88%	0.636%
3	3.033	182	188	199	rVB2	25480	66816	2.92%	0.188%
4	3.393	239	247	264	rVB3	48981	142096	6.21%	0.400%
5	3.856	314	323	334	rVB	82631	215649	9.43%	0.607%
6	4.021	340	350	361	rBV	225612	689684	30.15%	1.942%
7	4.125	361	367	379	rVB	26759	80221	3.51%	0.226%
8	4.765	459	472	486	rBV8	19012	92803	4.06%	0.261%
9	4.960	486	504	510	rBV5	83709	399327	17.46%	1.124%
10	5.076	515	523	546	rVB2	225352	830254	36.29%	2.338%
11	5.441	567	583	600	rBV	48482	177113	7.74%	0.499%
12	5.752	619	634	649	rBV2	109862	365112	15.96%	1.028%
13	5.941	653	665	678	rBV	97539	290763	12.71%	0.819%
14	6.289	702	722	735	rBV	637578	1931668	84.44%	5.439%
15	6.429	735	745	754	rVV2	58806	176018	7.69%	0.496%
16	6.527	754	761	770	rVV	18701	54623	2.39%	0.154%
17	6.728	784	794	809	rVB	94506	274094	11.98%	0.772%
18	6.880	809	819	826	rBV	17666	59576	2.60%	0.168%
19	6.984	826	836	843	rVV	183408	547619	23.94%	1.542%
20	7.063	843	849	856	rVV3	112000	363416	15.89%	1.023%
21	7.130	856	860	876	rVB	88843	263524	11.52%	0.742%
22	7.648	933	945	950	rBV	372199	1058082	46.25%	2.979%
23	7.697	950	953	962	rVB	254066	506437	22.14%	1.426%
24	7.953	983	995	1002	rBV3	127938	489276	21.39%	1.378%
25	8.038	1002	1009	1018	rVB4	76269	220407	9.63%	0.621%
26	8.154	1020	1028	1035	rBV2	94201	207587	9.07%	0.585%
27	8.276	1035	1048	1051	rBV	702066	1672934	73.13%	4.711%
28	8.319	1052	1055	1066	rVB3	750137	1543599	67.48%	4.346%
29	8.453	1066	1077	1083	rBV4	245928	741489	32.41%	2.088%
30	8.575	1092	1097	1106	rVB3	74024	180844	7.91%	0.509%
31	8.691	1106	1116	1130	rVB3	116013	277991	12.15%	0.783%
32	8.837	1130	1140	1153	rBV	949872	2287622	100.00%	6.442%
33	8.996	1161	1166	1171	rVB	38725	67969	2.97%	0.191%
34	9.069	1171	1178	1182	rBV	166879	344969	15.08%	0.971%
35	9.118	1182	1186	1195	rVB	105442	216254	9.45%	0.609%
36	9.270	1204	1211	1216	rBV	484455	1066994	46.64%	3.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

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\SFAMWLM101123SMA.M
Title : SFAM01.0

37	9.331	1216	1221	1228	rVB2	366819	794730	34.74%	2.238%
38	9.520	1245	1252	1258	rVV3	76482	163217	7.13%	0.460%
39	9.611	1258	1267	1272	rVV3	33765	81887	3.58%	0.231%
40	9.678	1272	1278	1280	rVV2	59457	111796	4.89%	0.315%
41	9.709	1280	1283	1286	rVV	68134	120439	5.26%	0.339%
42	9.752	1286	1290	1299	rVV3	81497	169068	7.39%	0.476%
43	9.849	1299	1306	1311	rVV2	292755	554155	24.22%	1.560%
44	9.898	1311	1314	1319	rVV2	110006	204152	8.92%	0.575%
45	9.953	1319	1323	1327	rVV	91969	169489	7.41%	0.477%
46	10.032	1331	1336	1341	rVV	246964	443761	19.40%	1.250%
47	10.093	1341	1346	1350	rVB2	42229	71979	3.15%	0.203%
48	10.203	1357	1364	1368	rBV	289702	536488	23.45%	1.511%
49	10.245	1368	1371	1377	rVB2	90857	150380	6.57%	0.423%
50	10.319	1377	1383	1390	rBV	949856	1753879	76.67%	4.939%
51	10.386	1390	1394	1401	rVB	95554	176862	7.73%	0.498%
52	10.508	1406	1414	1420	rBV4	98336	221512	9.68%	0.624%
53	10.575	1420	1425	1435	rVB	168076	339185	14.83%	0.955%
54	10.660	1435	1439	1442	rBV4	40929	72760	3.18%	0.205%
55	10.739	1448	1452	1462	rVB4	128864	290515	12.70%	0.818%
56	10.837	1462	1468	1474	rVB5	27949	72256	3.16%	0.203%
57	10.922	1474	1482	1490	rBV	291450	521889	22.81%	1.470%
58	11.014	1490	1497	1500	rBV2	46791	97445	4.26%	0.274%
59	11.056	1500	1504	1508	rVV2	50199	84468	3.69%	0.238%
60	11.178	1520	1524	1528	rVB3	39040	55691	2.43%	0.157%
61	11.227	1528	1532	1537	rVB2	44934	69245	3.03%	0.195%
62	11.410	1554	1562	1564	rBV2	35657	70530	3.08%	0.199%
63	11.507	1573	1578	1582	rBV2	36220	66609	2.91%	0.188%
64	11.629	1590	1598	1610	rBV2	983645	2262789	98.91%	6.372%
65	11.727	1610	1614	1623	rVB2	51866	96216	4.21%	0.271%
66	11.837	1623	1632	1642	rBV	243060	540860	23.64%	1.523%
67	12.056	1662	1668	1674	rVB2	65930	115124	5.03%	0.324%
68	12.160	1674	1685	1692	rBV	355295	660853	28.89%	1.861%
69	12.245	1693	1699	1704	rVB	35422	65851	2.88%	0.185%
70	12.343	1704	1715	1716	rBV5	50502	114255	4.99%	0.322%
71	12.458	1729	1734	1739	rBV	69005	126513	5.53%	0.356%
72	12.599	1753	1757	1762	rVB3	40925	73792	3.23%	0.208%
73	12.690	1767	1772	1779	rVB	300488	489800	21.41%	1.379%
74	12.800	1779	1790	1795	rVB2	62966	165799	7.25%	0.467%
75	12.861	1795	1800	1803	rBV	74305	128766	5.63%	0.363%
76	12.897	1803	1806	1808	rVV	48664	71545	3.13%	0.201%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

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\SFAMWLM101123SMA.M
Title : SFAM01.0

77	12.934	1808	1812	1819	rVB2	115873	217559	9.51%	0.613%
78	13.099	1831	1839	1845	rBV	137581	274653	12.01%	0.773%
79	13.160	1845	1849	1857	rVV2	62082	112869	4.93%	0.318%
80	13.245	1857	1863	1868	rVV	188985	298580	13.05%	0.841%
81	13.556	1908	1914	1932	rVB2	667056	1301636	56.90%	3.665%
82	13.708	1932	1939	1942	rBV5	23365	58076	2.54%	0.164%
83	13.751	1942	1946	1950	rBV2	90174	156993	6.86%	0.442%
84	13.848	1956	1962	1971	rBV2	430181	793767	34.70%	2.235%
85	14.092	1998	2002	2006	rVB	61801	95212	4.16%	0.268%
86	14.202	2014	2020	2025	rBV2	56124	98836	4.32%	0.278%
87	14.336	2035	2042	2045	rBV4	41380	88748	3.88%	0.250%
88	14.379	2046	2049	2052	rVV4	48842	83156	3.64%	0.234%
89	14.415	2052	2055	2058	rVV2	57784	95860	4.19%	0.270%
90	14.452	2058	2061	2064	rVV	73004	103495	4.52%	0.291%
91	14.495	2064	2068	2071	rVV3	50867	84700	3.70%	0.238%
92	14.537	2072	2075	2082	rVB5	32001	57169	2.50%	0.161%
93	14.793	2111	2117	2121	rBV3	73683	176677	7.72%	0.497%
94	15.056	2155	2160	2168	rBV2	39197	90002	3.93%	0.253%
95	15.165	2174	2178	2185	rVB4	26359	56794	2.48%	0.160%
96	15.318	2198	2203	2206	rBV2	60543	105329	4.60%	0.297%
97	15.360	2206	2210	2215	rVV	46748	77610	3.39%	0.219%
98	16.275	2355	2360	2368	rVB2	35550	68601	3.00%	0.193%
99	16.433	2381	2386	2394	rVB	35257	72098	3.15%	0.203%
100	16.634	2414	2419	2430	rVB	37606	105722	4.62%	0.298%

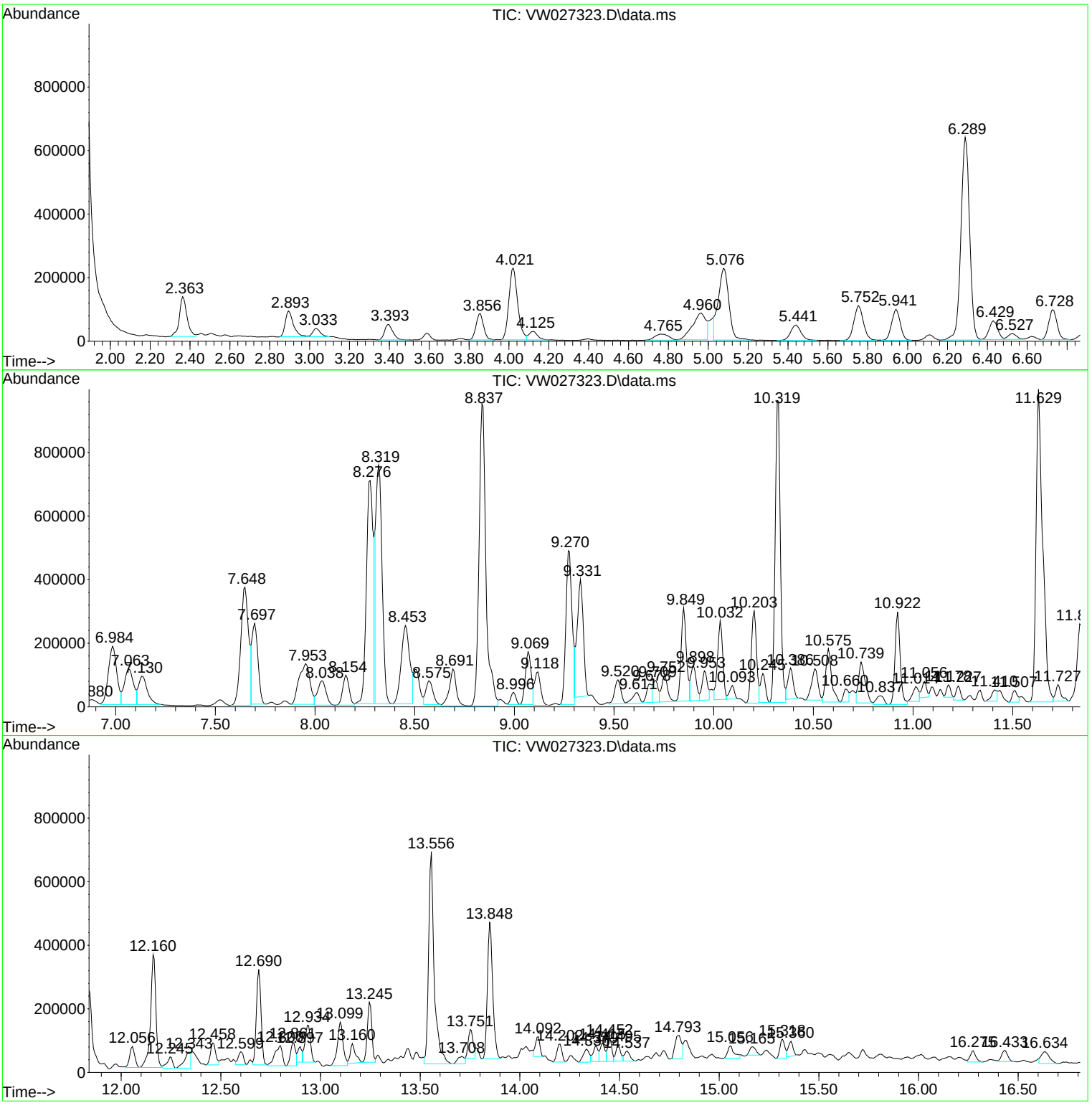
Sum of corrected areas: 35513771

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

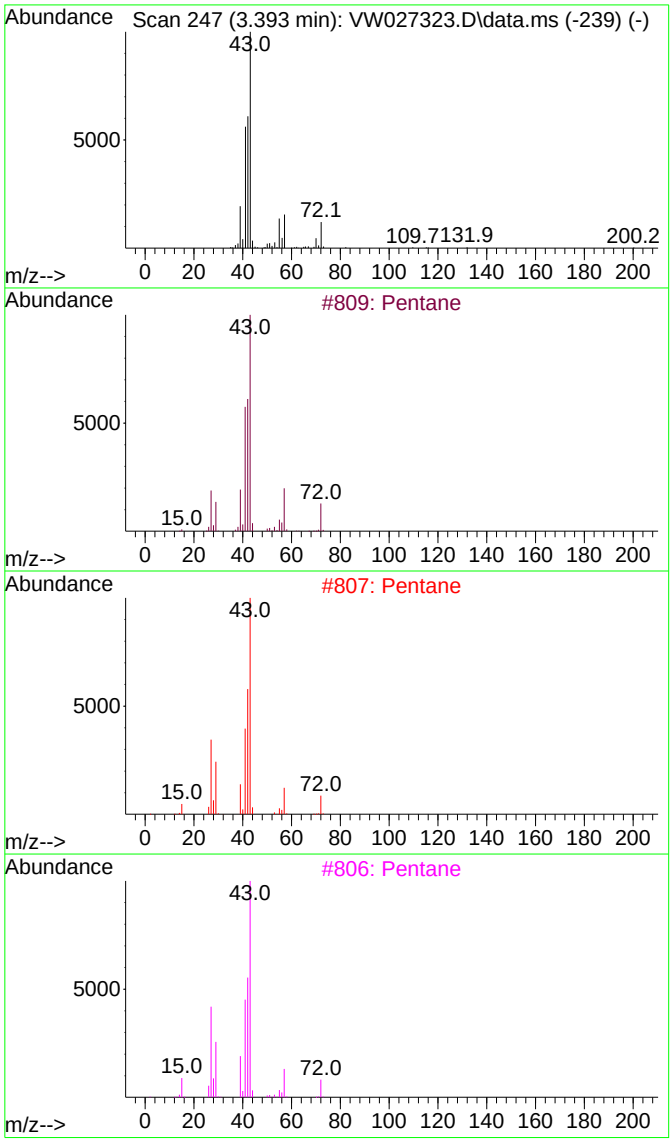
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

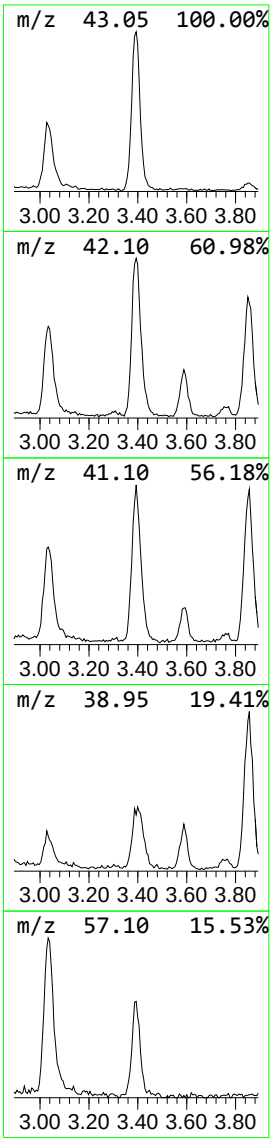
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	1.55 ug/L	142096	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	83
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	80
5	Pentane	72	C5H12	000109-66-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

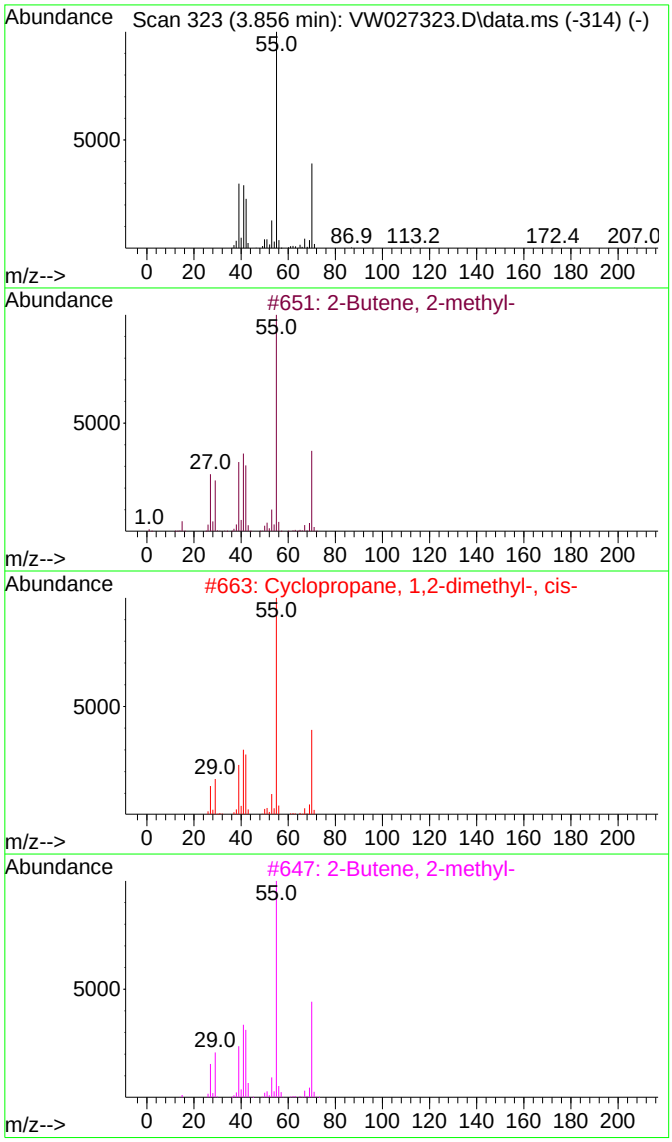
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

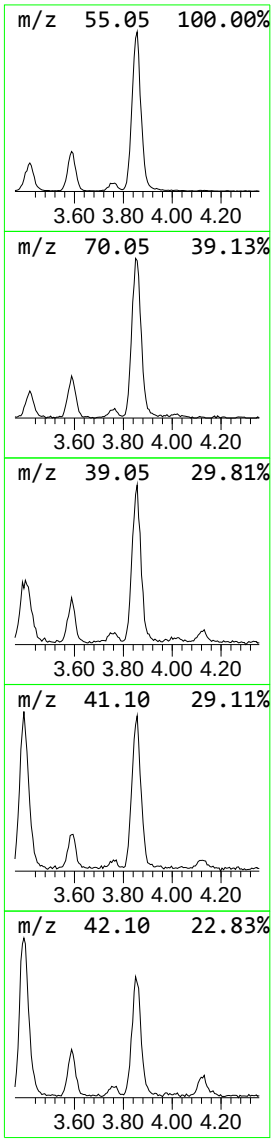
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.856	2.36 ug/L	215649	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

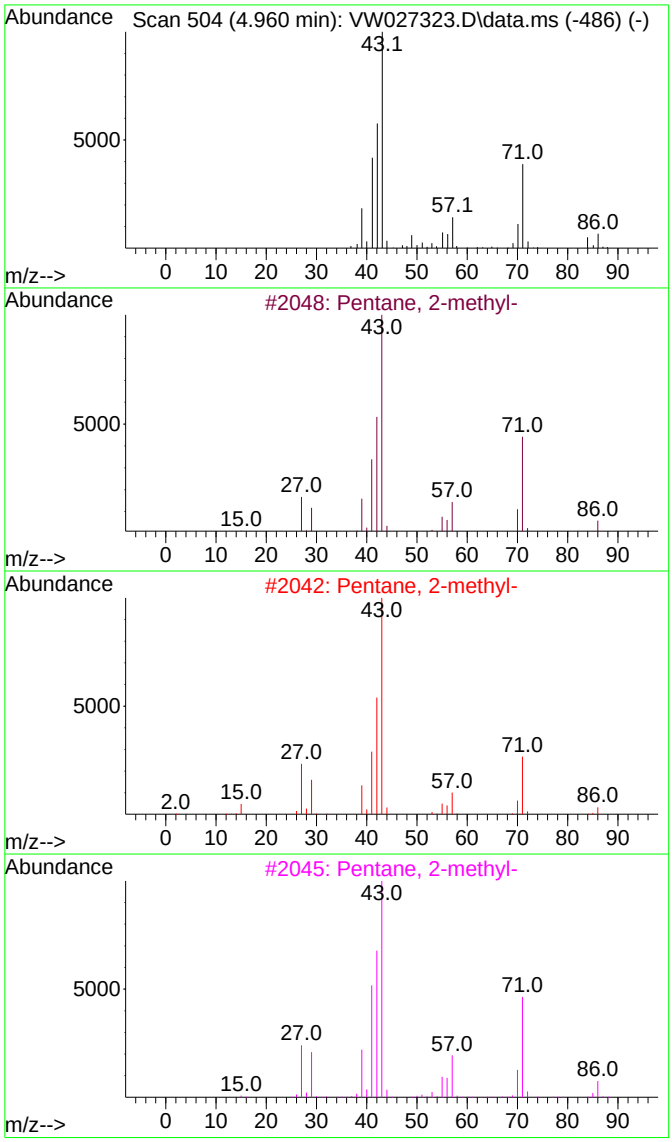
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

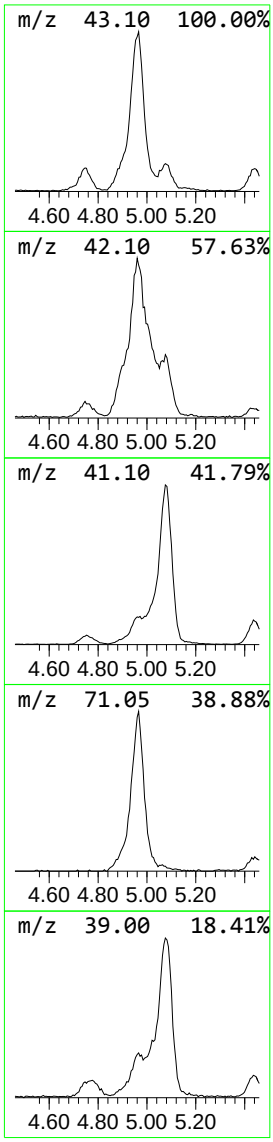
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.960	4.36 ug/L	399327	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

