LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

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\SFAMWLM090523SMA.M
Title : SFAM01.0

Signal : TIC: VW027075.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.960	7	12	27	rBV3	39841	83470	3.73%	0.450%
2	2.180	41	48	51	rBV	20812	32354	1.44%	0.174%
3	2.356	67	77	88	rBV2	87976	262908	11.74%	1.417%
4	2.454	91	93	98	rVB2	11863	16409	0.73%	0.088%
5	2.582	108	114	117	rBV6	8999	21195	0.95%	0.114%
6	2.893	158	165	180	rBV	69399	200709	8.96%	1.082%
7	3.021	181	186	191	rBV2	29468	59661	2.66%	0.322%
8	3.393	239	247	257	rVV4	34582	100862	4.50%	0.544%
9	3.588	272	279	285	rVB5	7749	18716	0.84%	0.101%
10	3.740	295	304	313	rBV5	4903	17843	0.80%	0.096%
11	3.850	313	322	329	rBV4	9515	27398	1.22%	0.148%
12	4.021	340	350	364	rBV	113247	415592	18.56%	2.240%
13	4.387	398	410	423	rBV	65213	215257	9.61%	1.160%
14	4.771	463	473	481	rBV	8747	31647	1.41%	0.171%
15	4.929	487	499	500	rBV2	46384	117842	5.26%	0.635%
16	5.435	571	582	592	rBV4	22240	82630	3.69%	0.445%
17	5.758	625	635	642	rBV5	10726	38812	1.73%	0.209%
18	5.941	654	665	679	rVB2	33844	103742	4.63%	0.559%
19	6.728	787	794	800	rBV2	4950	13811	0.62%	0.074%
20	6.990	827	837	844	rBV3	17178	52727	2.35%	0.284%
21	7.075	844	851	859	rBV	54472	164129	7.33%	0.885%
22	7.660	932	947	963	rBV3	232605	855634	38.21%	4.612%
23	7.922	984	990	992	rBV2	15899	28370	1.27%	0.153%
24	8.038	1003	1009	1018	rVB6	18473	56201	2.51%	0.303%
25	8.160	1018	1029	1036	rBV4	33484	83004	3.71%	0.447%
26	8.276	1038	1048	1065	rVV2	562784	1745316	77.95%	9.407%
27	8.428	1066	1073	1081	rVV7	15067	43889	1.96%	0.237%
28	8.520	1081	1088	1092	rVV4	17316	45979	2.05%	0.248%
29	8.581	1092	1098	1107	rVV6	24101	72905	3.26%	0.393%
30	8.691	1109	1116	1127	rVB4	19626	49087	2.19%	0.265%
31	8.843	1132	1141	1163	rBV	707554	1398435	62.45%	7.538%
32	9.075	1171	1179	1193	rBV	290287	612068	27.34%	3.299%
33	9.276	1203	1212	1218	rBV	422567	899017	40.15%	4.846%
34	9.331	1218	1221	1239	rVB	101395	215769	9.64%	1.163%
35	9.514	1245	1251	1257	rVB5	11829	22553	1.01%	0.122%
36	9.605	1258	1266	1273	rVB9	7771	17758	0.79%	0.096%

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Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

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\SFAMWLM090523SMA.M
Title : SFAM01.0