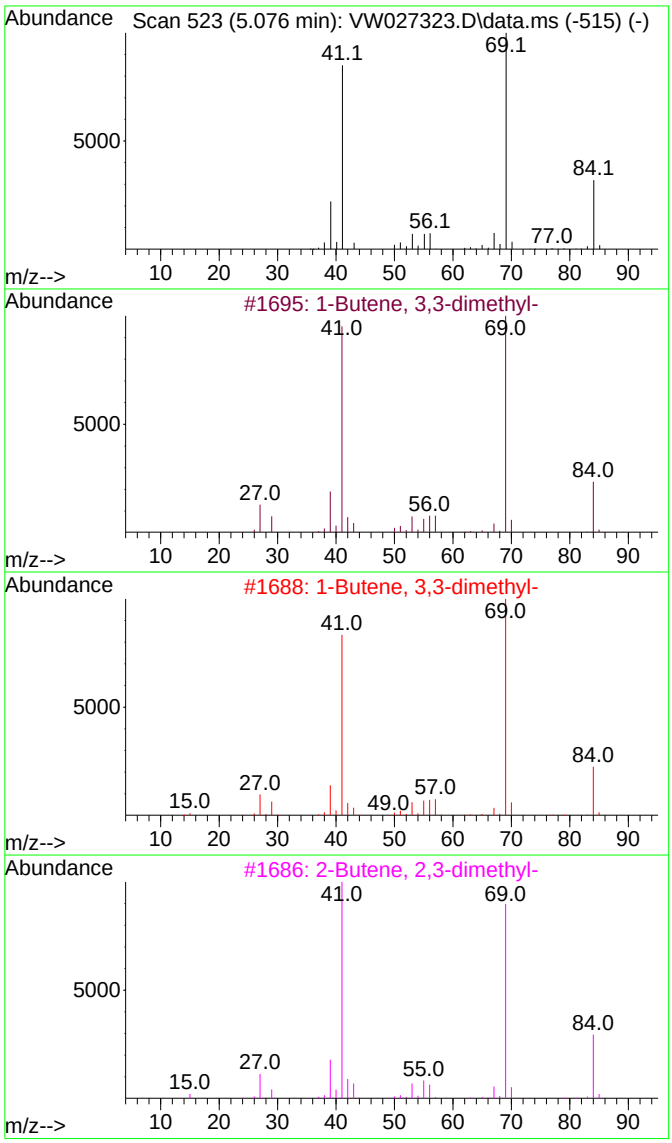
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

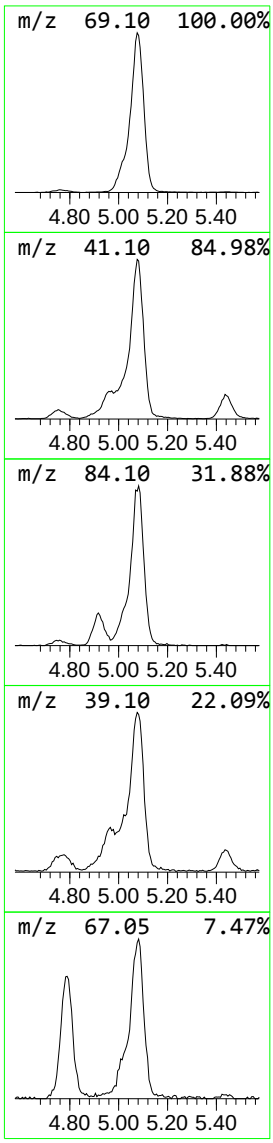
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.076	9.07 ug/L	830254	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	90
2	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	90
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	90
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

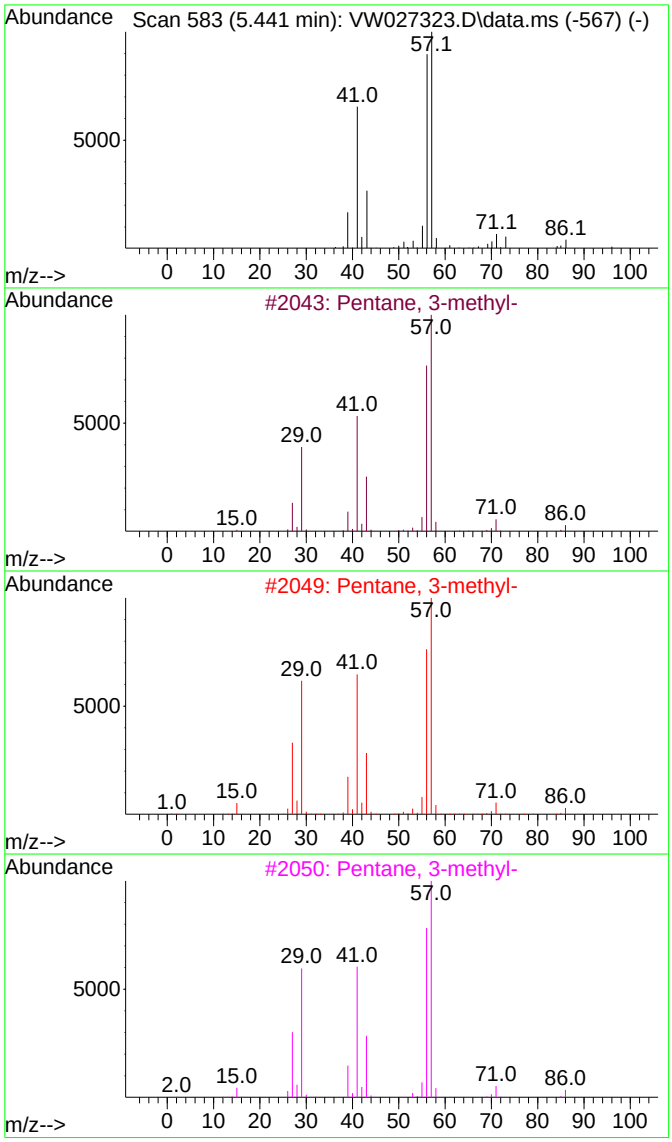
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

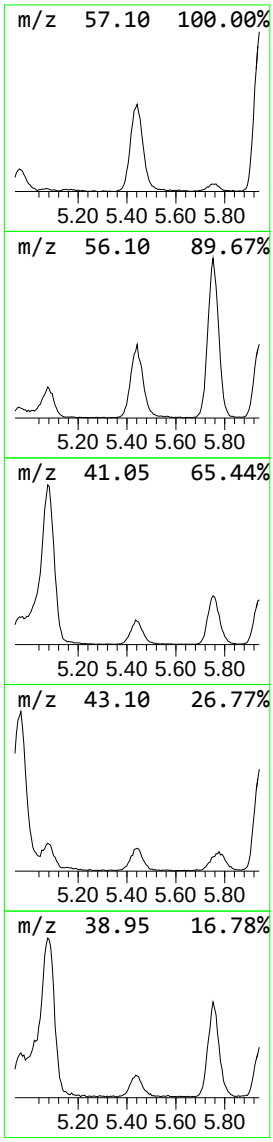
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.441	1.94 ug/L	177113	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

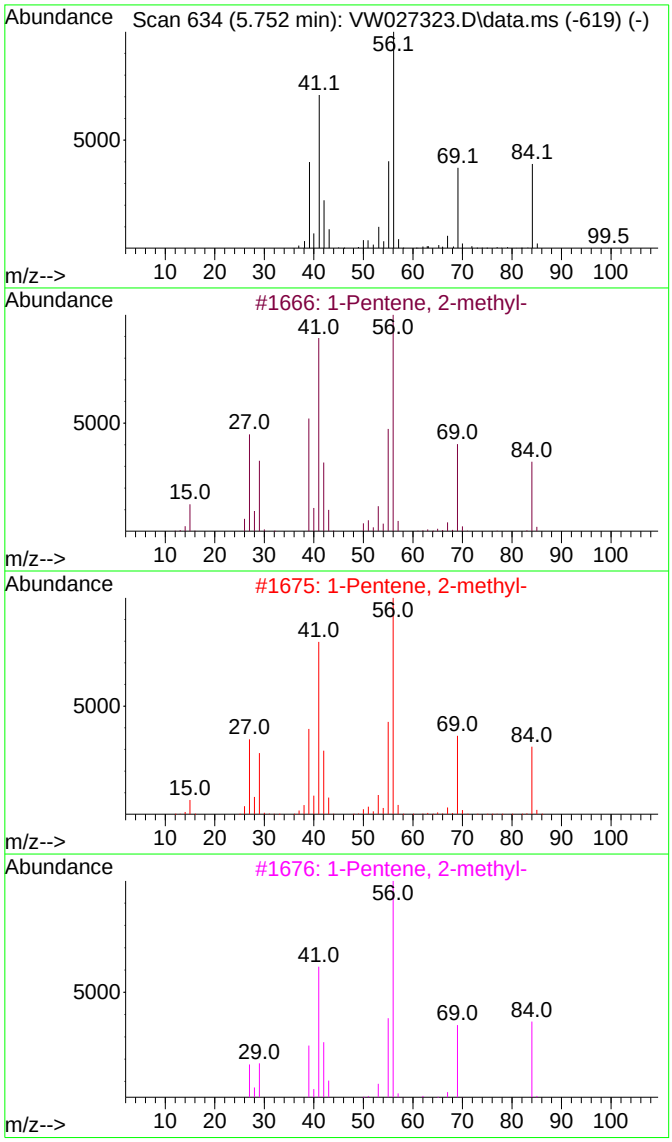
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

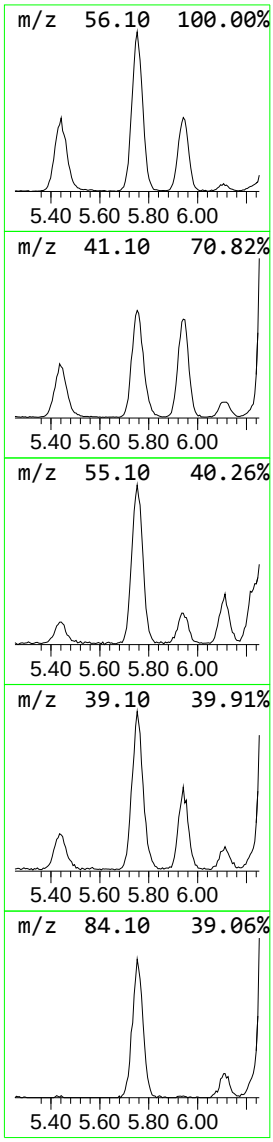
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.752	3.99 ug/L	365112	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	74
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

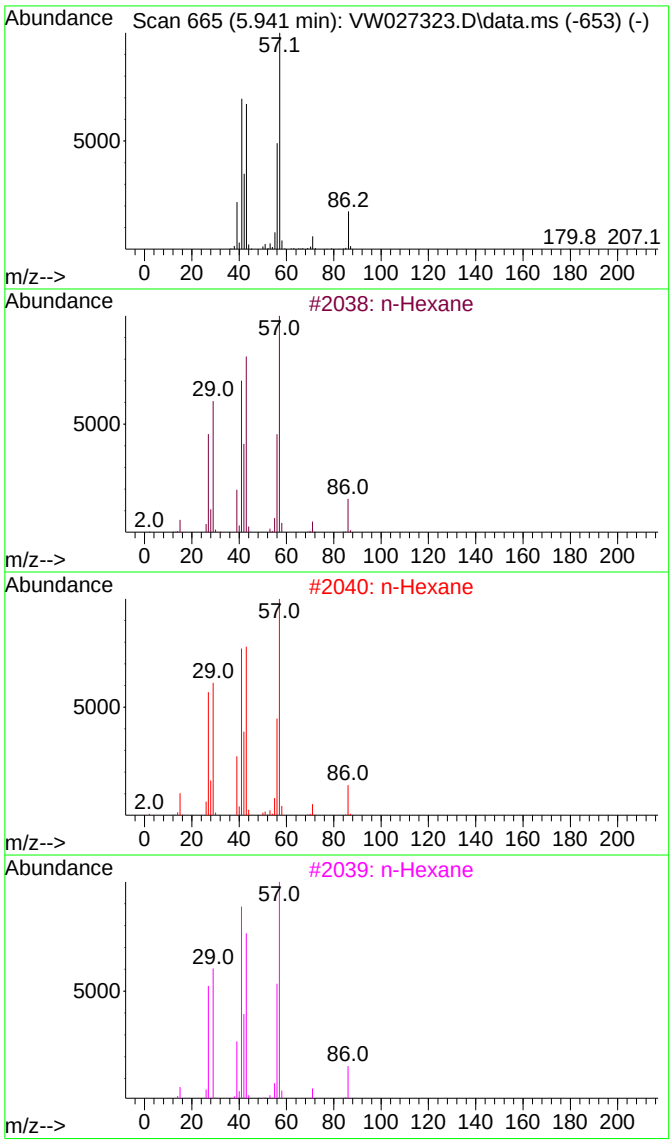
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

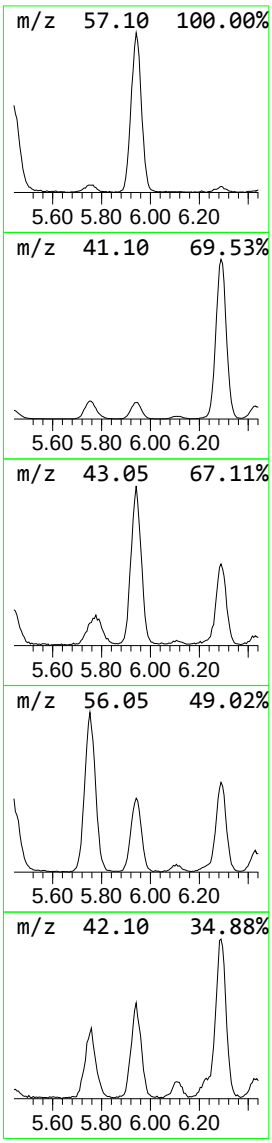
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	3.18 ug/L	290763	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	n-Hexane	86	C6H14	000110-54-3	80
5	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

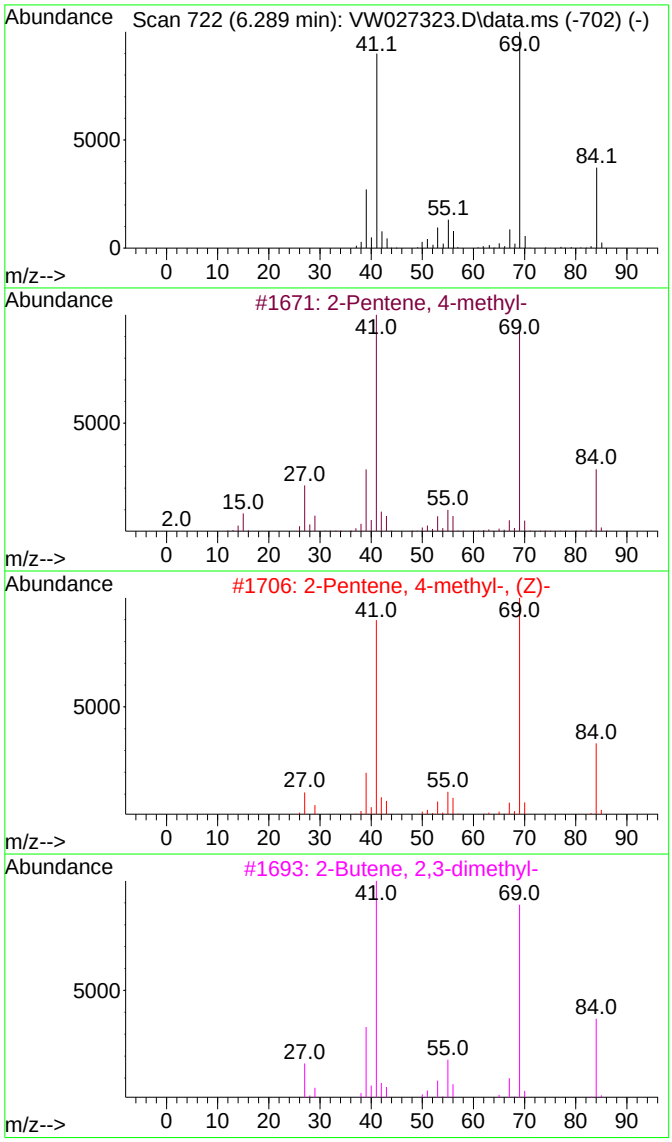
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

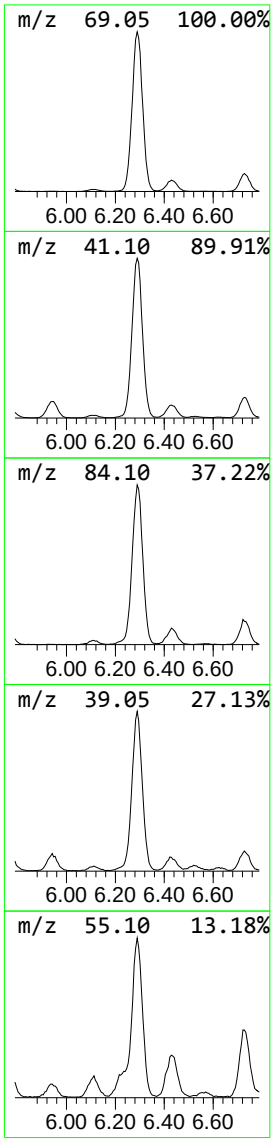
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.289	21.11 ug/L	1931670	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
2	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

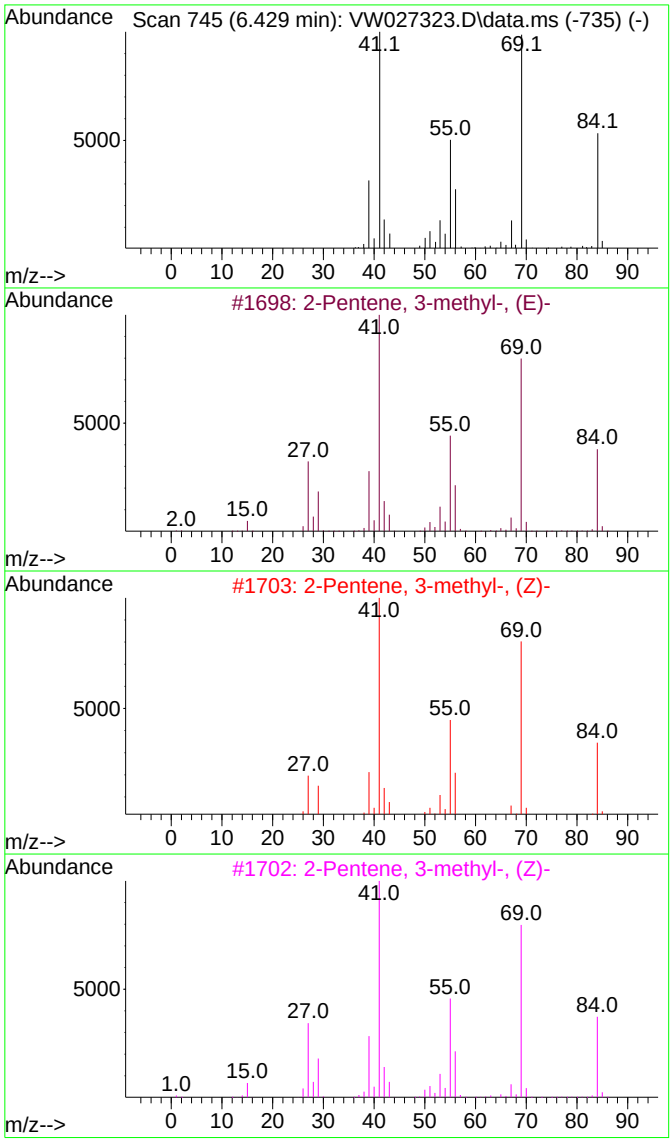
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

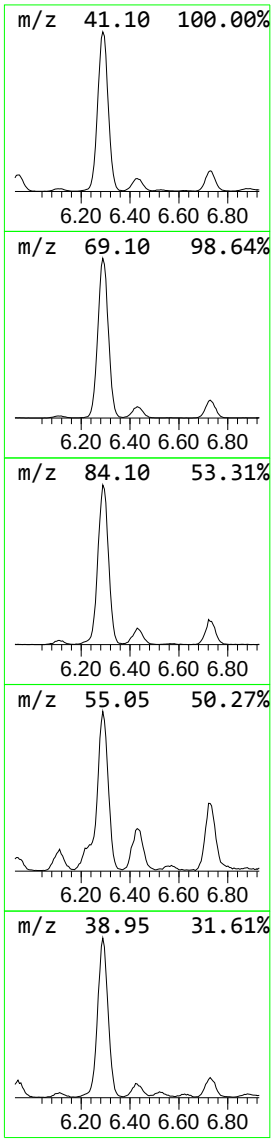
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.429	1.92 ug/L	176018	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

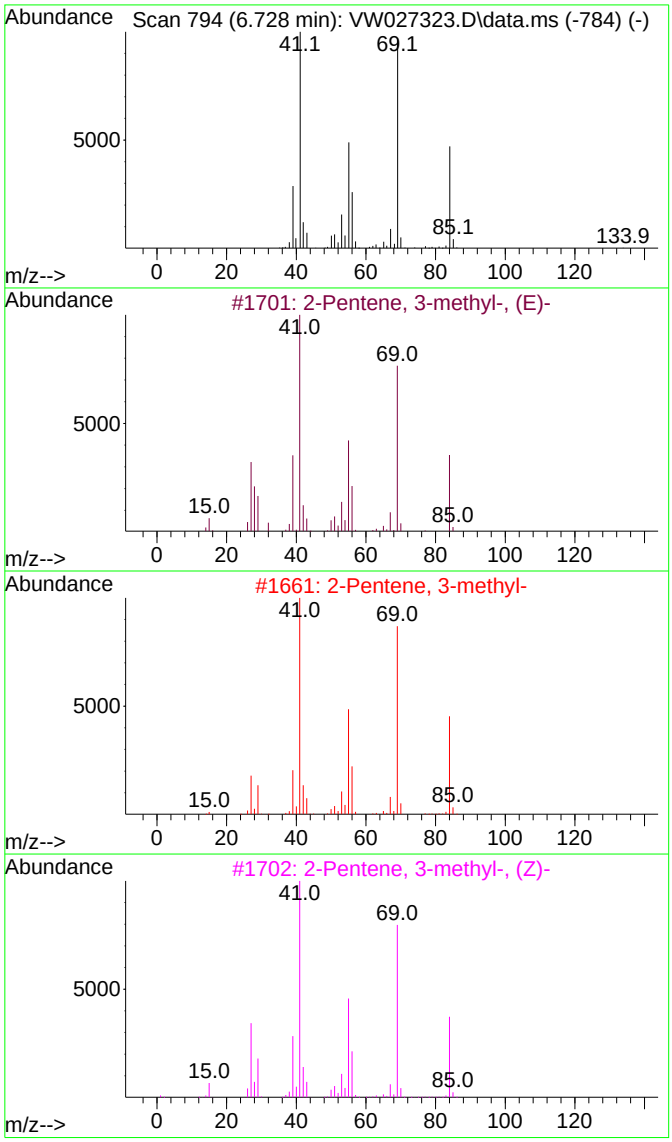
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

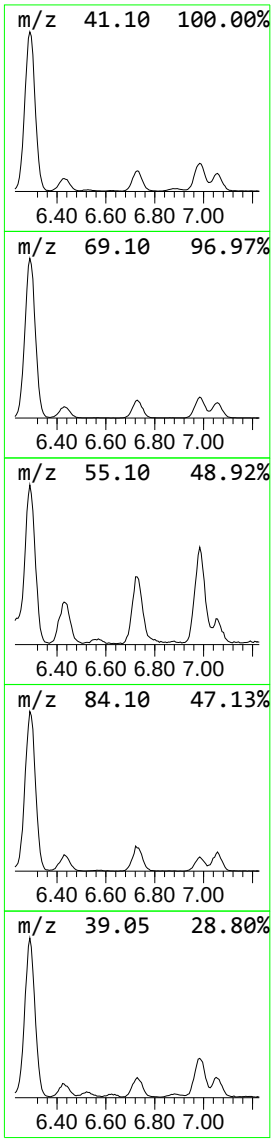
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.728	3.00 ug/L	274094	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	97
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	94
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	93
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

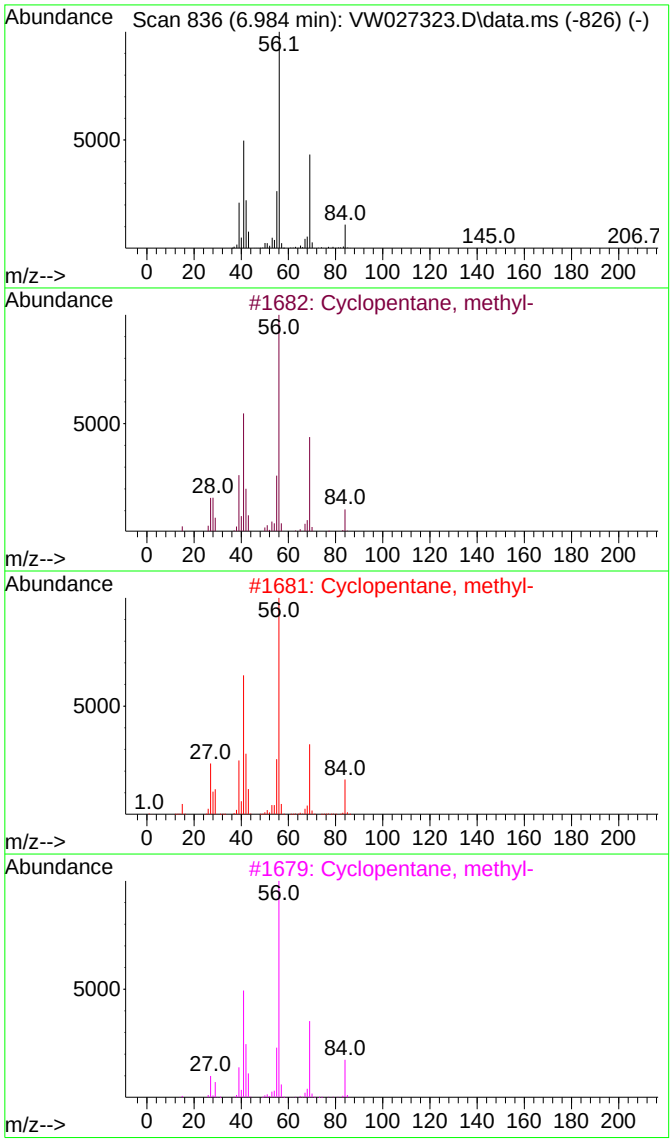
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

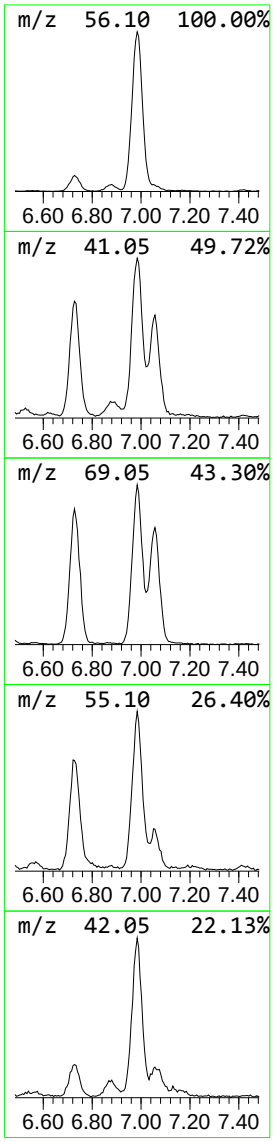
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic6.984 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	5.98 ug/L	547619	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclohexane	84	C6H12	000110-82-7	74
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

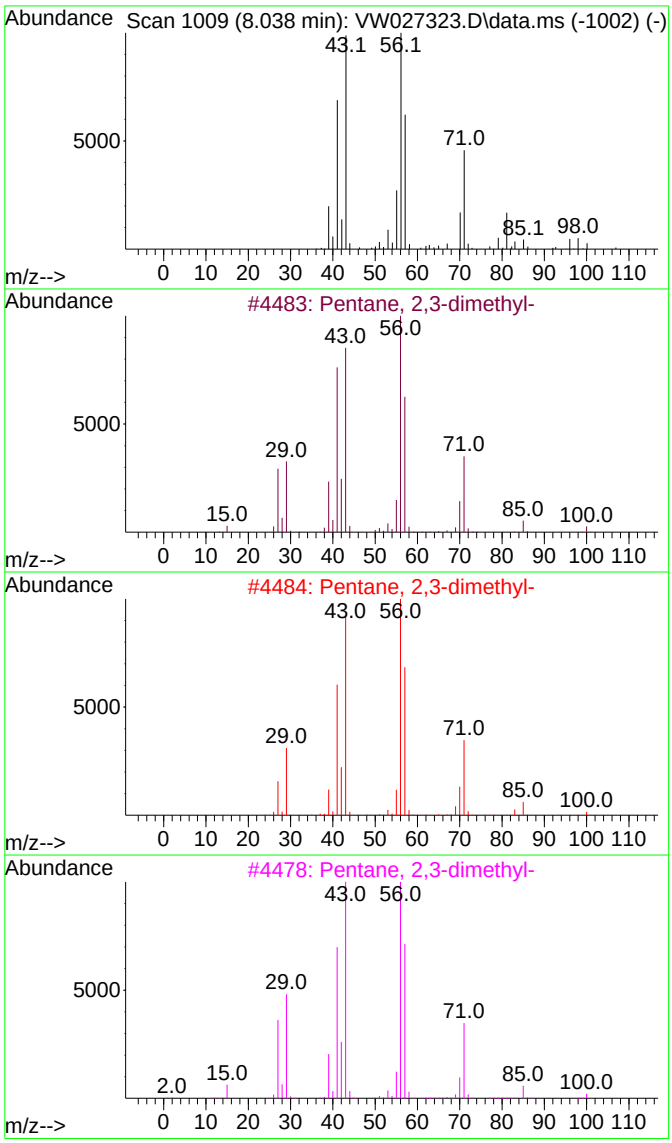
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

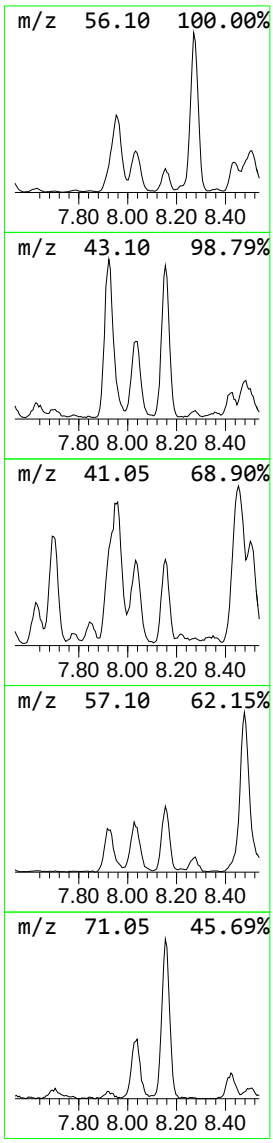
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.038	2.41 ug/L	220407	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	59
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	53
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	46
5	Heptane	100	C7H16	000142-82-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

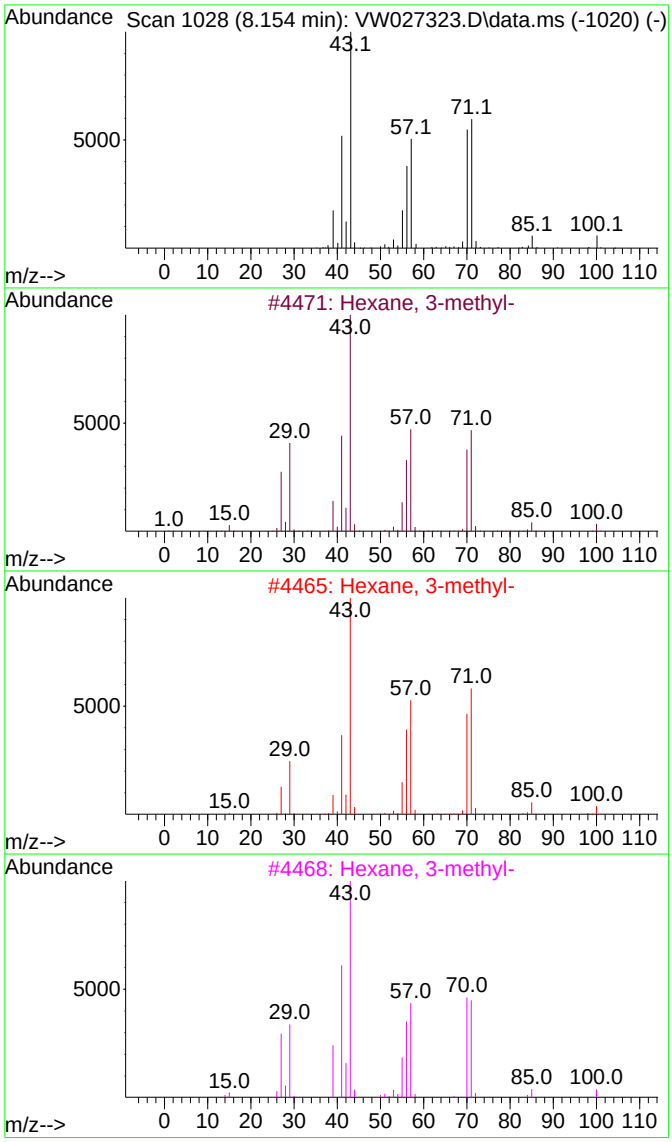
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

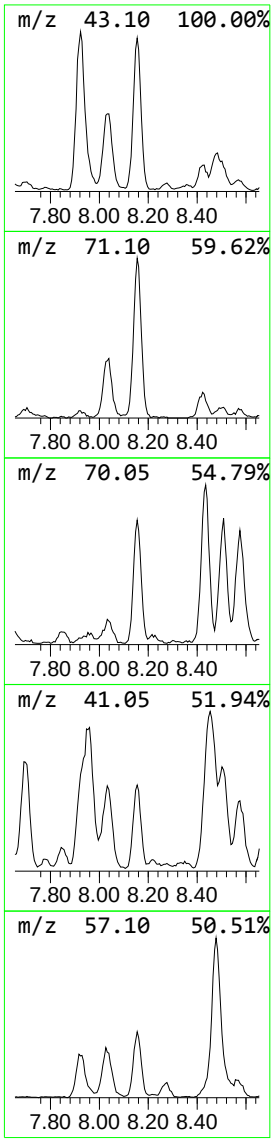
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	2.27 ug/L	207587	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

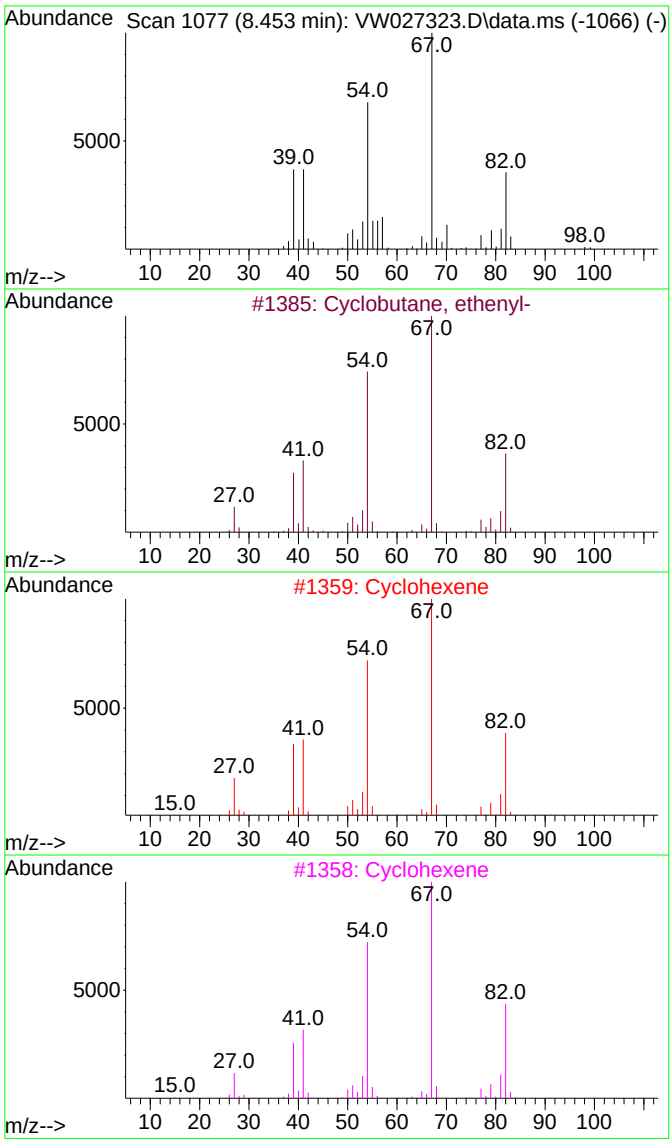
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

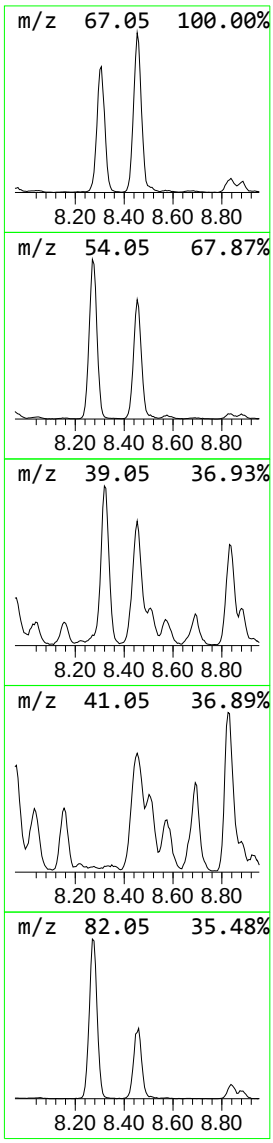
****

Peak Number 15 Cyclobutane, ethenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.453	8.10 ug/L	741489	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	93
2	Cyclohexene	82	C6H10	000110-83-8	87
3	Cyclohexene	82	C6H10	000110-83-8	83
4	Cyclohexene	82	C6H10	000110-83-8	81
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

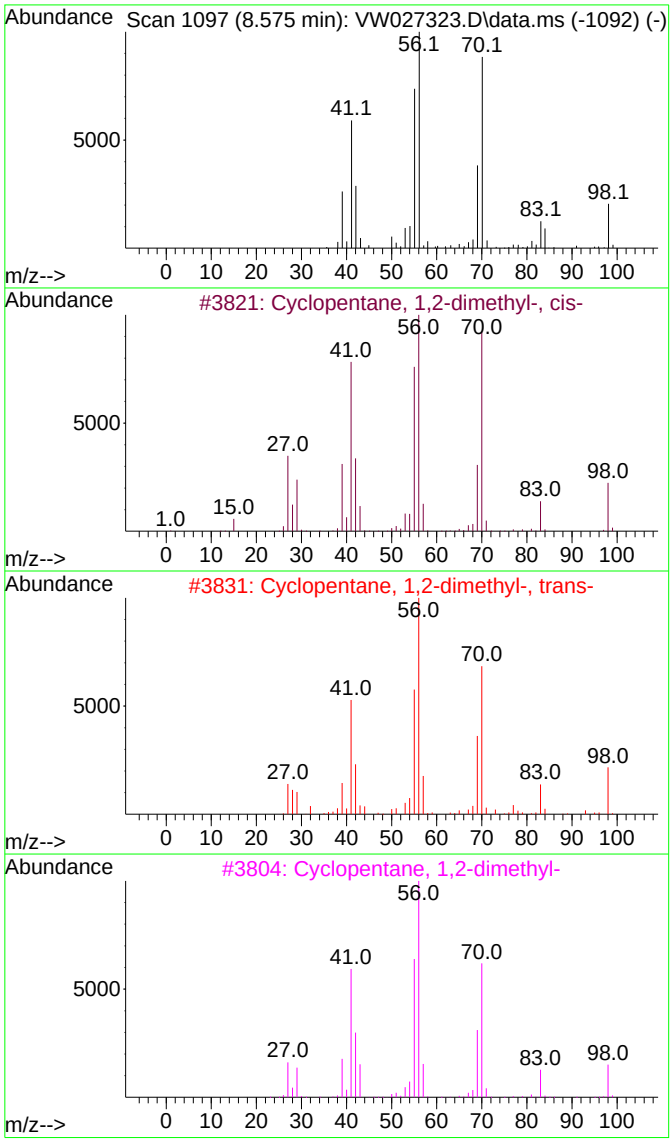
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

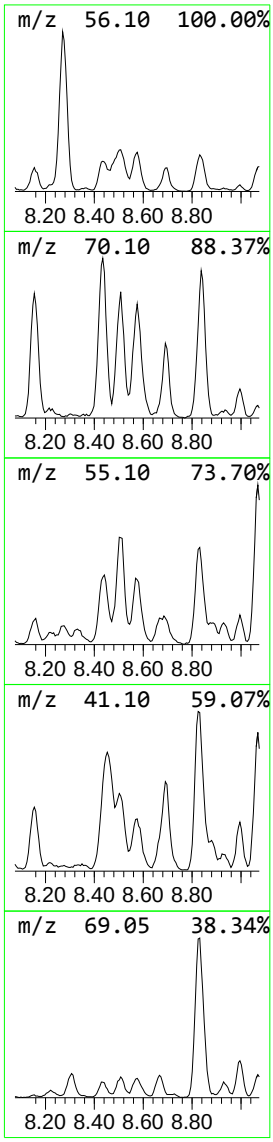
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic8.575 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	1.98 ug/L	180844	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	1-Heptene	98	C7H14	000592-76-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

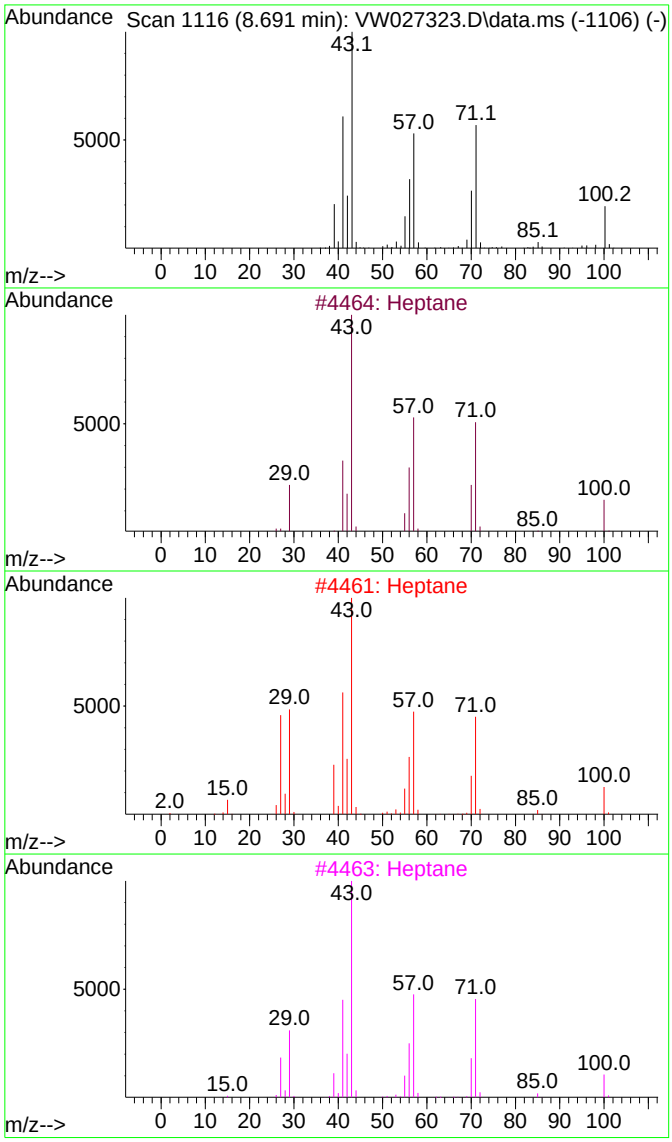
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

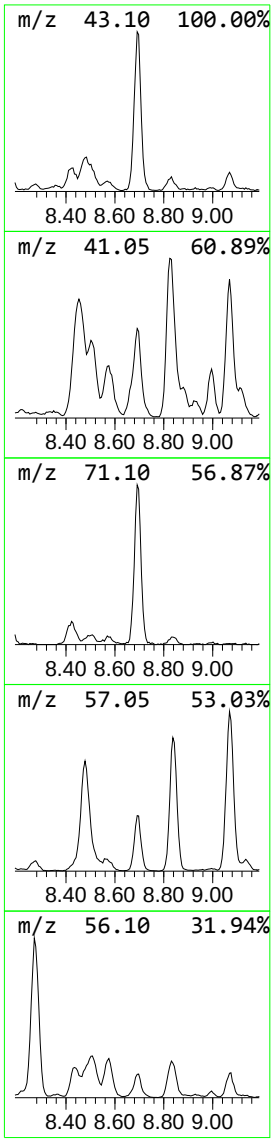
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	3.04 ug/L	277991	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	49
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

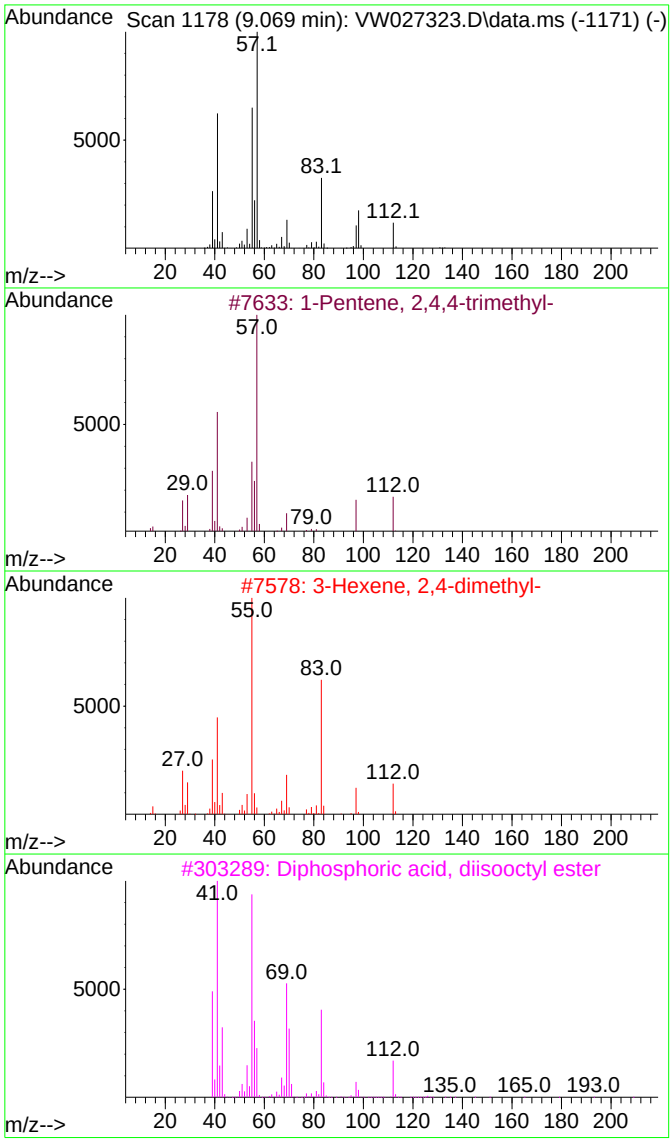
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