37	9.690	1273	1280	1281	rBV7	7923	15608	0.70%	0.084%
38	9.751	1284	1290	1296	rVB3	23661	41785	1.87%	0.225%
39	9.953	1319	1323	1327	rBV5	10652	16015	0.72%	0.086%
40	10.032	1331	1336	1342	rBV	79690	145495	6.50%	0.784%
41	10.093	1342	1346	1350	rVB3	11439	19444	0.87%	0.105%
42	10.324	1376	1384	1390	rBV	560177	997484	44.55%	5.377%
43	10.385	1390	1394	1403	rVV	64605	128881	5.76%	0.695%
44	10.501	1406	1413	1420	rVB4	29787	69143	3.09%	0.373%
45	10.581	1420	1426	1432	rBV	43326	84897	3.79%	0.458%
46	10.666	1435	1440	1444	rBV3	19057	31431	1.40%	0.169%
47	10.757	1450	1455	1456	rBV4	10129	14797	0.66%	0.080%
48	10.849	1466	1470	1475	rVB7	7199	13068	0.58%	0.070%
49	10.922	1475	1482	1493	rBV	113433	233390	10.42%	1.258%
50	11.178	1520	1524	1528	rVV2	26412	41880	1.87%	0.226%
51	11.227	1528	1532	1538	rVV2	32709	52677	2.35%	0.284%
52	11.336	1546	1550	1554	rVB5	10695	15091	0.67%	0.081%
53	11.507	1574	1578	1583	rBV4	10957	17684	0.79%	0.095%
54	11.629	1591	1598	1605	rBV	523979	871458	38.92%	4.697%
55	11.727	1609	1614	1619	rBV3	31135	53658	2.40%	0.289%
56	11.836	1624	1632	1636	rBV	70173	141080	6.30%	0.760%
57	12.038	1661	1665	1673	rVB10	6583	17346	0.77%	0.093%
58	12.160	1673	1685	1693	rBV3	61778	169395	7.57%	0.913%
59	12.239	1693	1698	1703	rVB6	12064	30729	1.37%	0.166%
60	12.342	1710	1715	1716	rBV4	27324	41649	1.86%	0.224%
61	12.470	1729	1736	1748	rBV	1385693	2239115	100.00%	12.069%
62	12.605	1755	1758	1763	rVB3	15291	21128	0.94%	0.114%
63	12.690	1767	1772	1775	rBV	98879	195828	8.75%	1.056%
64	12.775	1782	1786	1793	rVB5	41832	78940	3.53%	0.425%
65	12.861	1795	1800	1806	rBV3	32645	72546	3.24%	0.391%
66	12.934	1806	1812	1820	rBV4	83209	163399	7.30%	0.881%
67	13.025	1820	1827	1832	rBV	345111	546387	24.40%	2.945%
68	13.098	1832	1839	1845	rVB2	25950	62862	2.81%	0.339%
69	13.165	1845	1850	1858	rVB7	28274	57322	2.56%	0.309%
70	13.251	1858	1864	1865	rBV	62329	93667	4.18%	0.505%
71	13.367	1876	1883	1888	rBV9	18772	44579	1.99%	0.240%
72	13.464	1889	1899	1909	rBV6	125552	330318	14.75%	1.780%
73	13.556	1909	1914	1923	rVB2	179129	363875	16.25%	1.961%
74	13.623	1923	1925	1932	rVB7	11855	17141	0.77%	0.092%
75	13.696	1932	1937	1942	rBV8	13641	29792	1.33%	0.161%
76	13.781	1948	1951	1956	rVB2	32910	45542	2.03%	0.245%

LSC Area Percent Report

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Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

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\SFAMWLM090523SMA.M
Title : SFAM01.0

77	13.854	1956	1963	1971	rBV3	210335	529618	23.65%	2.855%
78	14.007	1984	1988	1991	rBV5	24833	36550	1.63%	0.197%
79	14.202	2014	2020	2024	rBV3	56737	93703	4.18%	0.505%
80	14.257	2024	2029	2035	rBV6	27434	56224	2.51%	0.303%
81	14.336	2035	2042	2046	rBV6	39957	85493	3.82%	0.461%
82	14.385	2046	2050	2053	rBV4	45666	64296	2.87%	0.347%
83	14.415	2053	2055	2058	rBV3	18988	21881	0.98%	0.118%
84	14.494	2064	2068	2071	rBV4	31572	42177	1.88%	0.227%
85	14.543	2071	2076	2083	rVB7	45548	88548	3.95%	0.477%
86	14.720	2100	2105	2110	rVB2	134736	192299	8.59%	1.037%
87	14.787	2111	2116	2121	rBV3	74934	150375	6.72%	0.811%
88	14.830	2121	2123	2131	rVB3	51020	90323	4.03%	0.487%
89	14.958	2140	2144	2148	rBV4	16989	22129	0.99%	0.119%
90	15.055	2157	2160	2165	rBV6	22036	33280	1.49%	0.179%
91	15.159	2174	2177	2186	rVV5	29017	58412	2.61%	0.315%
92	15.244	2187	2191	2198	rVB6	40292	97539	4.36%	0.526%
93	15.317	2198	2203	2208	rBV2	85925	142572	6.37%	0.768%
94	15.543	2236	2240	2250	rVB2	186486	315202	14.08%	1.699%
95	15.659	2250	2259	2263	rBV2	23907	77550	3.46%	0.418%
96	15.726	2266	2270	2275	rVB5	34780	57815	2.58%	0.312%
97	15.860	2288	2292	2297	rBV7	15058	26074	1.16%	0.141%
98	16.134	2334	2337	2338	rBV3	15051	18018	0.80%	0.097%
99	16.275	2355	2360	2369	rVB3	57130	109945	4.91%	0.593%
100	16.488	2389	2395	2408	rVB2	138122	292284	13.05%	1.575%