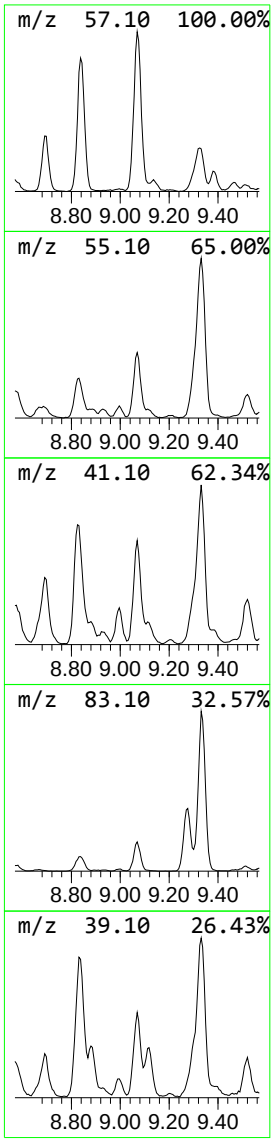
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.069	3.77 ug/L	344969	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	70
2	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	60
3	Diphosphoric acid, diisooctyl ester	402	C16H36O7P2	072101-07-6	58
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58
5	1-Butene, 2-ethyl-3-methyl-	98	C7H14	007357-93-9	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

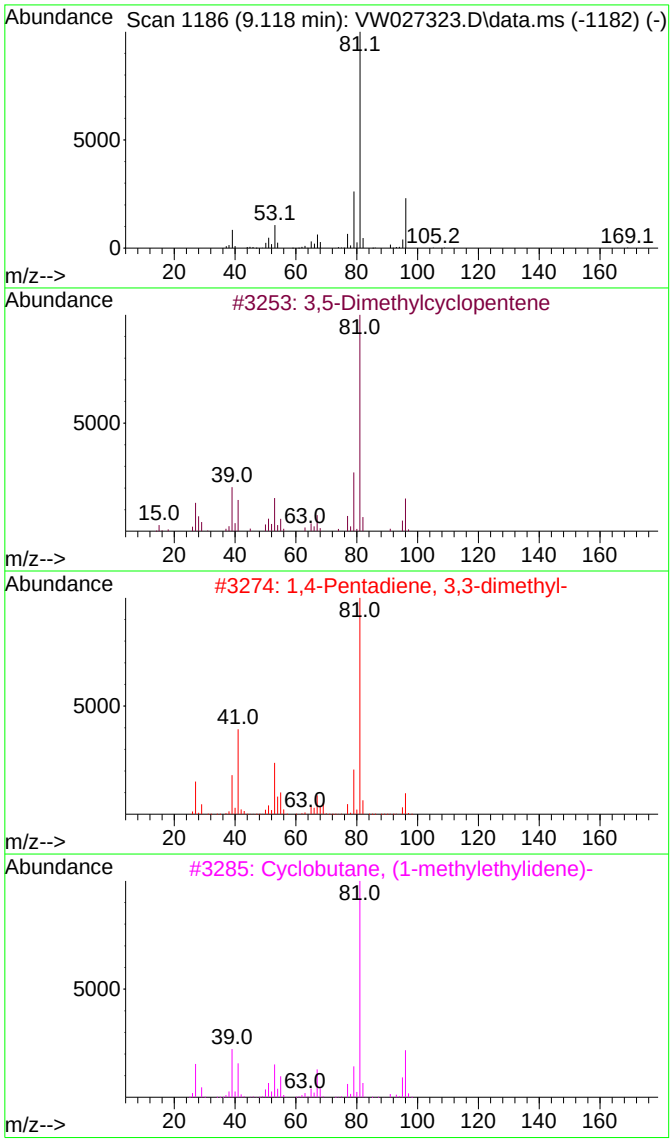
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

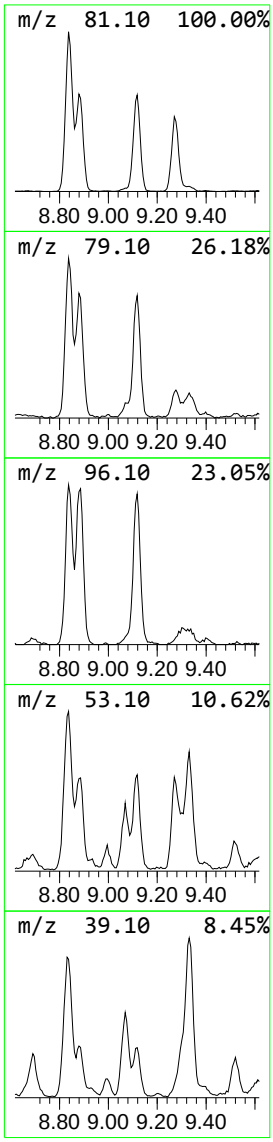
****

Peak Number 19 3,5-Dimethylcyclopentene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.118	2.36 ug/L	216254	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
2	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	64
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	64
5	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

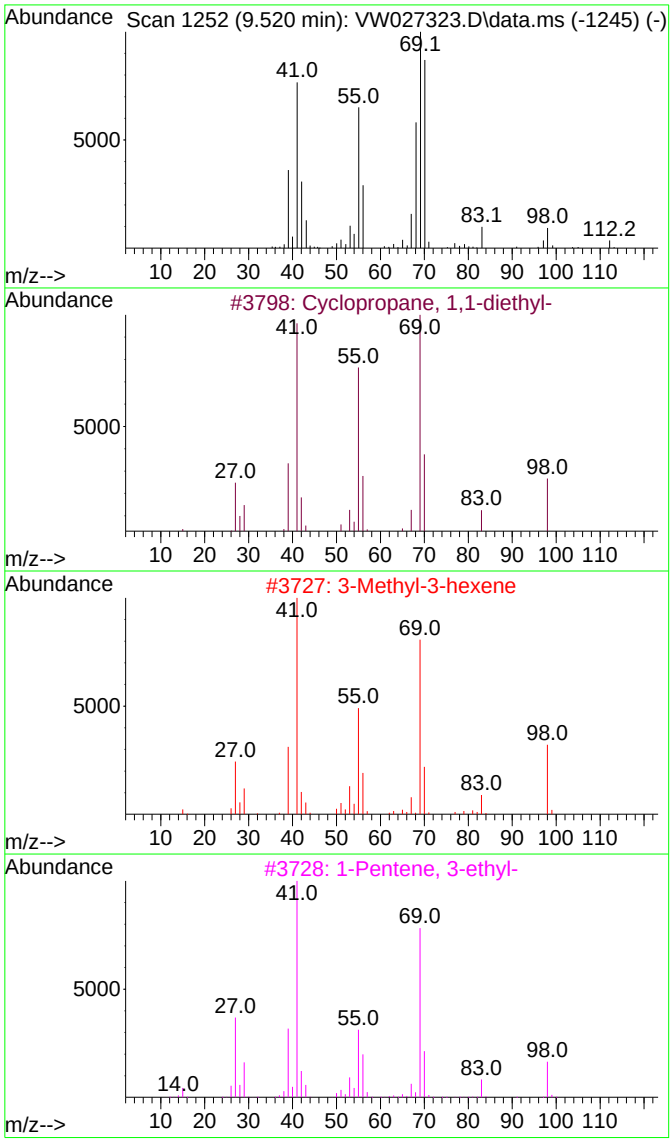
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

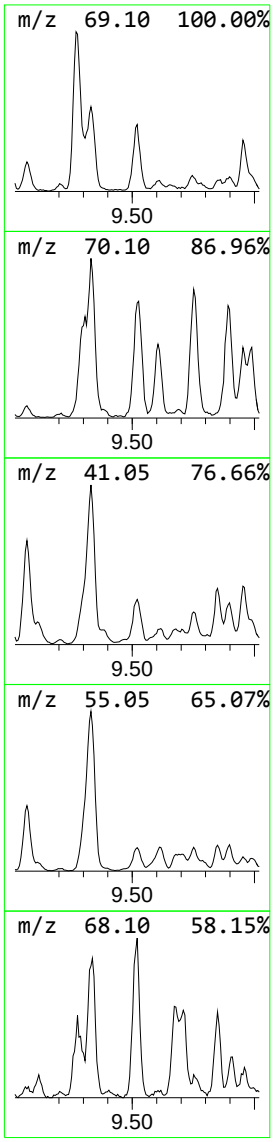
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic9.520 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.520	1.78 ug/L	163217	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	46
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	45
5	3-Methyl-2-hexene	98	C7H14	017618-77-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

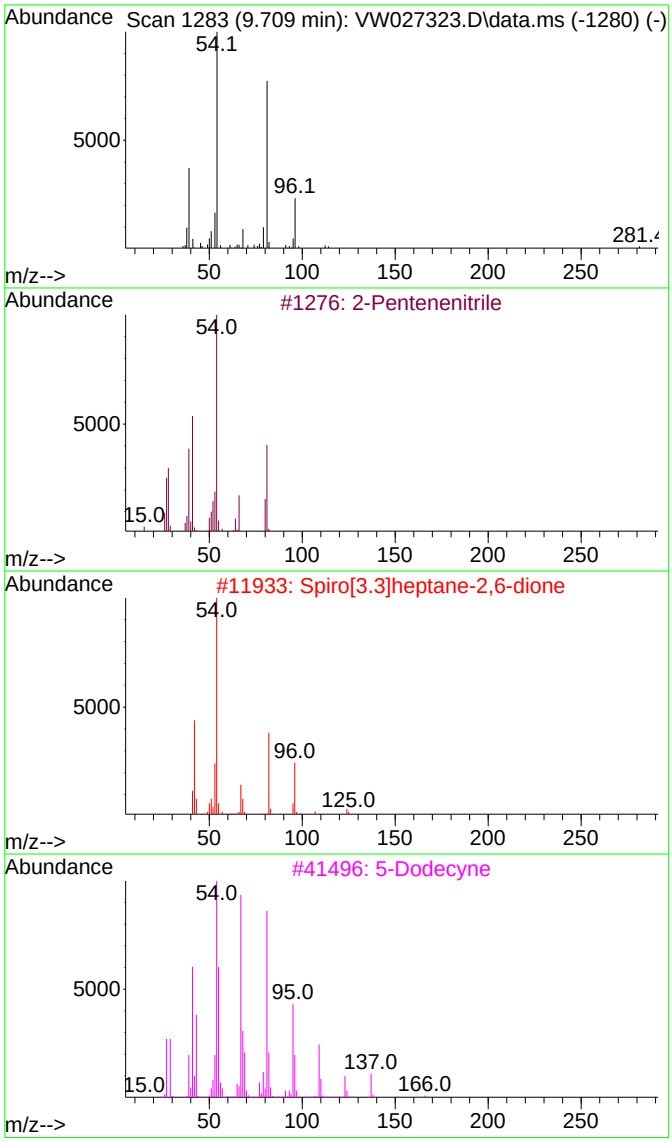
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

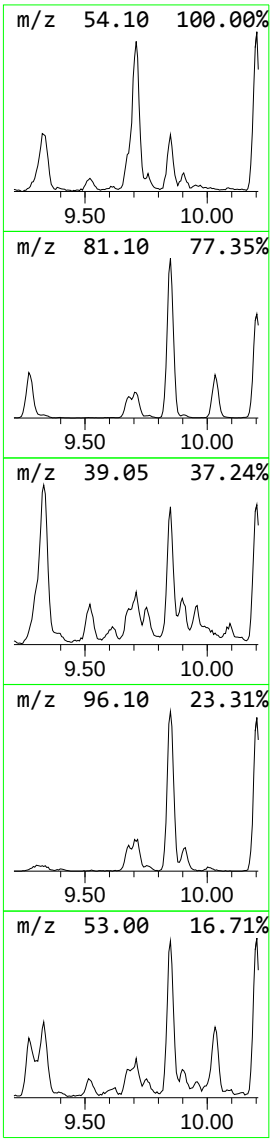
****

Peak Number 21 2-Pentenenitrile Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.709	1.32 ug/L	120439	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenenitrile	81	C5H7N	013284-42-9	56
2	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	50
3	5-Dodecyne	166	C12H22	019780-12-2	43
4	Pyrazine, tetramethyl-	136	C8H12N2	001124-11-4	36
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

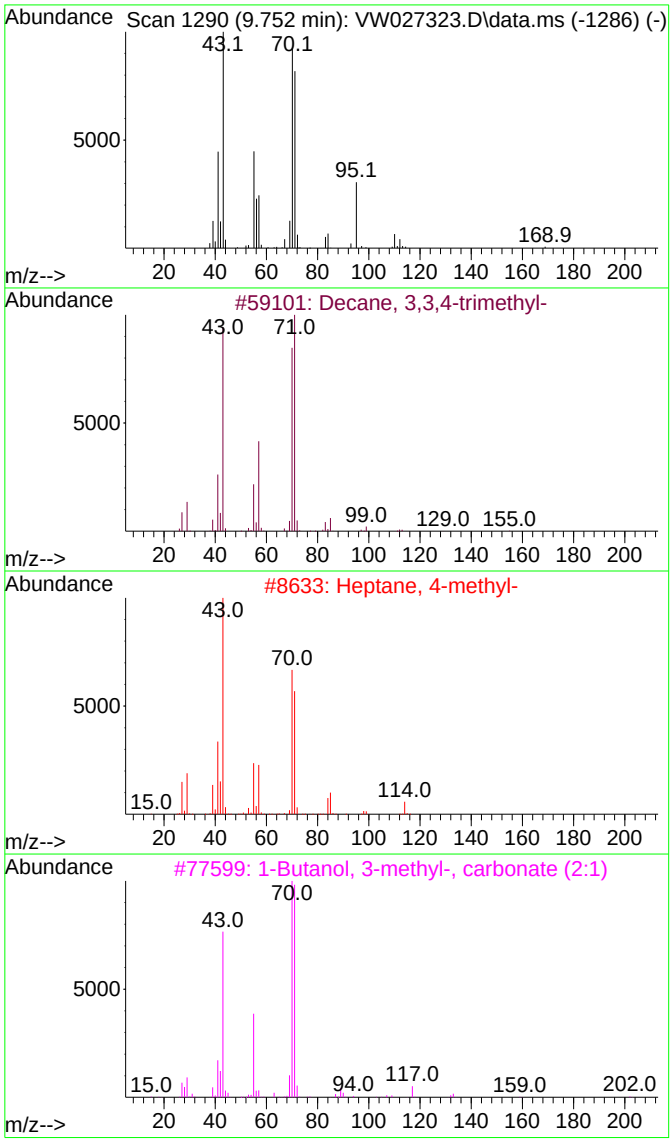
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

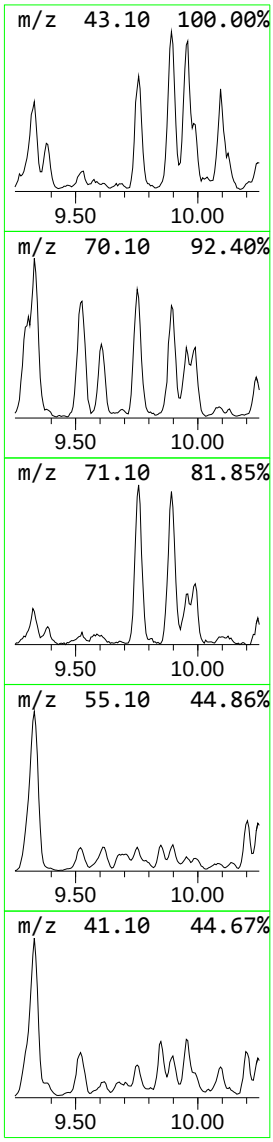
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	1.85 ug/L	169068	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
3	1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

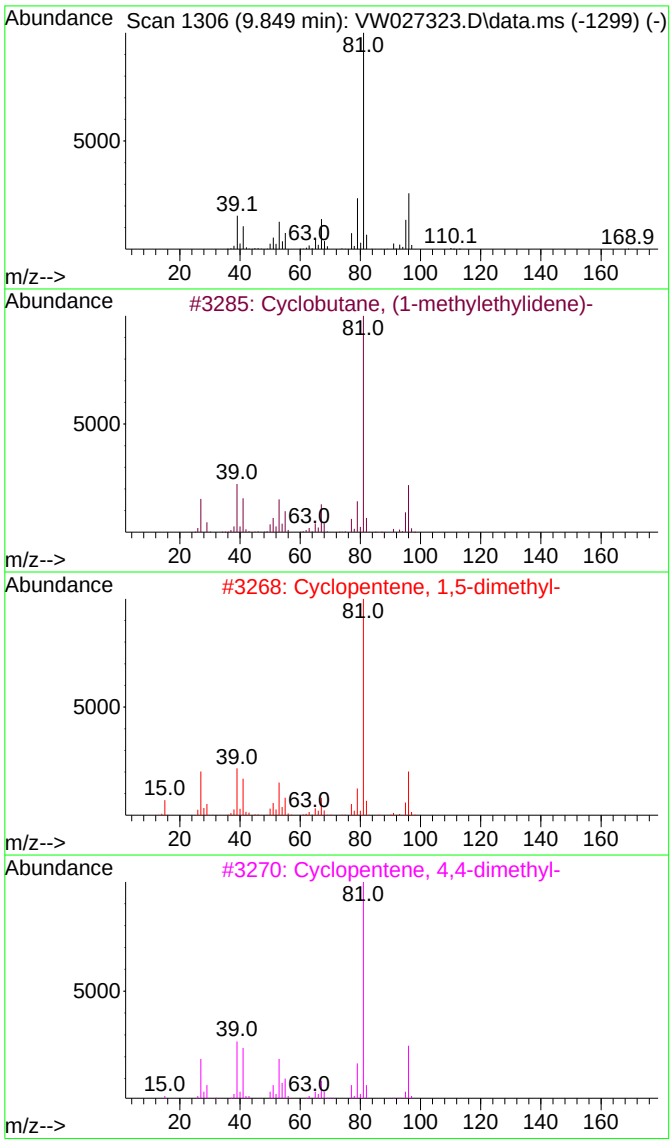
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

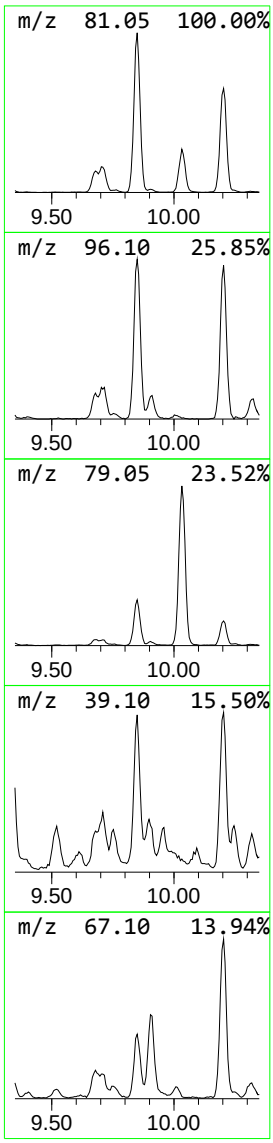
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Cyclobutane, (1-methylethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.849	6.06 ug/L	554155	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

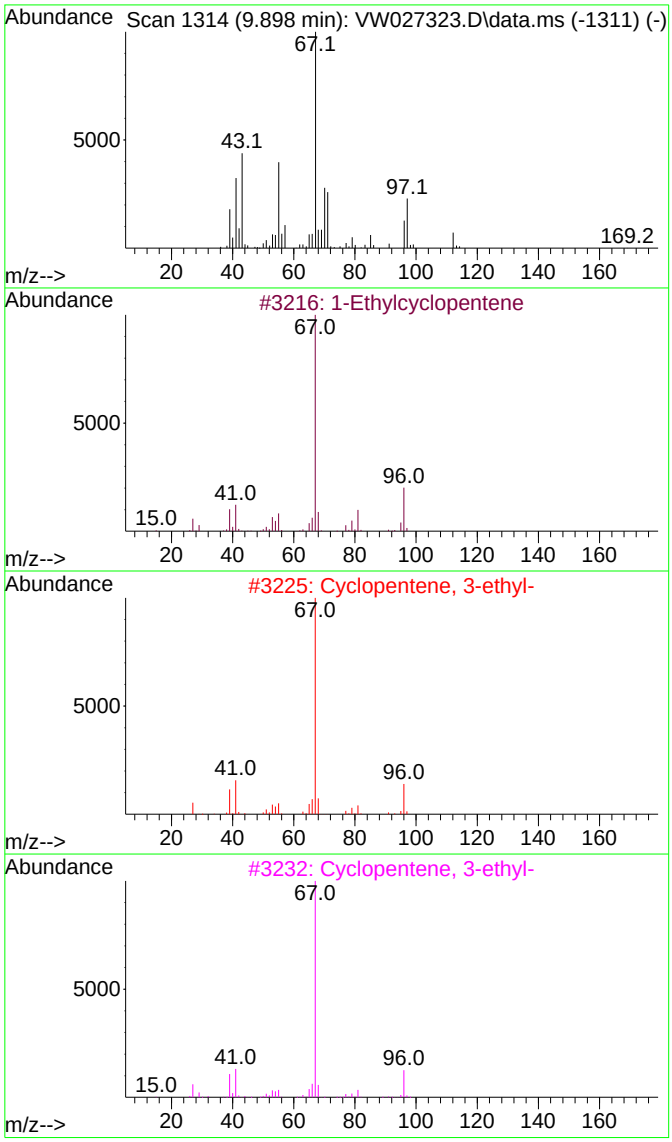
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

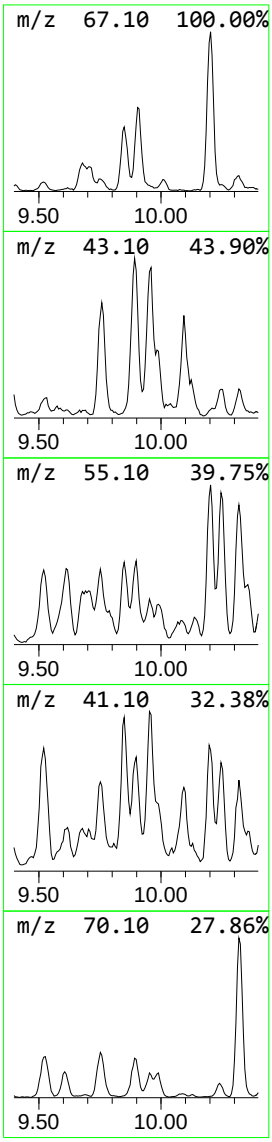
****

Peak Number 24 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	2.23 ug/L	204152	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethylcyclopentene	96	C7H12	002146-38-5	46
2	Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	46
3	Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	46
4	1-Ethylcyclopentene	96	C7H12	002146-38-5	46
5	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

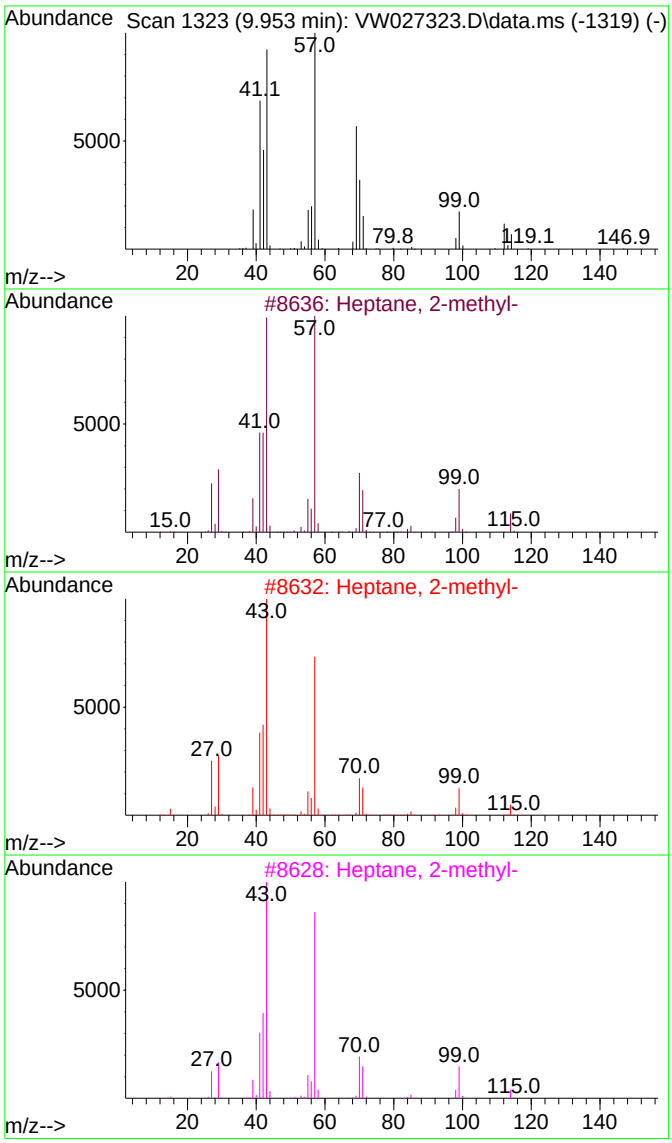
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

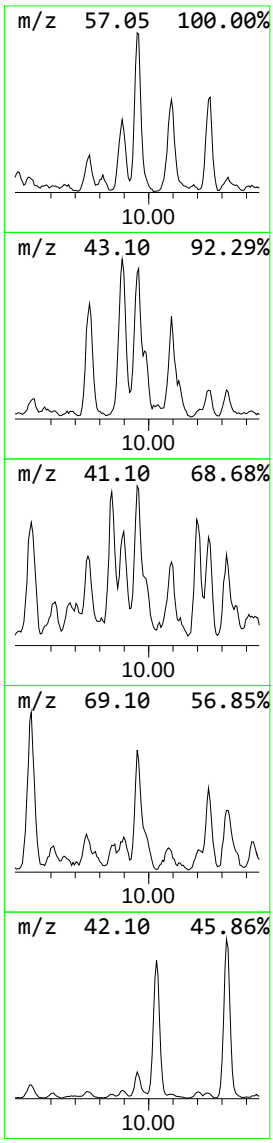
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	1.85 ug/L	169489	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	68
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47
5	Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

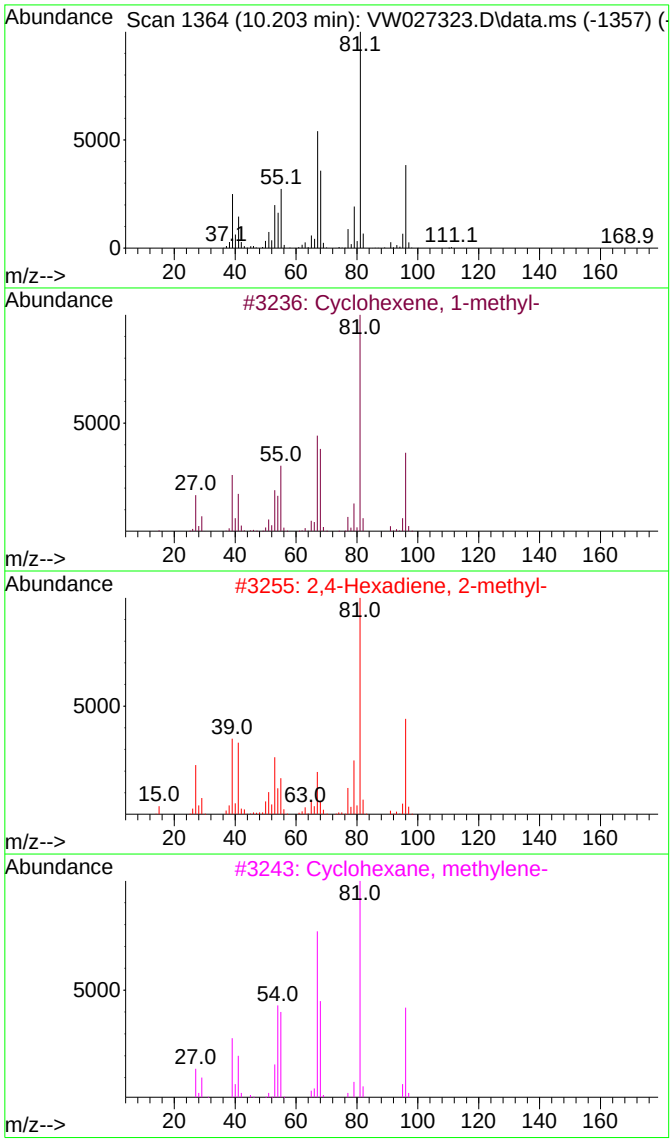
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

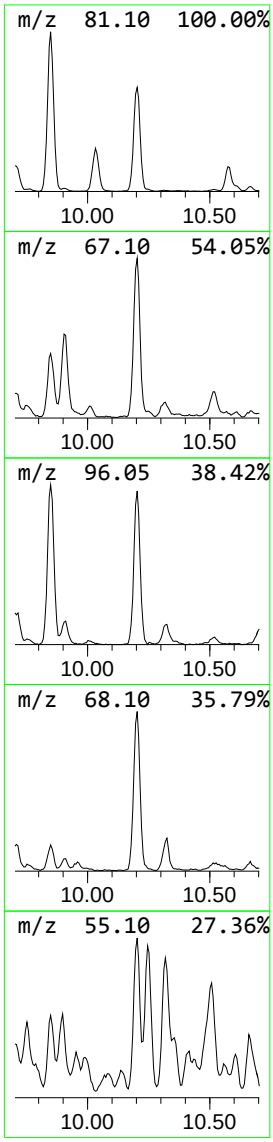
****

Peak Number 27 Cyclohexene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.203	5.86 ug/L	536488	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

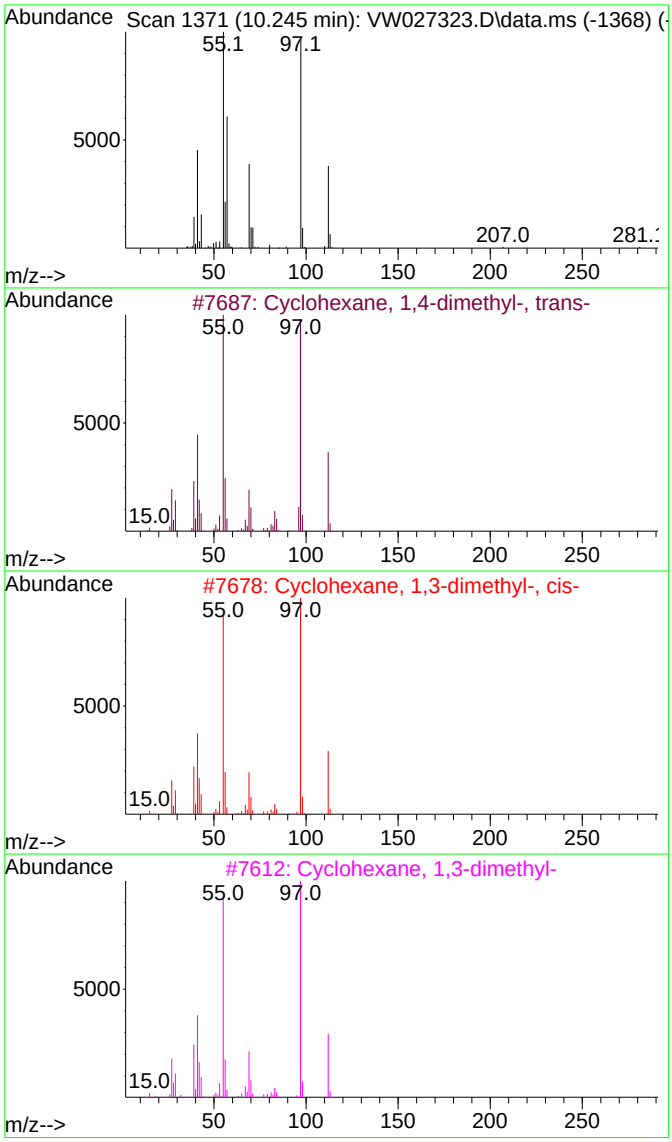
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

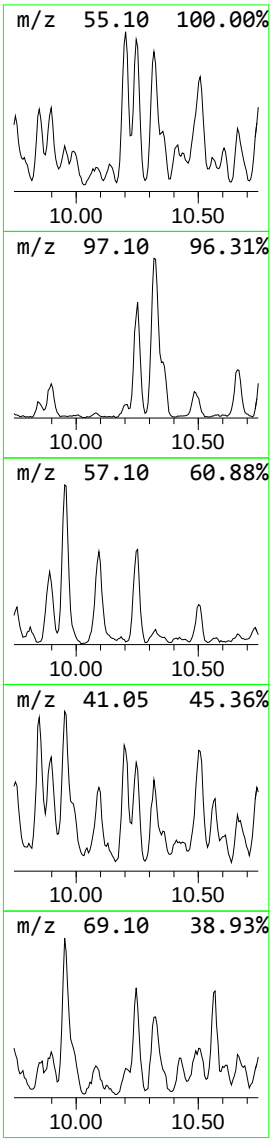
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic10.245 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.245	1.66 ug/L	150380	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
3	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	80
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

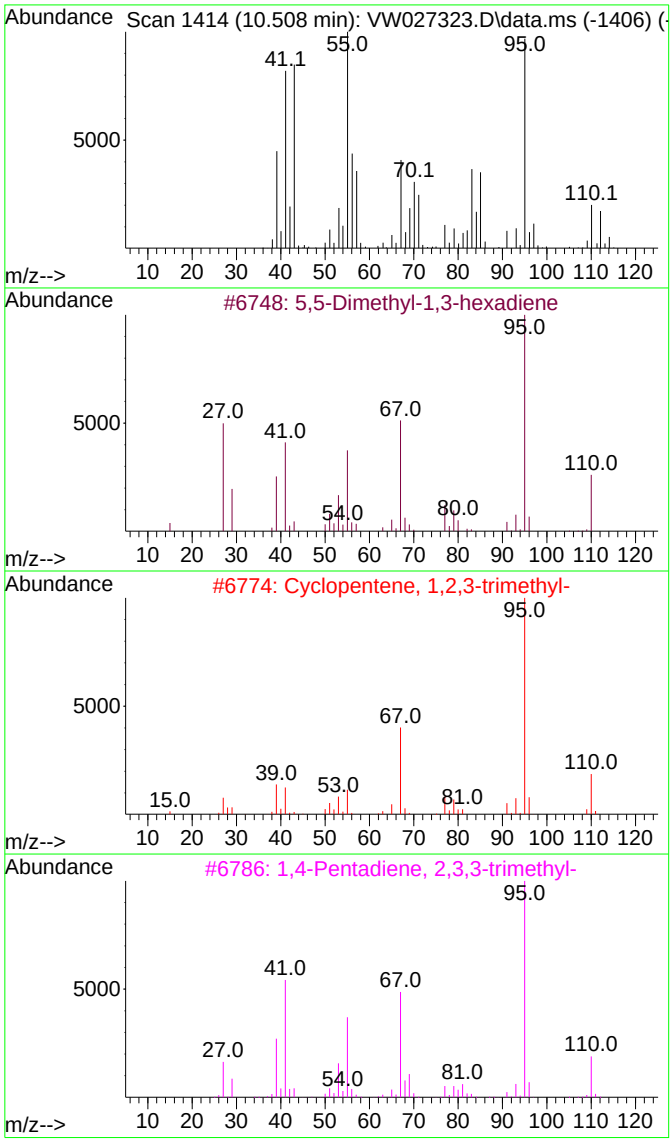
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

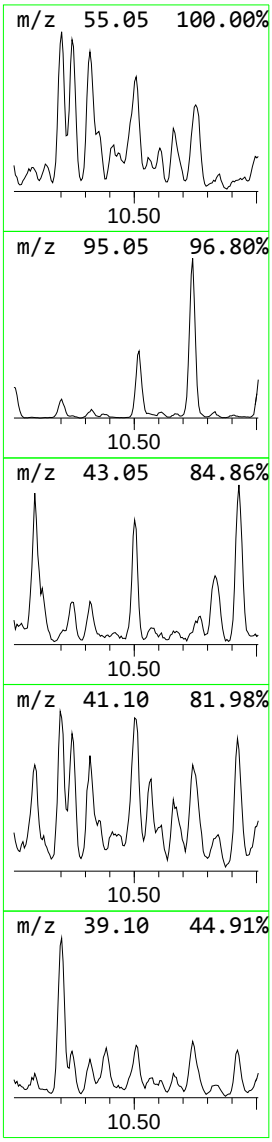
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 5,5-Dimethyl-1,3-hexadiene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.508	2.45 ug/L	221512	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	55
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	55
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	55
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	55
5	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

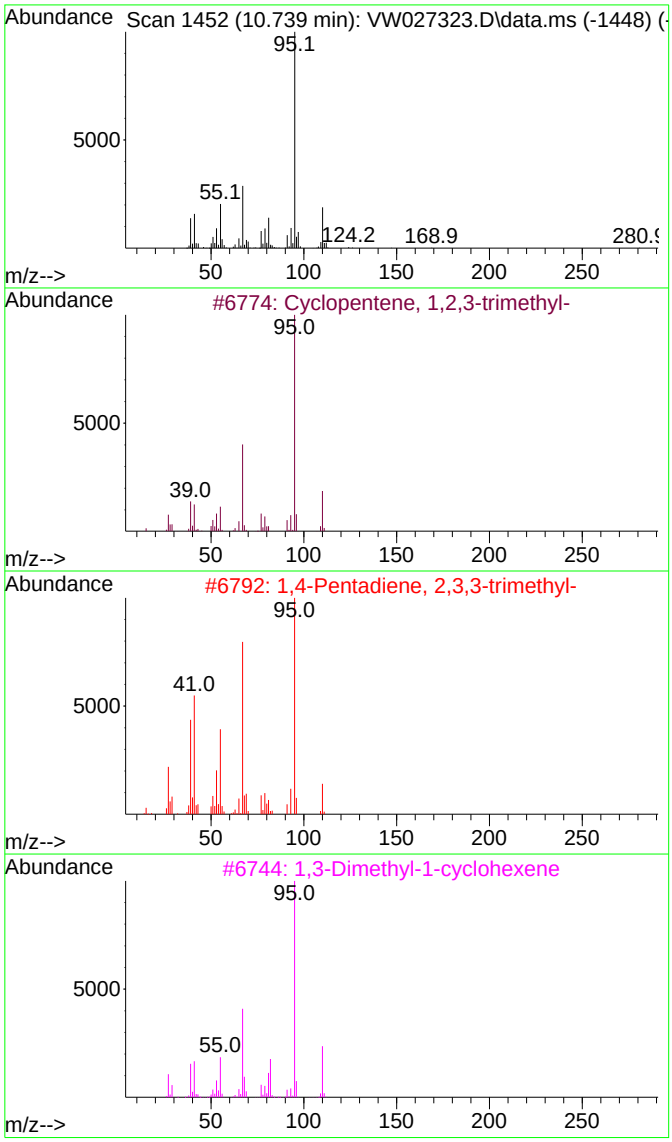
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

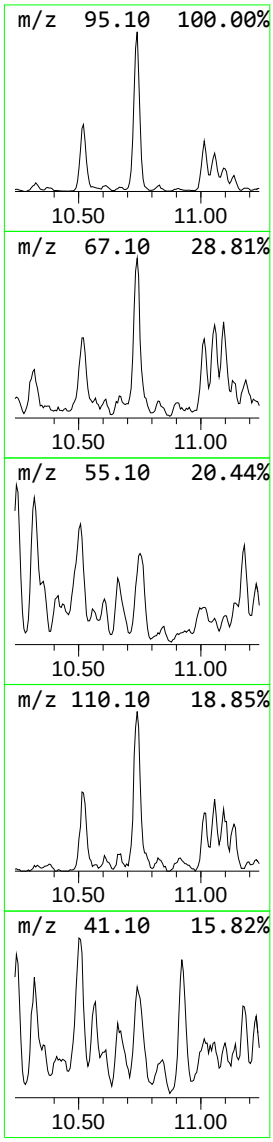
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	3.21 ug/L	290515	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	83
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
4	Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	64
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

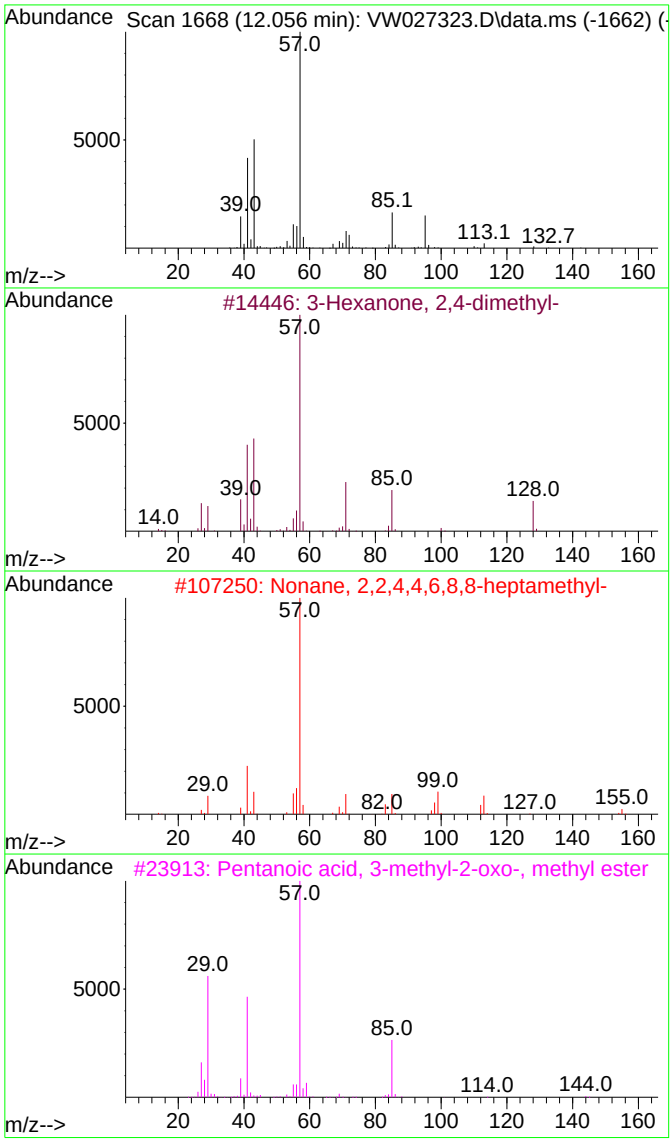
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

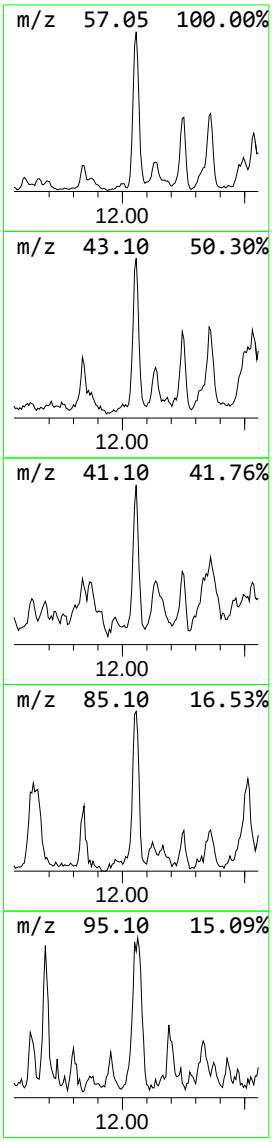
****

Peak Number 31 unknown-02 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	1.27 ug/L	115124	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	47
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	43
3	Pentanoic acid, 3-methyl-2-oxo-,...	144	C7H12O3	003682-42-6	40
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	38
5	trans-2-Hexenyl 2-methylbutyrate	184	C11H20O2	1000433-23-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

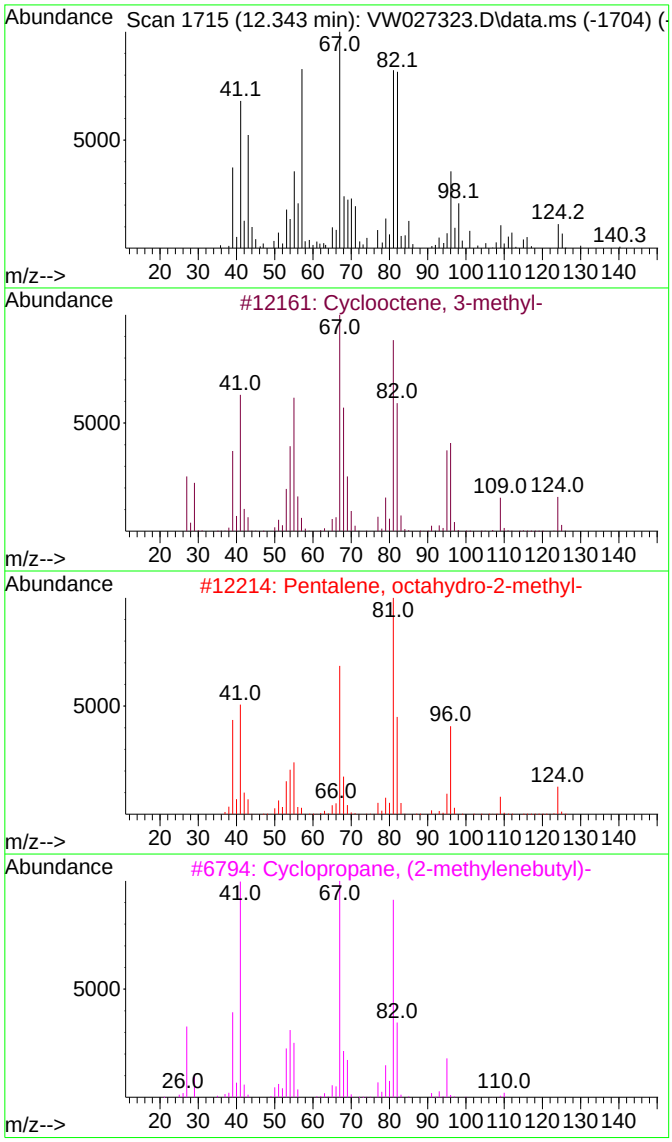
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

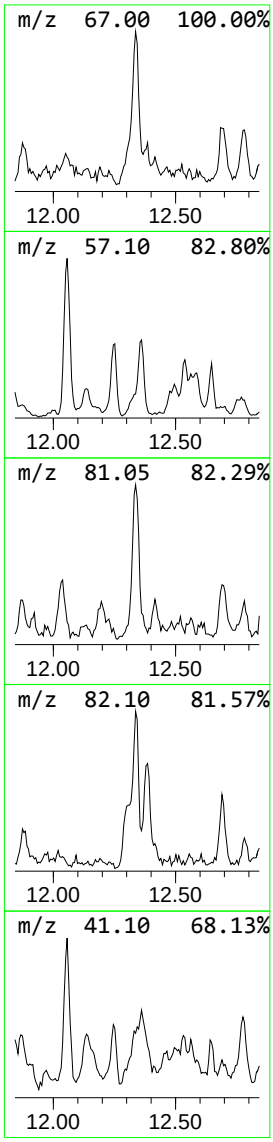
****

Peak Number 32 Cyclooctene, 3-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.343	1.26 ug/L	114255	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	58
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
3	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	45
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	43
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