Sum of corrected areas: 18552532

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
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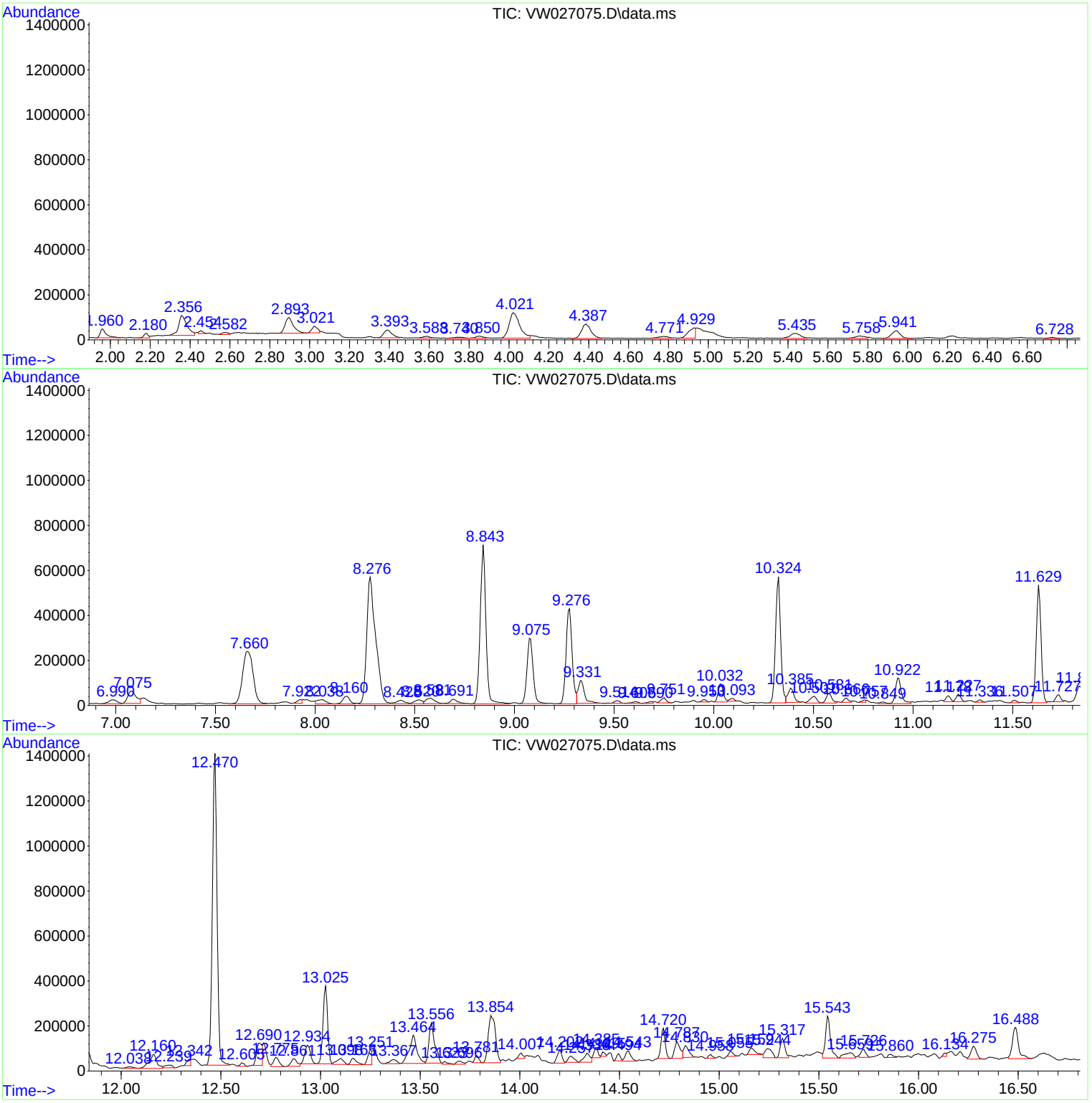
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