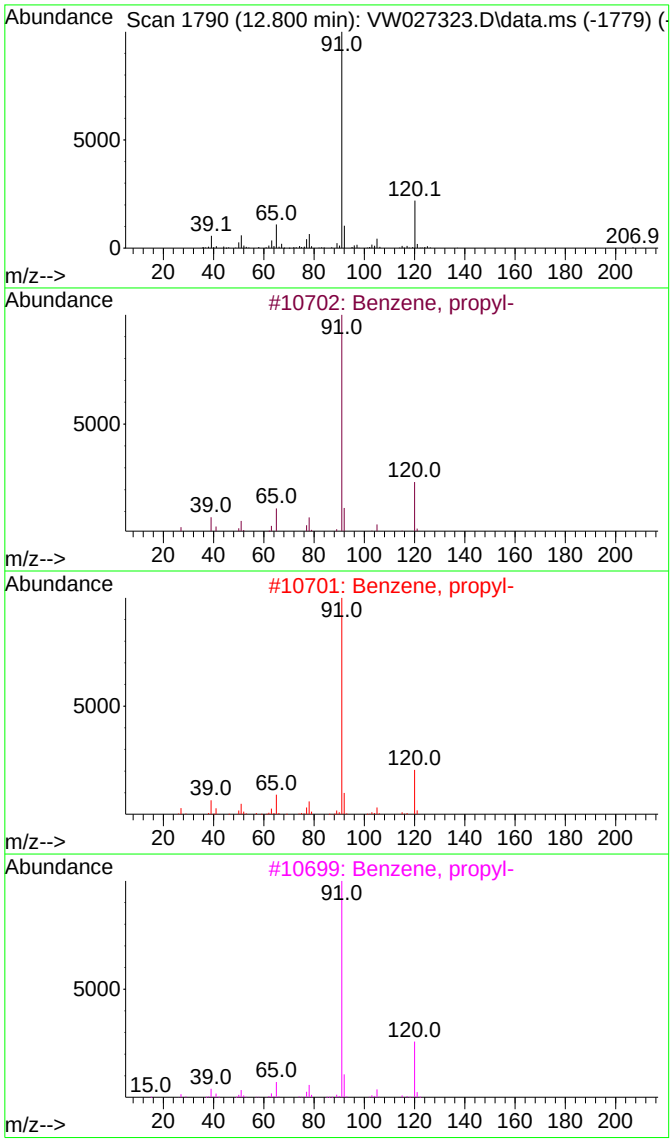
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

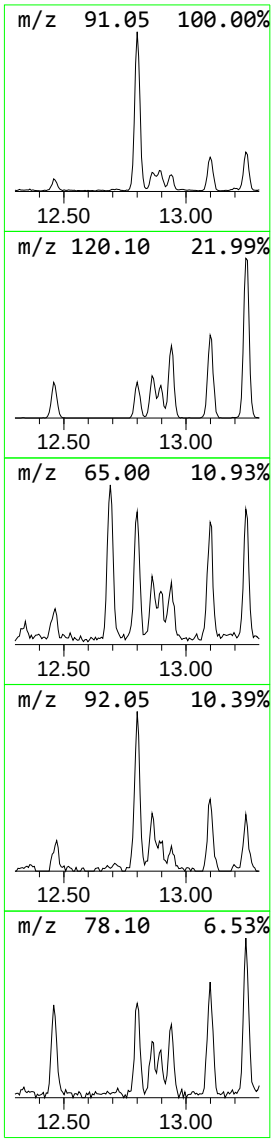
****

Peak Number 34 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.800	3.18 ug/L	165799	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

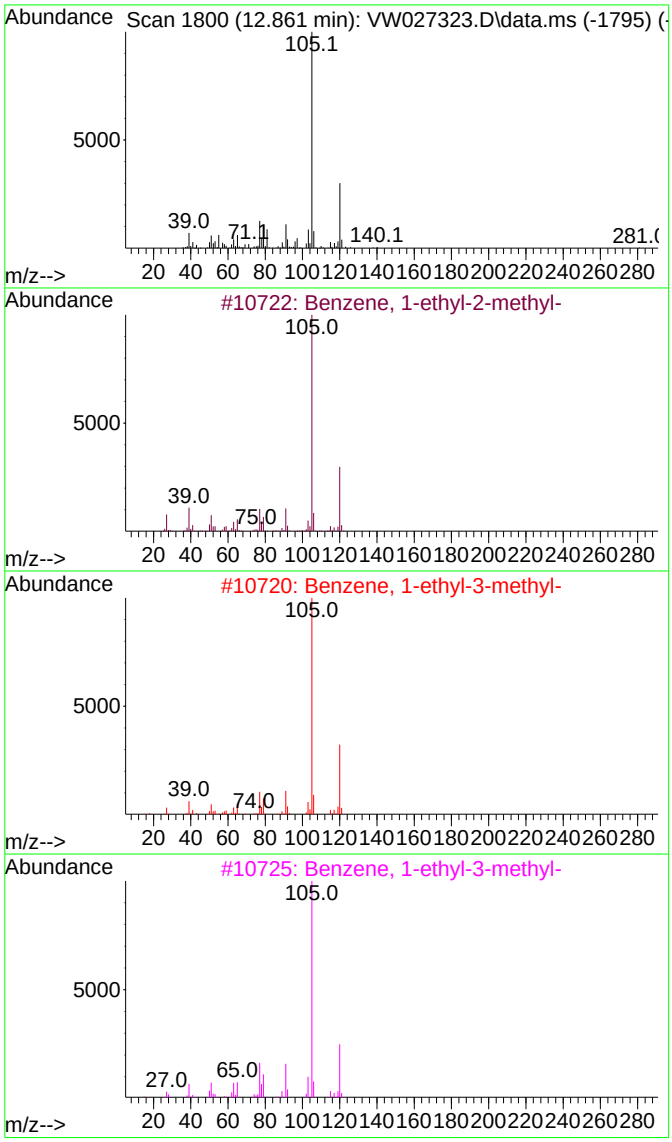
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

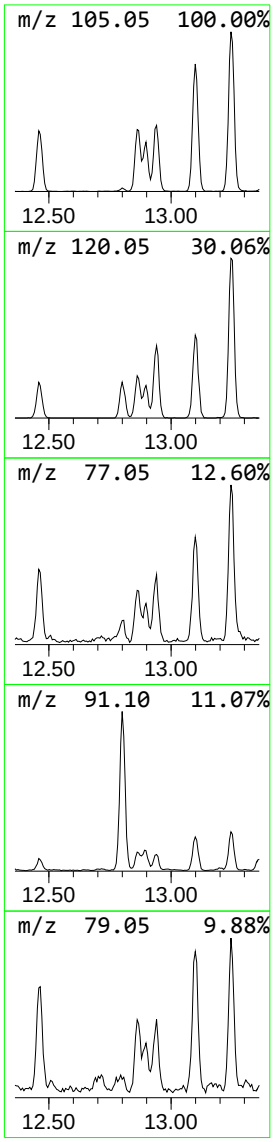
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	2.47 ug/L	128766	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

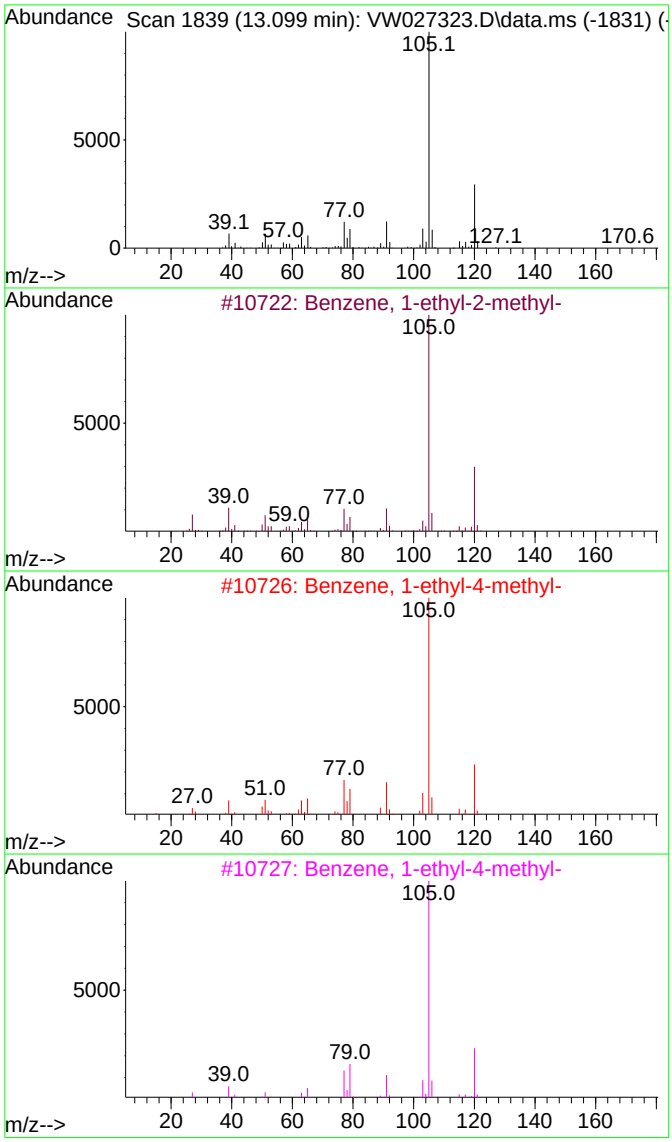
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

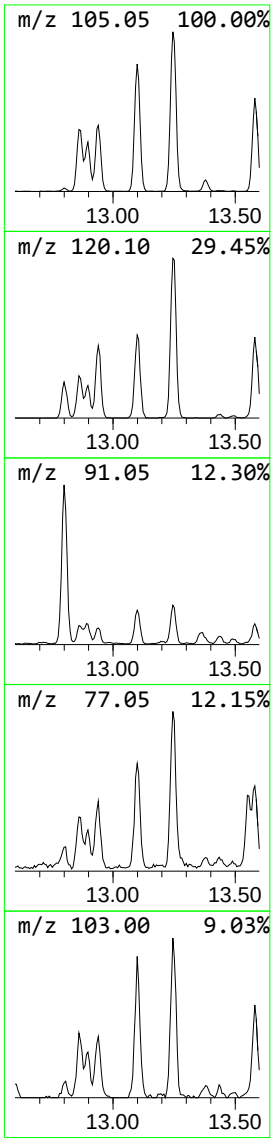
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	5.28 ug/L	274653	1,4-Dichlorobenzene-d4	13.556

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

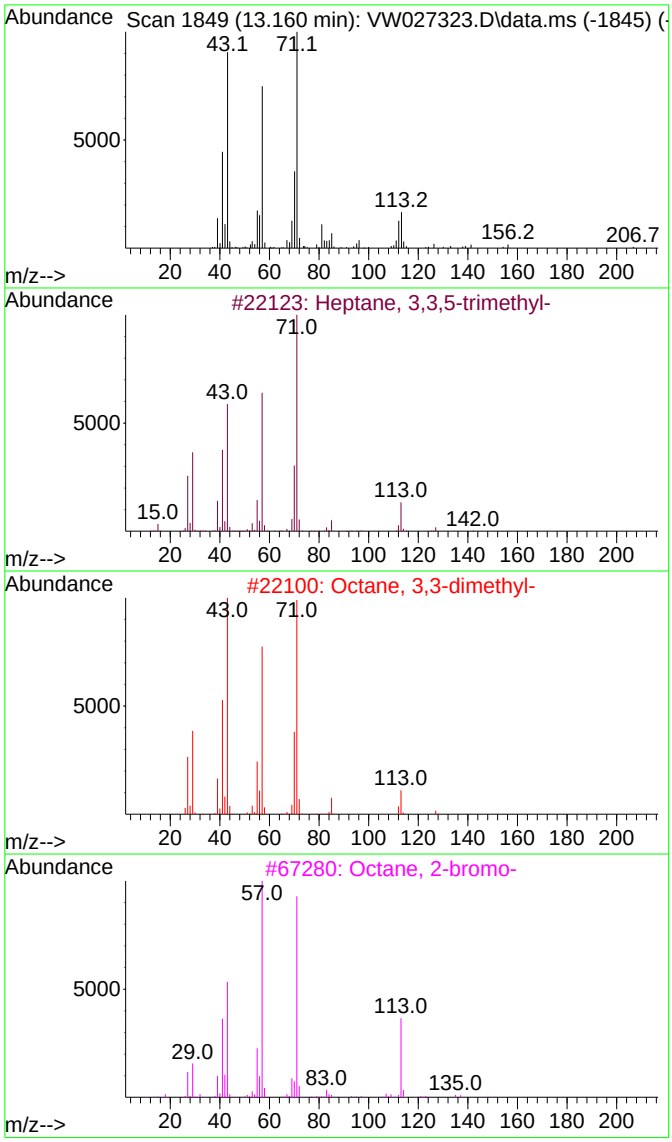
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

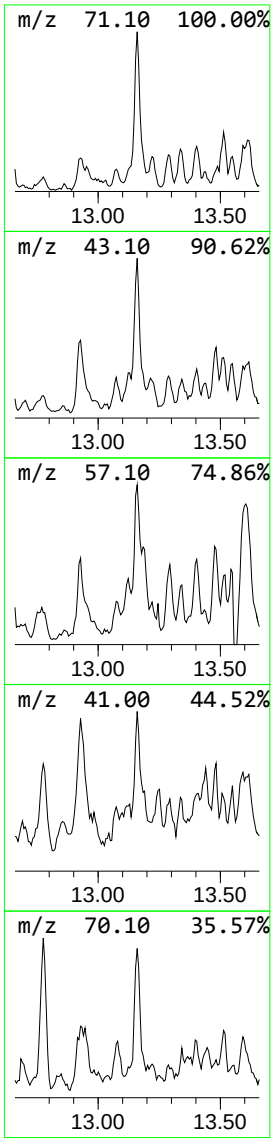
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	2.17 ug/L	112869	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59
4	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	59
5	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

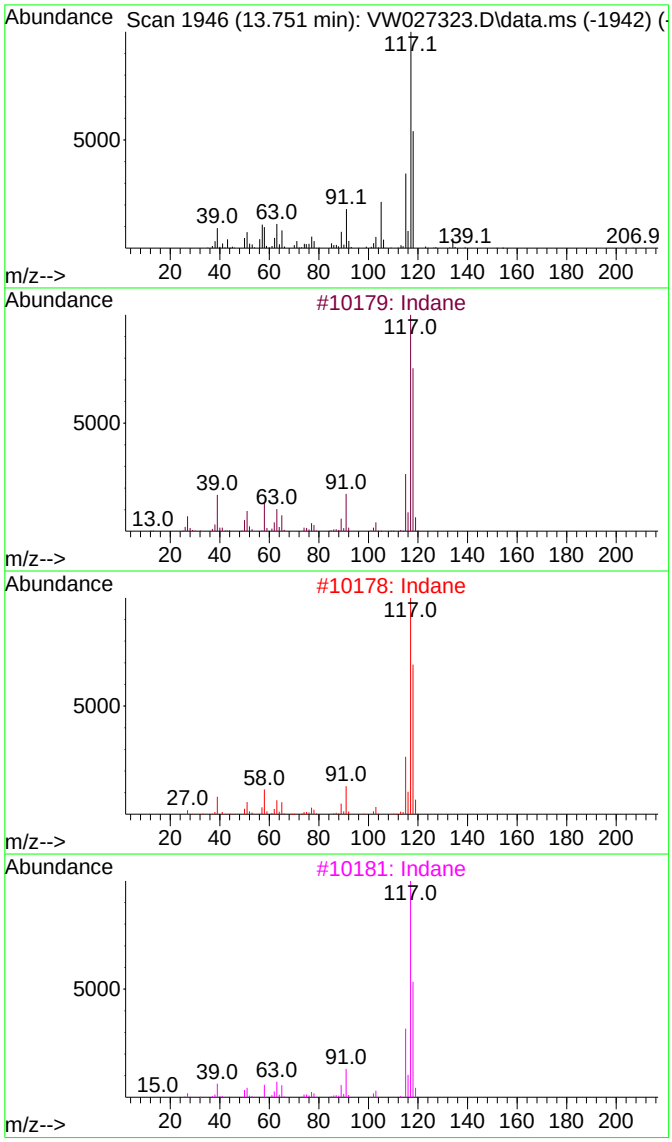
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

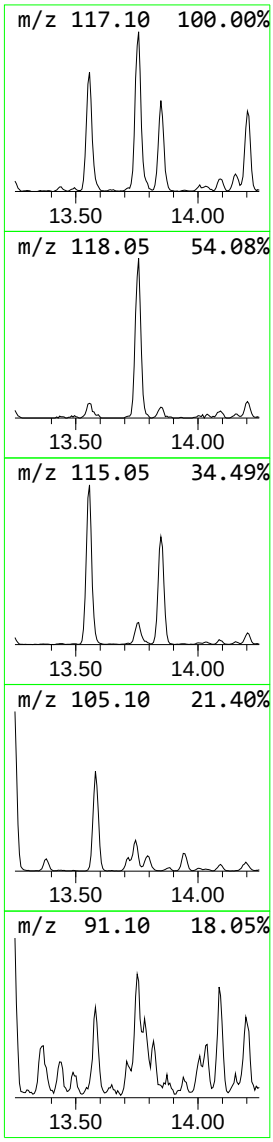
****

Peak Number 38 Indane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	3.02 ug/L	156993	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

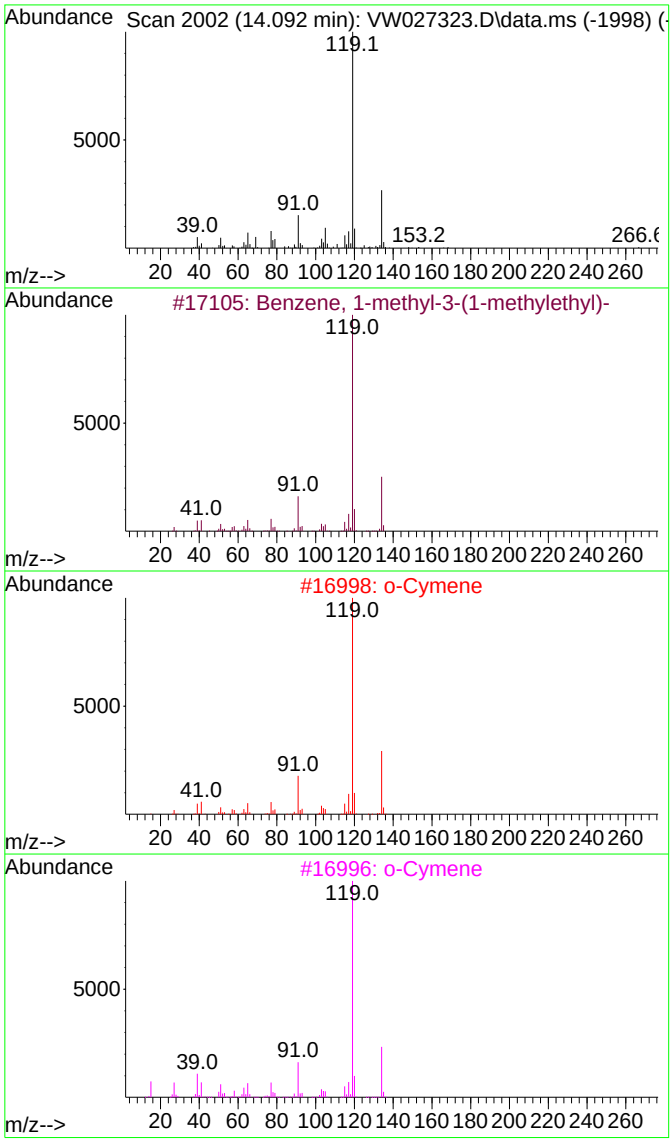
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

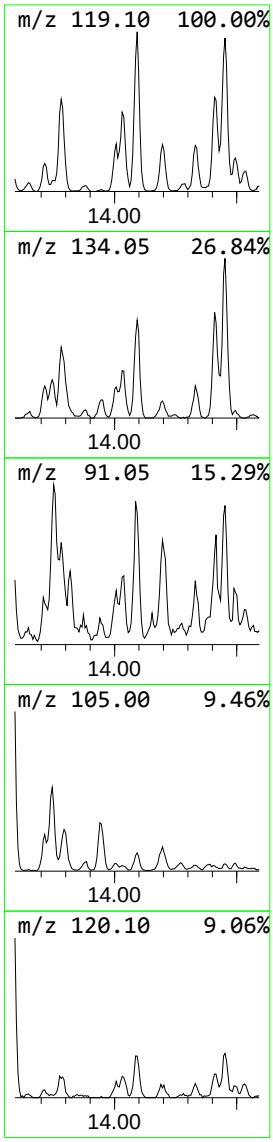
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-methyl-3-(1-meth... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	1.83 ug/L	95212	1,4-Dichlorobenzene-d4	13.556

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	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

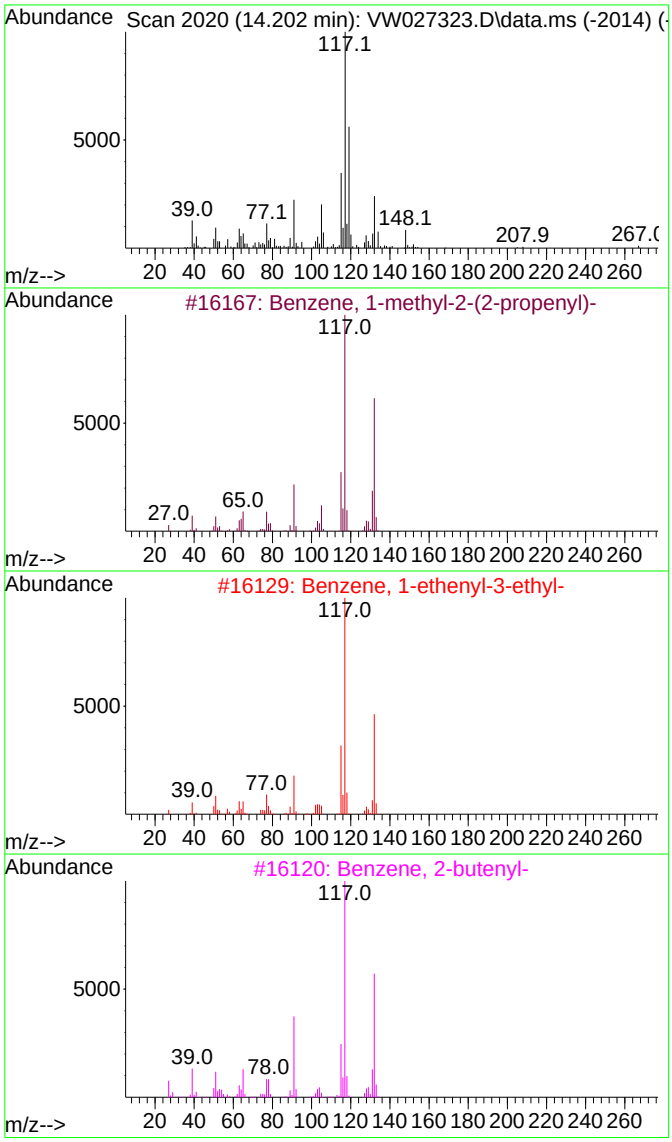
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

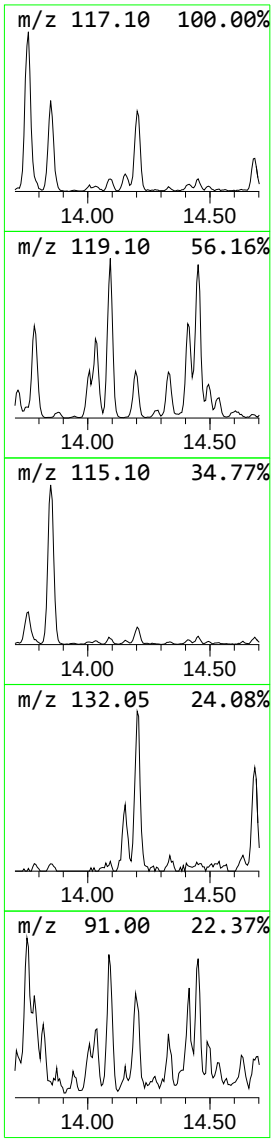
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1-methyl-2-(2-prop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	1.90 ug/L	98836	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

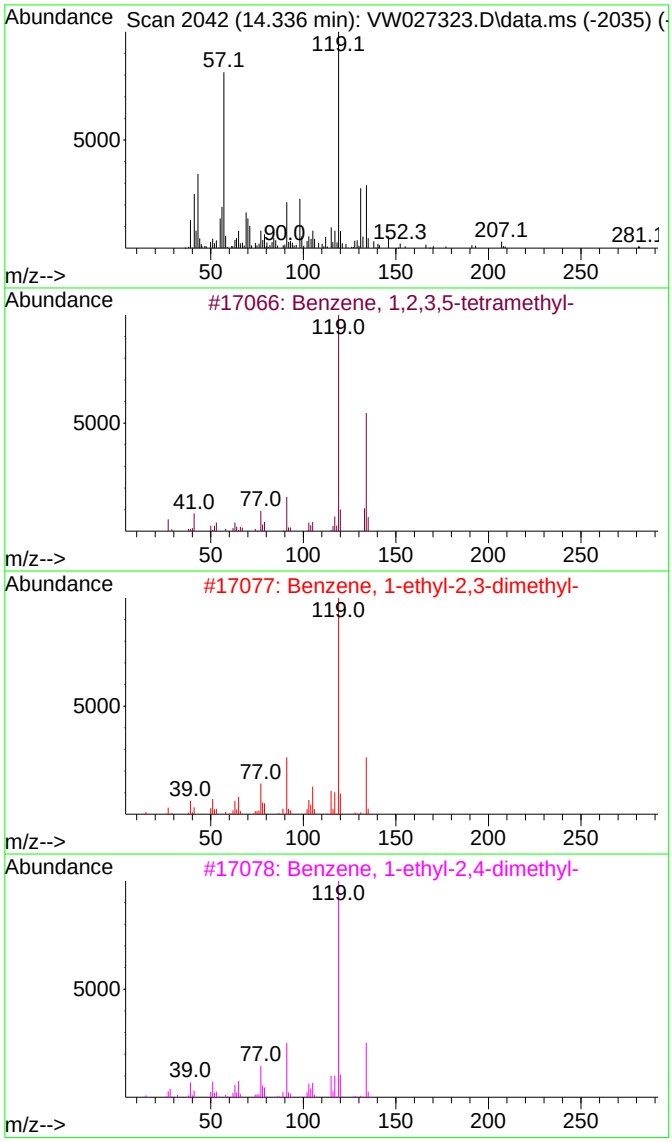
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

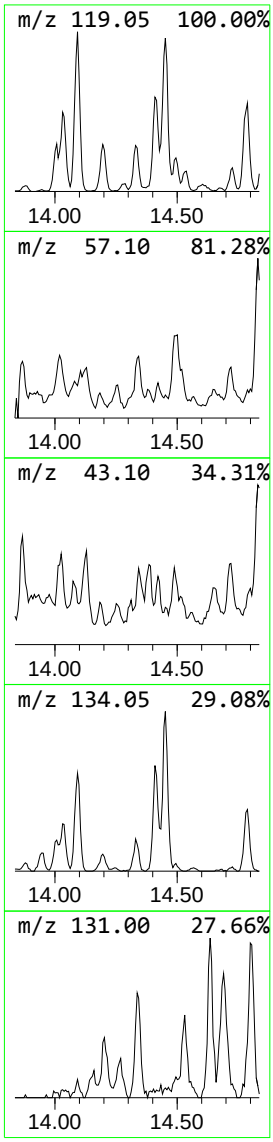
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	1.70 ug/L	88748	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

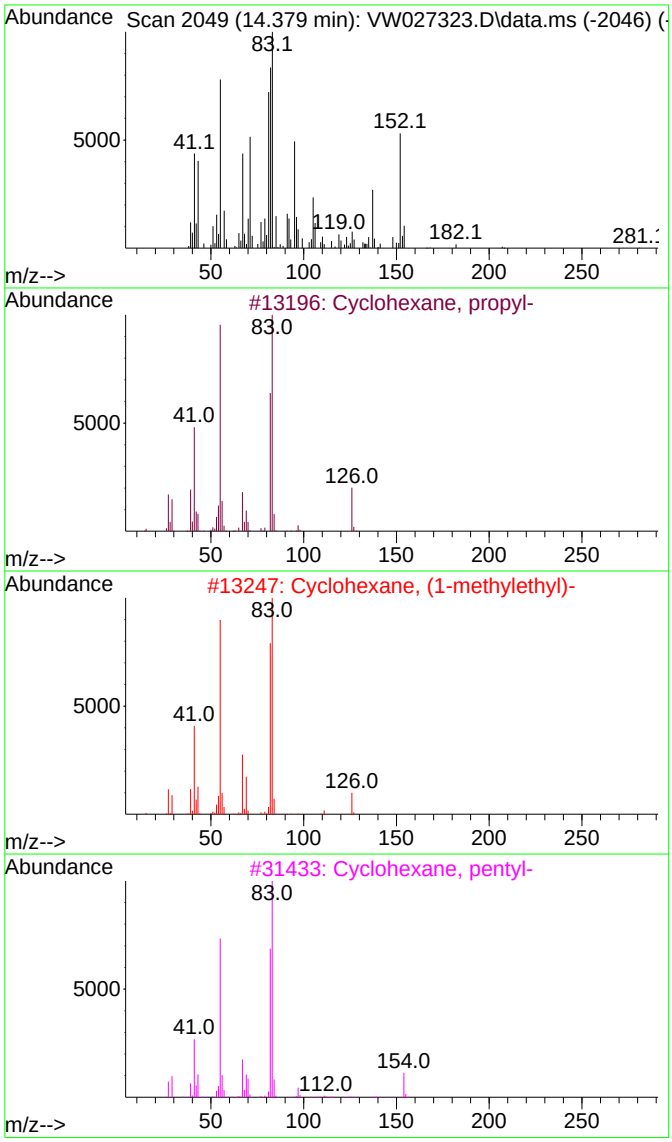
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

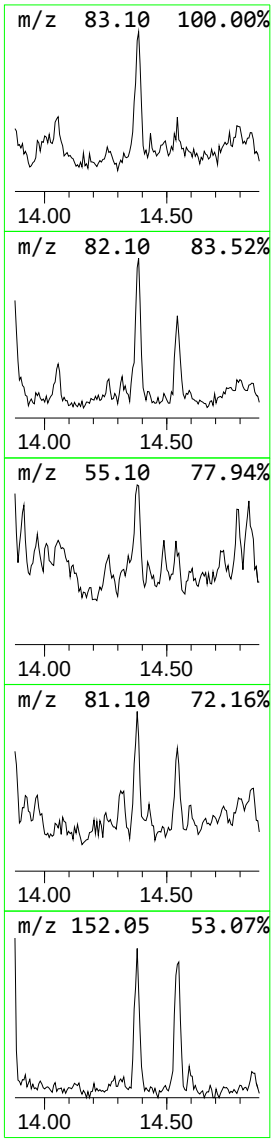
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Cyclic14.379 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	1.60 ug/L	83156	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

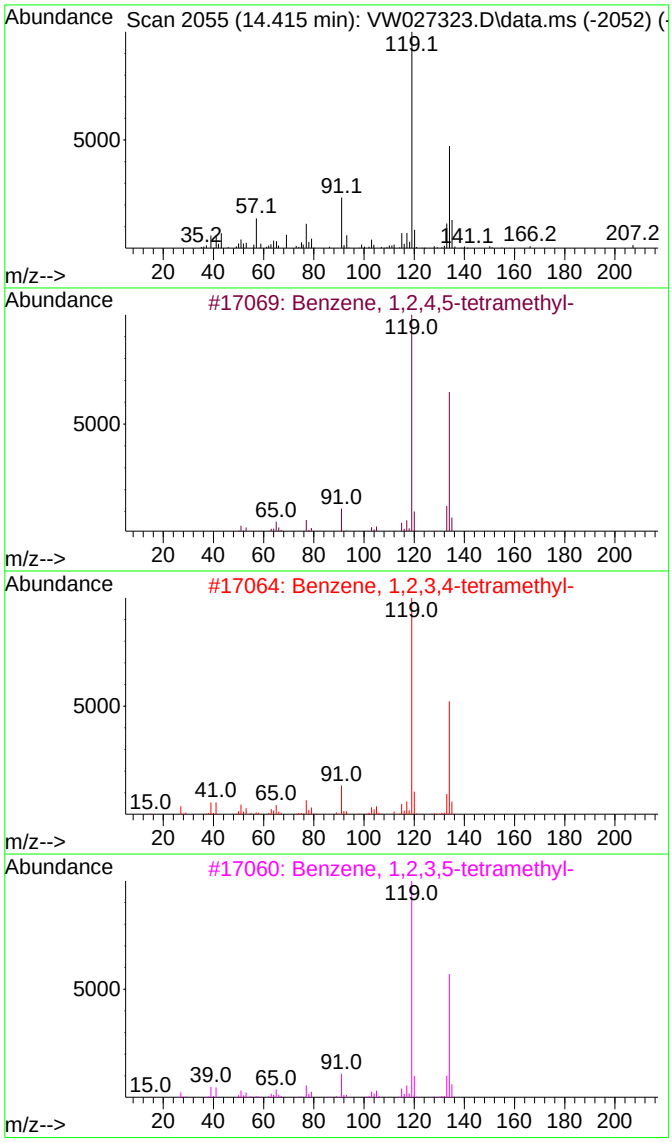
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

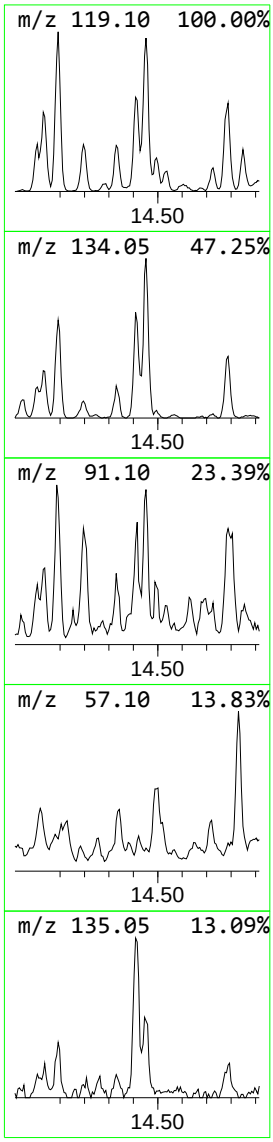
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	1.84 ug/L	95860	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

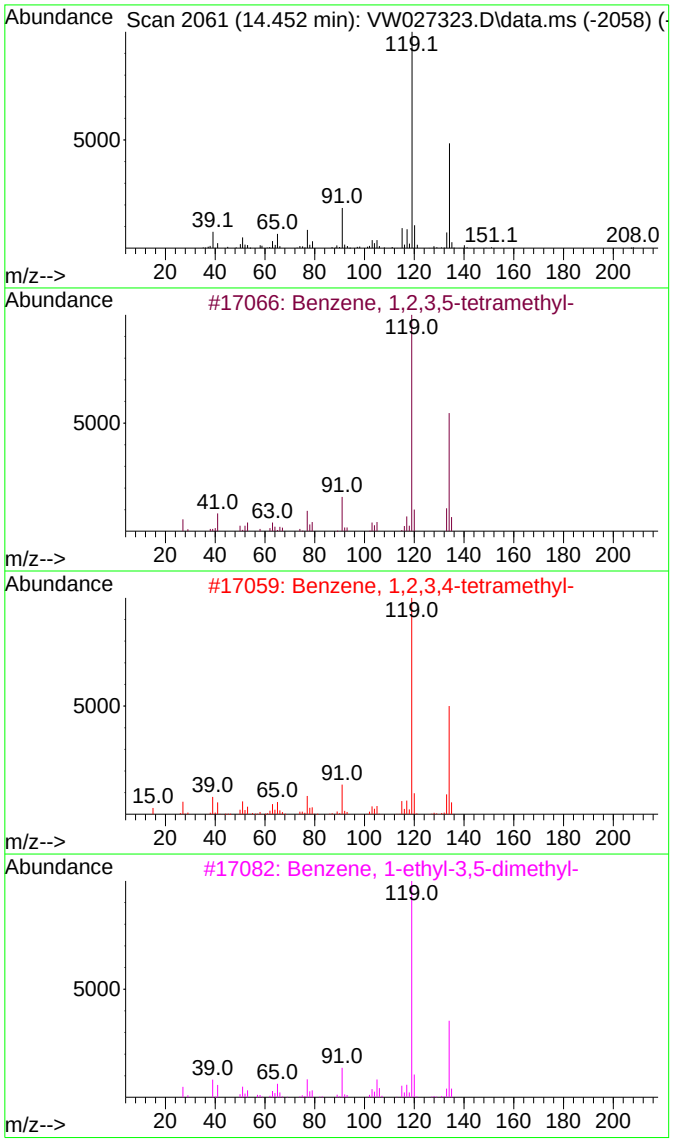
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

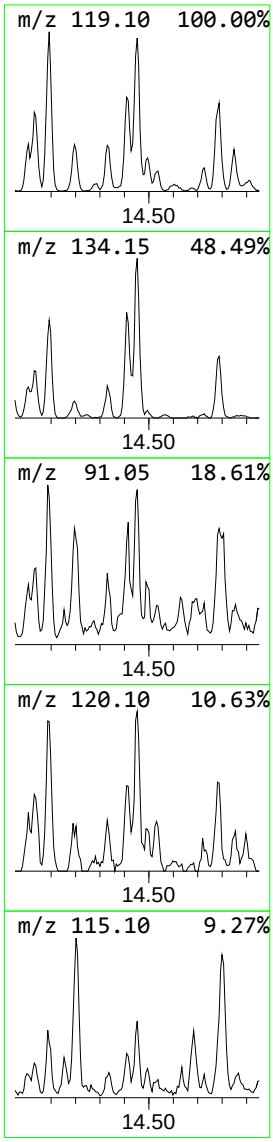
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	1.99 ug/L	103495	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

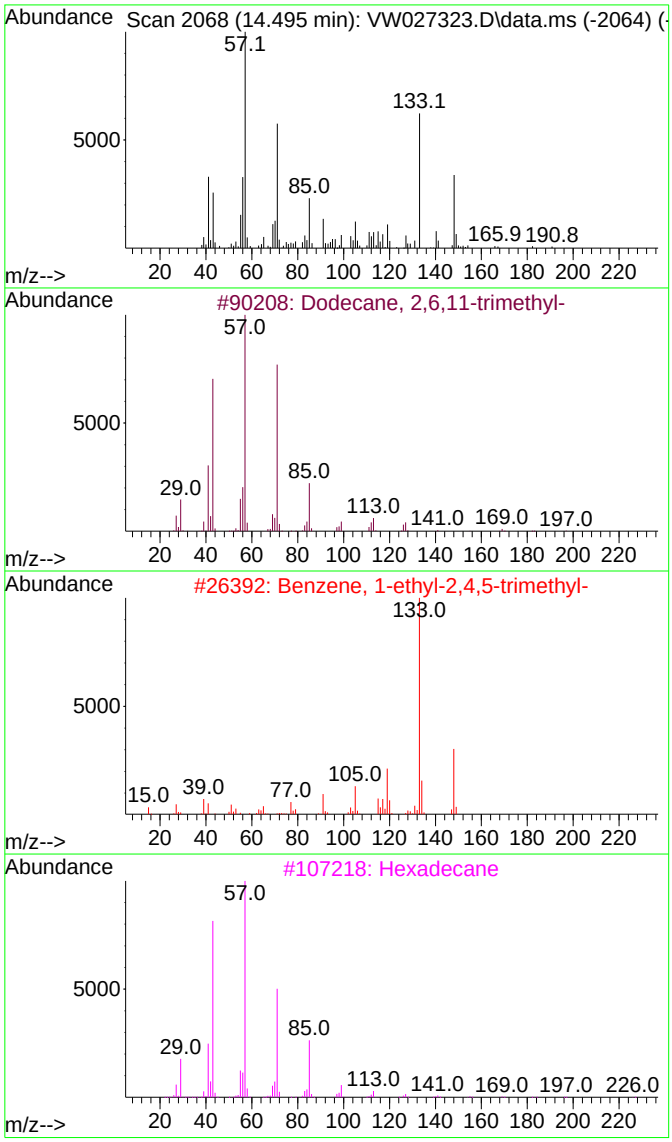
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

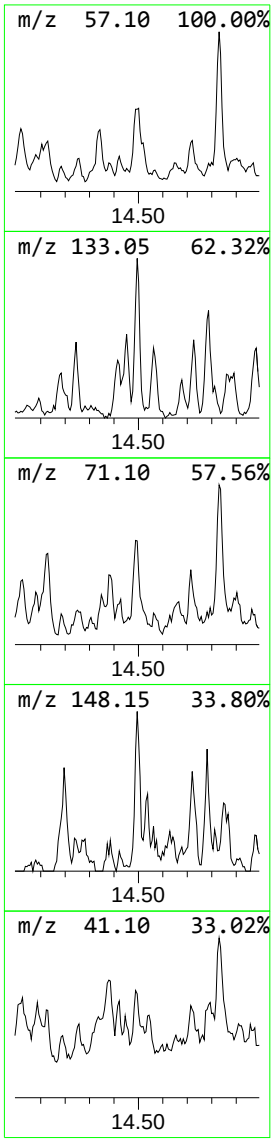
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.63 ug/L	84700	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	42
3	Hexadecane	226	C16H34	000544-76-3	38
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	38
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

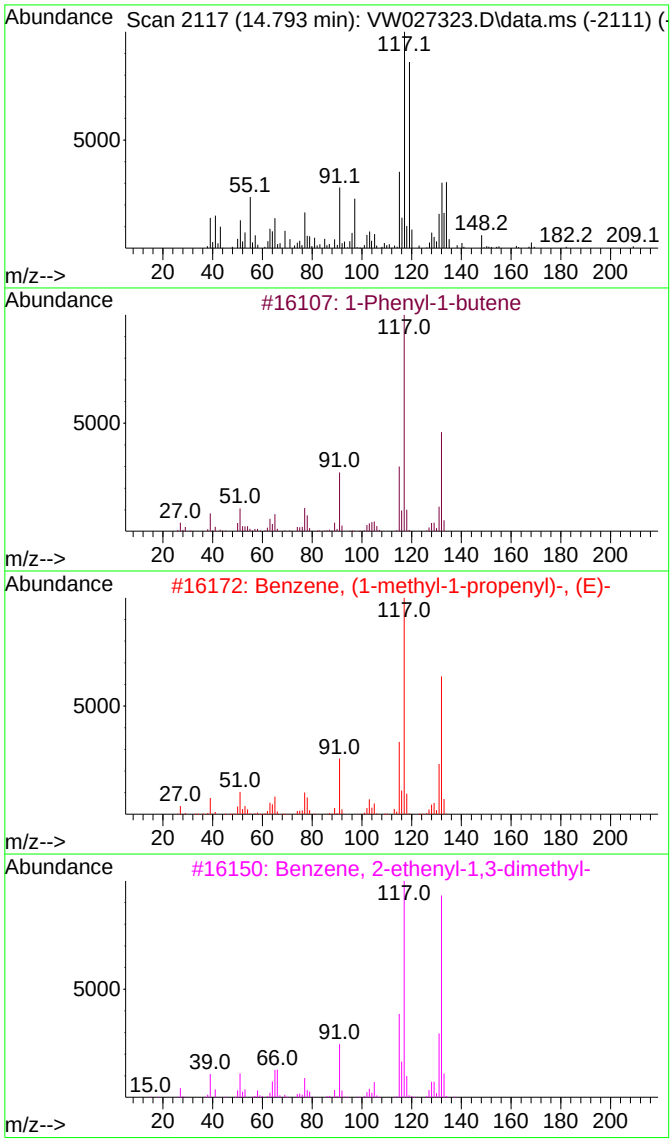
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

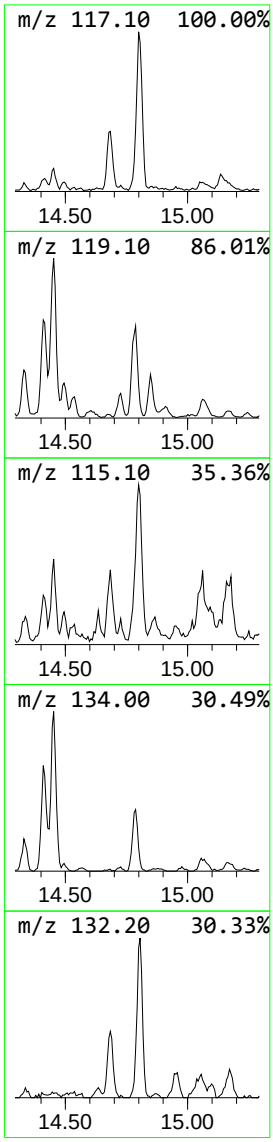
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 1-Phenyl-1-butene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	3.39 ug/L	176677	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

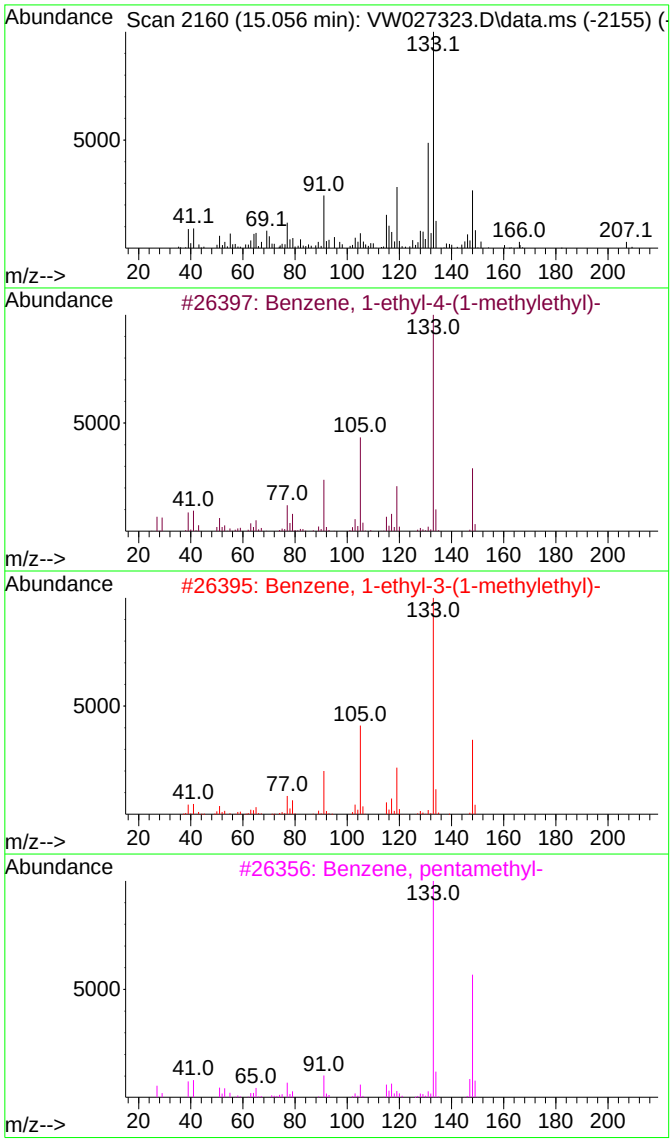
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