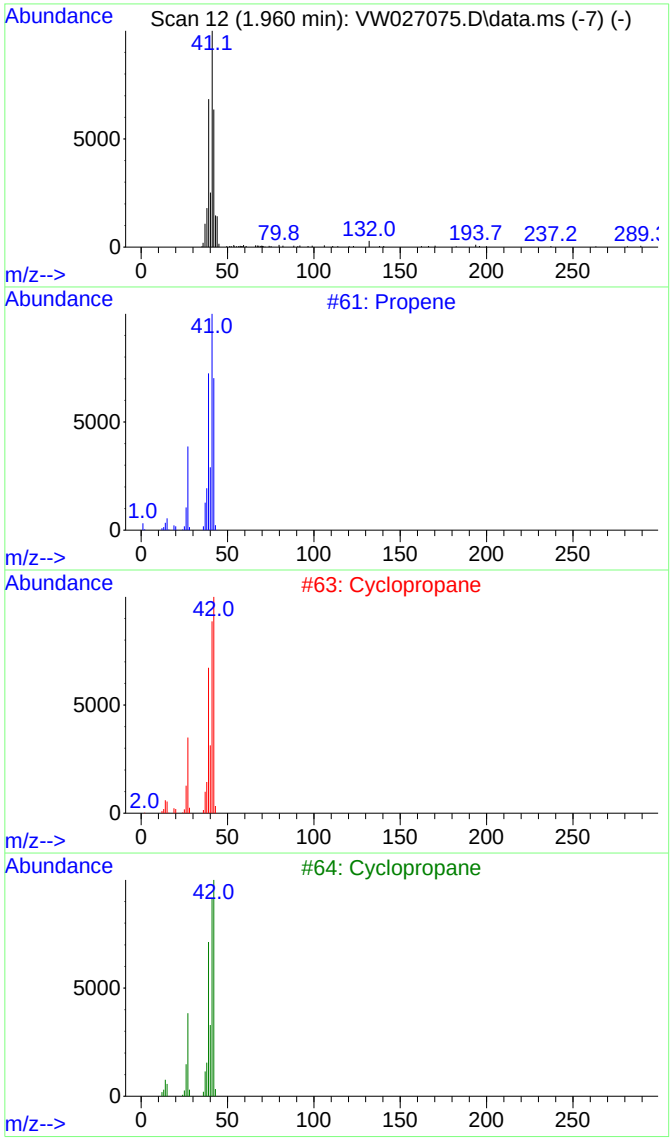
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.960	1.49 ug/L	83470	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	80
2	Cyclopropane	42	C3H6	000075-19-4	64
3	Cyclopropane	42	C3H6	000075-19-4	64
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	56
5	N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

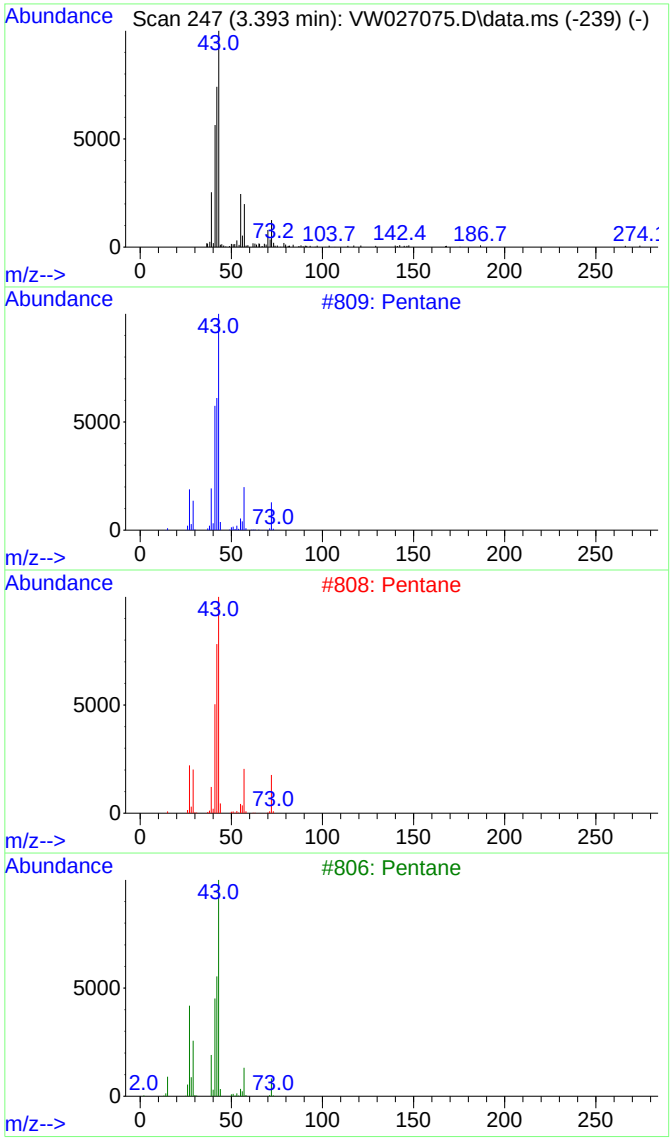
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