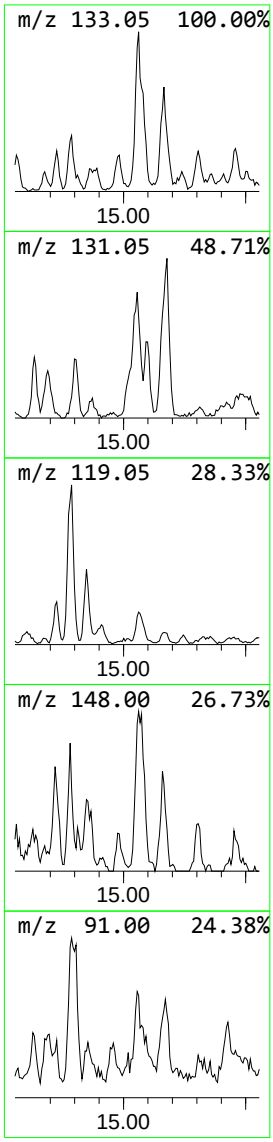
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	1.73 ug/L	90002	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

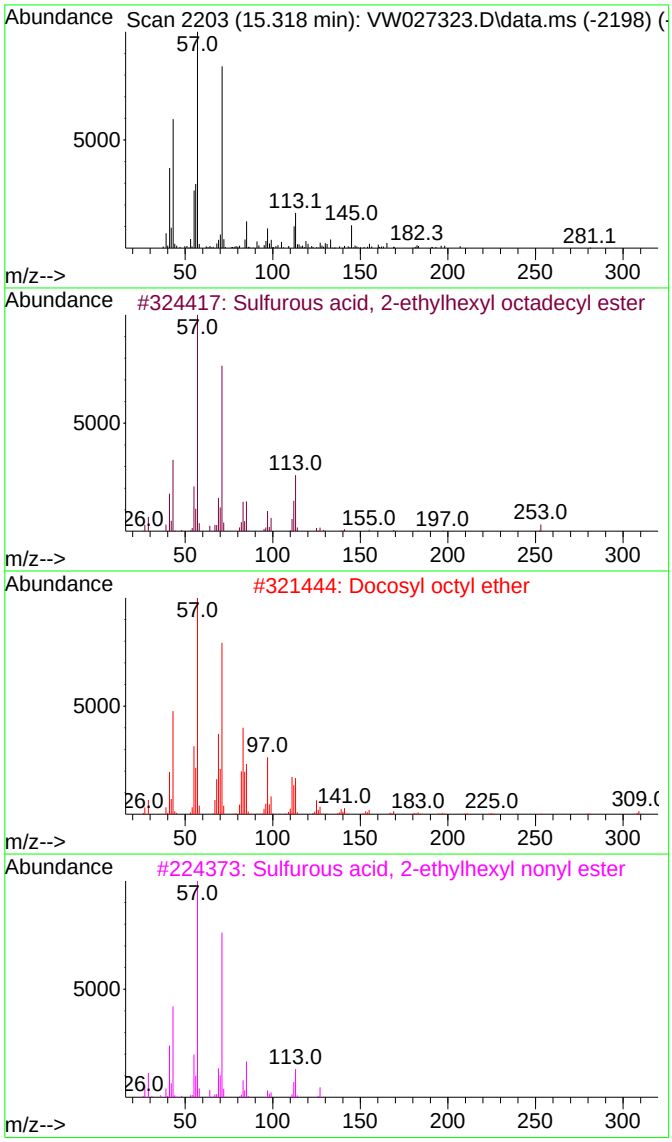
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

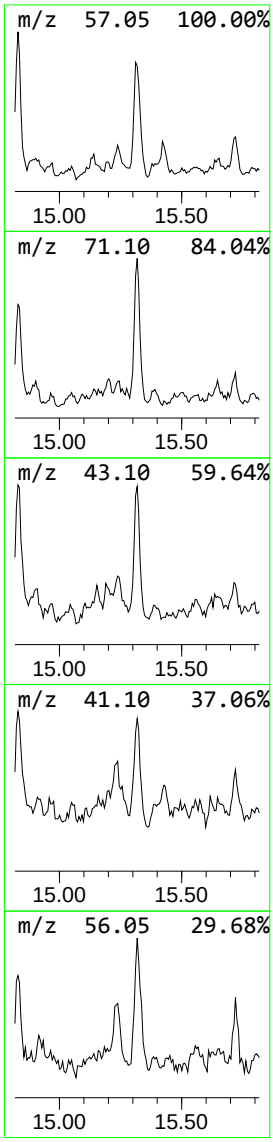
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Sulfurous acid, 2-ethylhexy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	2.02 ug/L	105329	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	64
2	Docosyl octyl ether	438	C30H62O	1000406-38-9	64
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	59
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	53
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

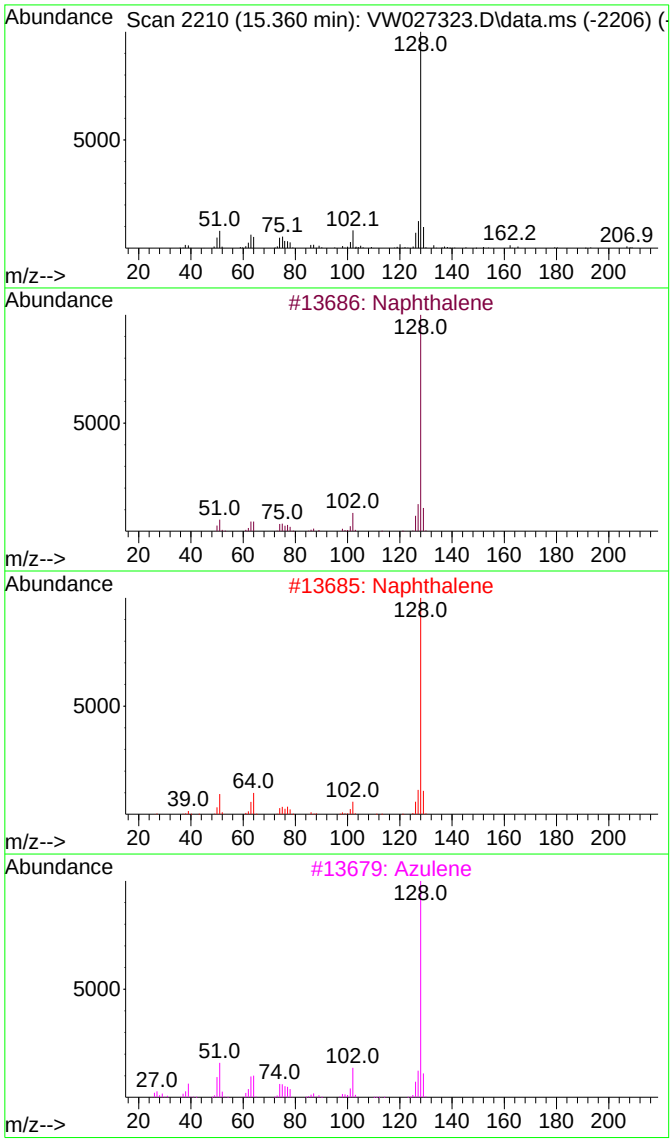
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

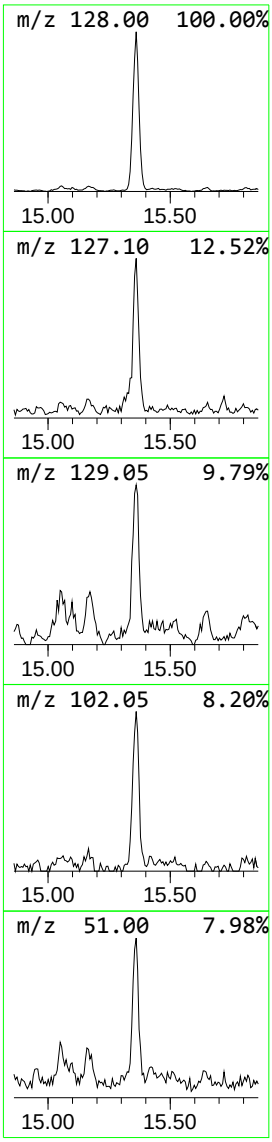
****

Peak Number 49 Azulene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	1.49 ug/L	77610	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Naphthalene	128	C10H8	000091-20-3	91
3	Azulene	128	C10H8	000275-51-4	90
4	Naphthalene	128	C10H8	000091-20-3	90
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

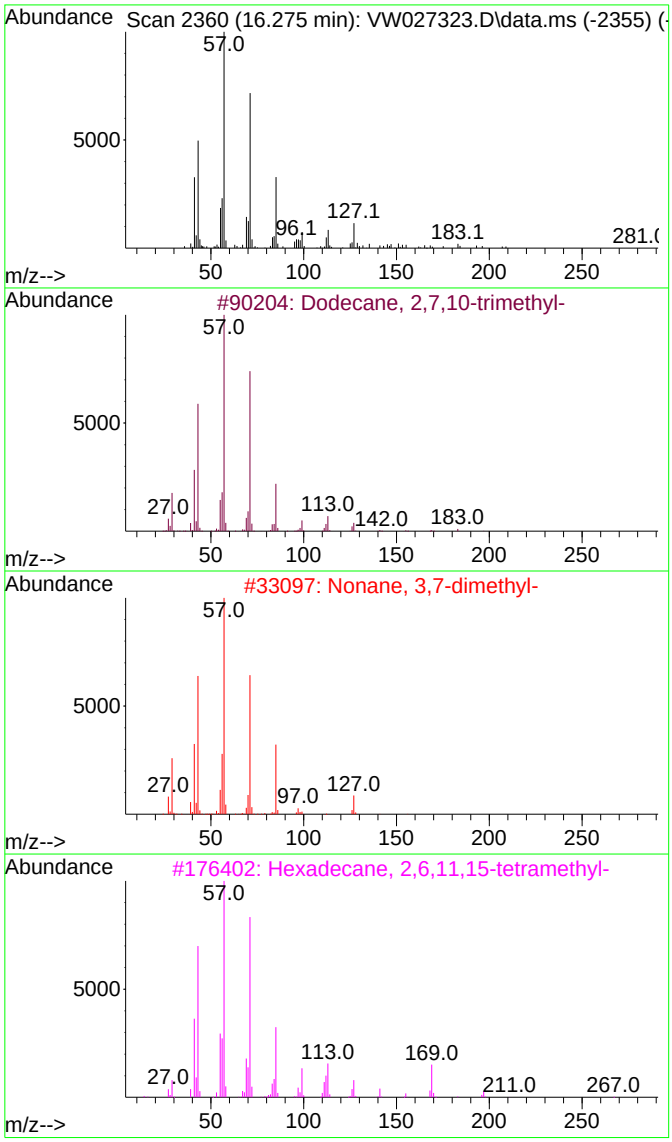
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

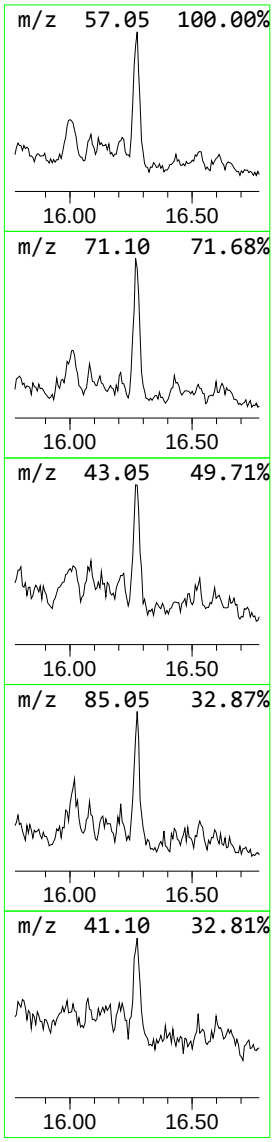
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	1.32 ug/L	68601	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	80
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	78
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

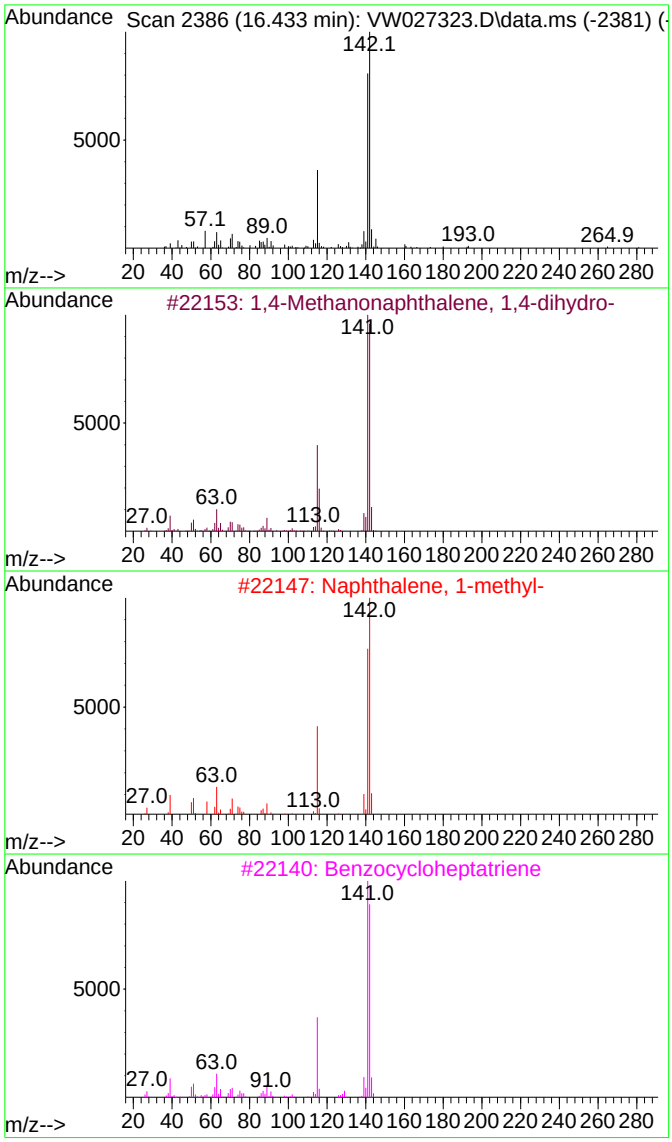
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

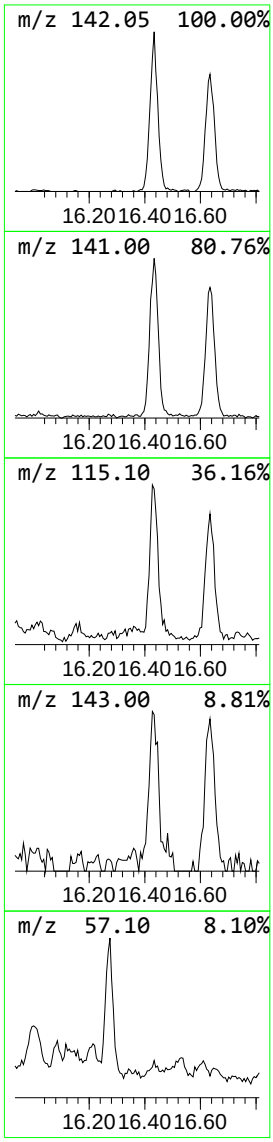
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1,4-Methanonaphthalene, 1,4... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.433	1.38 ug/L	72098	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

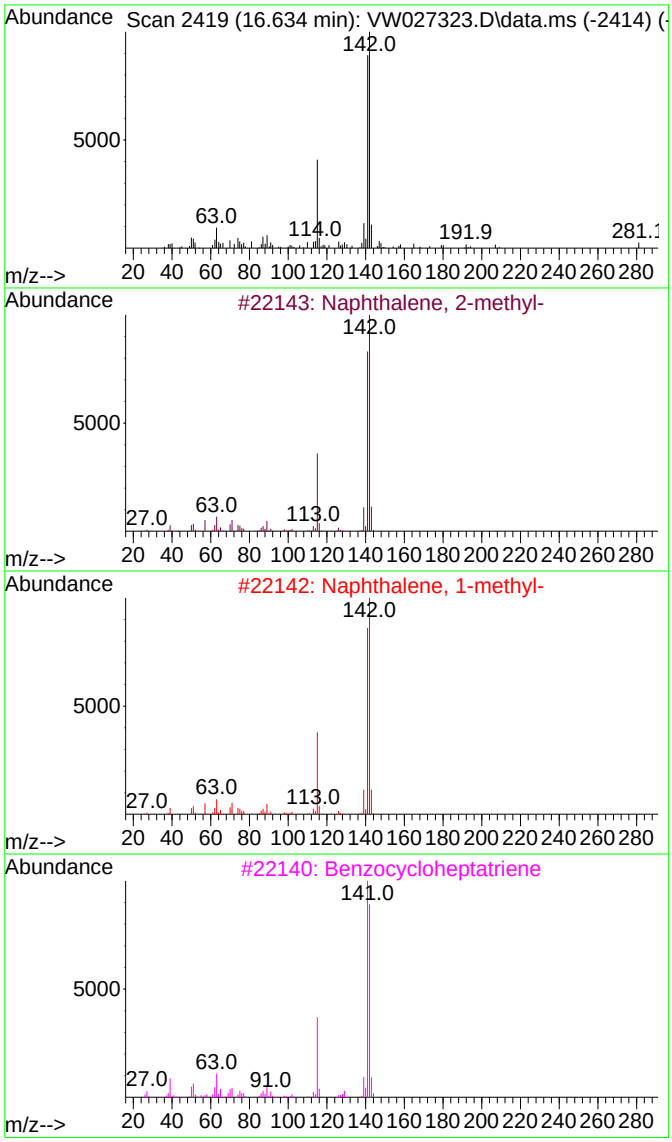
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

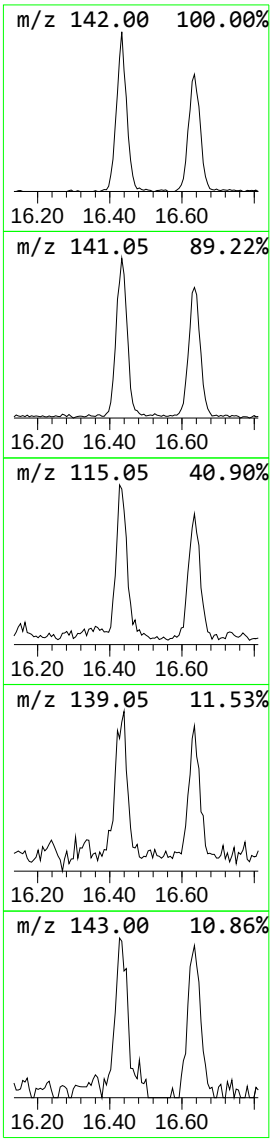
****

Peak Number 52 Benzocycloheptatriene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	2.03 ug/L	105722	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	95
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027323.D
Acq On : 18 Oct 2023 12:25
Operator : SY/MD
Sample : 04922-01
Misc : 6.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.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	1.6	ug/L	142096	1	8.843	2287620	25.0
(DEL) Alkane: S...	3.856	2.4	ug/L	215649	1	8.843	2287620	25.0
(DEL) Alkane: S...	4.960	4.4	ug/L	399327	1	8.843	2287620	25.0
(DEL) Alkane: S...	5.076	9.1	ug/L	830254	1	8.843	2287620	25.0
(DEL) Alkane: S...	5.441	1.9	ug/L	177113	1	8.843	2287620	25.0
(DEL) Alkane: S...	5.752	4.0	ug/L	365112	1	8.843	2287620	25.0
(DEL) Alkane: S...	5.941	3.2	ug/L	290763	1	8.843	2287620	25.0
(DEL) Alkane: S...	6.289	21.1	ug/L	1931670	1	8.843	2287620	25.0
(DEL) Alkane: S...	6.429	1.9	ug/L	176018	1	8.843	2287620	25.0
(DEL) Alkane: S...	6.728	3.0	ug/L	274094	1	8.843	2287620	25.0
(DEL) Alkane: C...	6.984	6.0	ug/L	547619	1	8.843	2287620	25.0
(DEL) Alkane: S...	8.038	2.4	ug/L	220407	1	8.843	2287620	25.0
(DEL) Alkane: S...	8.154	2.3	ug/L	207587	1	8.843	2287620	25.0
Cyclobutane, et...	8.453	8.1	ug/L	741489	1	8.843	2287620	25.0
(DEL) Alkane: C...	8.575	2.0	ug/L	180844	1	8.843	2287620	25.0
(DEL) Alkane: S...	8.691	3.0	ug/L	277991	1	8.843	2287620	25.0
(DEL) Alkane: S...	9.069	3.8	ug/L	344969	1	8.843	2287620	25.0
3,5-Dimethylcyc...	9.118	2.4	ug/L	216254	1	8.843	2287620	25.0
(DEL) Alkane: C...	9.520	1.8	ug/L	163217	1	8.843	2287620	25.0
2-Pentenenitrile	9.709	1.3	ug/L	120439	1	8.843	2287620	25.0
(DEL) Alkane: S...	9.752	1.9	ug/L	169068	1	8.843	2287620	25.0
Cyclobutane, (1...	9.849	6.1	ug/L	554155	1	8.843	2287620	25.0
unknown-01	9.898	2.2	ug/L	204152	1	8.843	2287620	25.0
(DEL) Alkane: S...	9.953	1.9	ug/L	169489	1	8.843	2287620	25.0
Cyclohexene, 1-...	10.203	5.9	ug/L	536488	1	8.843	2287620	25.0
(DEL) Alkane: C...	10.245	1.7	ug/L	150380	2	11.629	2262790	25.0
5,5-Dimethyl-1,...	10.508	2.5	ug/L	221512	2	11.629	2262790	25.0
Cyclopentene, 1...	10.739	3.2	ug/L	290515	2	11.629	2262790	25.0
unknown-02	12.056	1.3	ug/L	115124	2	11.629	2262790	25.0
Cyclooctene, 3-...	12.343	1.3	ug/L	114255	2	11.629	2262790	25.0
Benzene, propyl-	12.800	3.2	ug/L	165799	3	13.556	1301640	25.0
Benzene, 1-ethy...	12.861	2.5	ug/L	128766	3	13.556	1301640	25.0
Benzene, 1-ethy...	13.099	5.3	ug/L	274653	3	13.556	1301640	25.0
(DEL) Alkane: S...	13.160	2.2	ug/L	112869	3	13.556	1301640	25.0
Indane	13.751	3.0	ug/L	156993	3	13.556	1301640	25.0
Benzene, 1-meth...	14.092	1.8	ug/L	95212	3	13.556	1301640	25.0
Benzene, 1-meth...	14.202	1.9	ug/L	98836	3	13.556	1301640	25.0
Benzene, 1,2,3,...	14.336	1.7	ug/L	88748	3	13.556	1301640	25.0
(DEL) Alkane: C...	14.379	1.6	ug/L	83156	3	13.556	1301640	25.0
Benzene, 1,2,4,...	14.415	1.8	ug/L	95860	3	13.556	1301640	25.0
Benzene, 1,2,3,...	14.452	2.0	ug/L	103495	3	13.556	1301640	25.0
(DEL) Alkane: S...	14.495	1.6	ug/L	84700	3	13.556	1301640	25.0
1-Phenyl-1-butene	14.793	3.4	ug/L	176677	3	13.556	1301640	25.0
Benzene, 1-ethy...	15.056	1.7	ug/L	90002	3	13.556	1301640	25.0
Sulfurous acid,...	15.318	2.0	ug/L	105329	3	13.556	1301640	25.0
Azulene	15.360	1.5	ug/L	77610	3	13.556	1301640	25.0
(DEL) Alkane: S...	16.275	1.3	ug/L	68601	3	13.556	1301640	25.0
1,4-Methanonaph...	16.433	1.4	ug/L	72098	3	13.556	1301640	25.0
Benzocyclohepta...	16.634	2.0	ug/L	105722	3	13.556	1301640	25.0