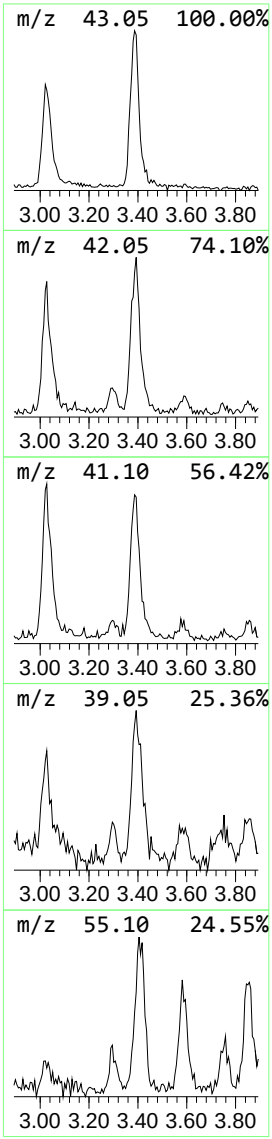
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	1.80 ug/L	100862	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-chloro-3-methyl-	106	C5H11Cl	000631-65-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

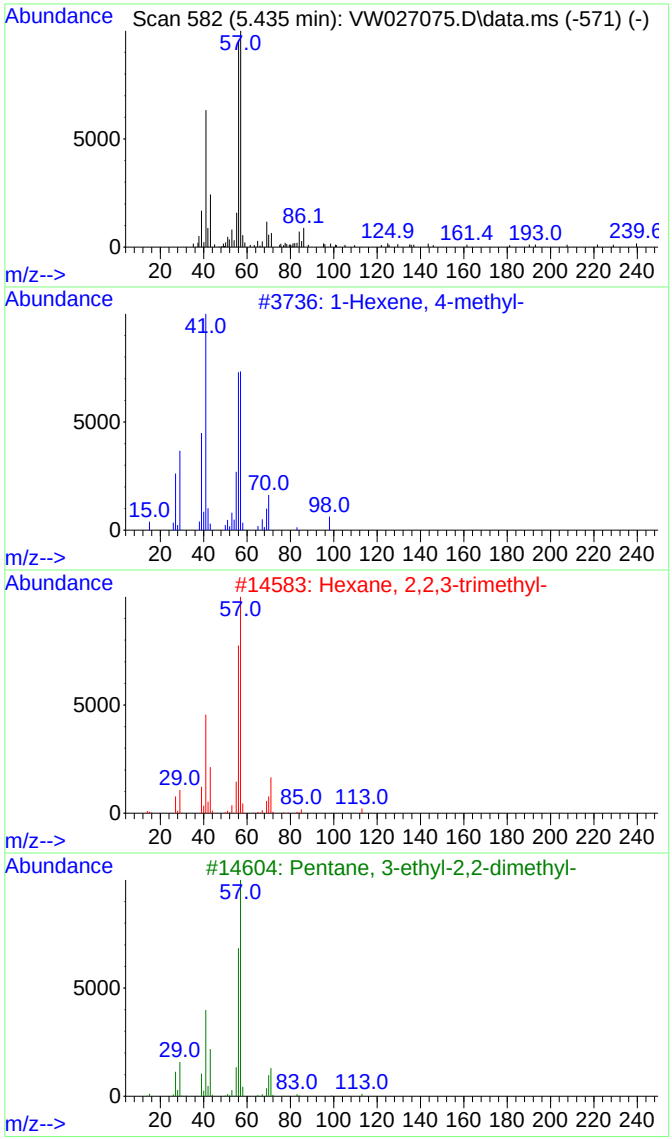
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

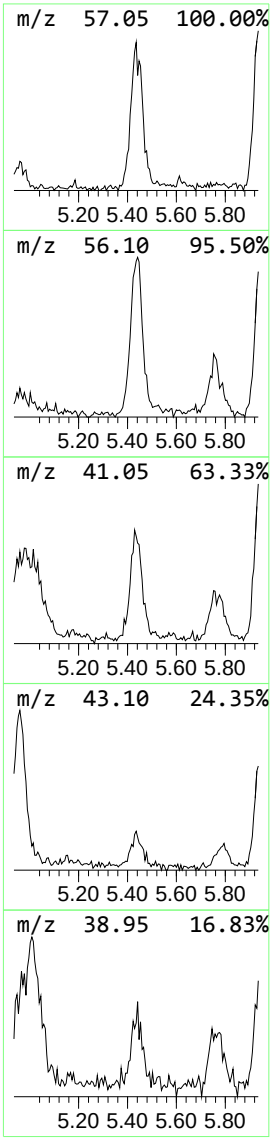
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.435	1.48 ug/L	82630	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	64
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	56
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
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Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

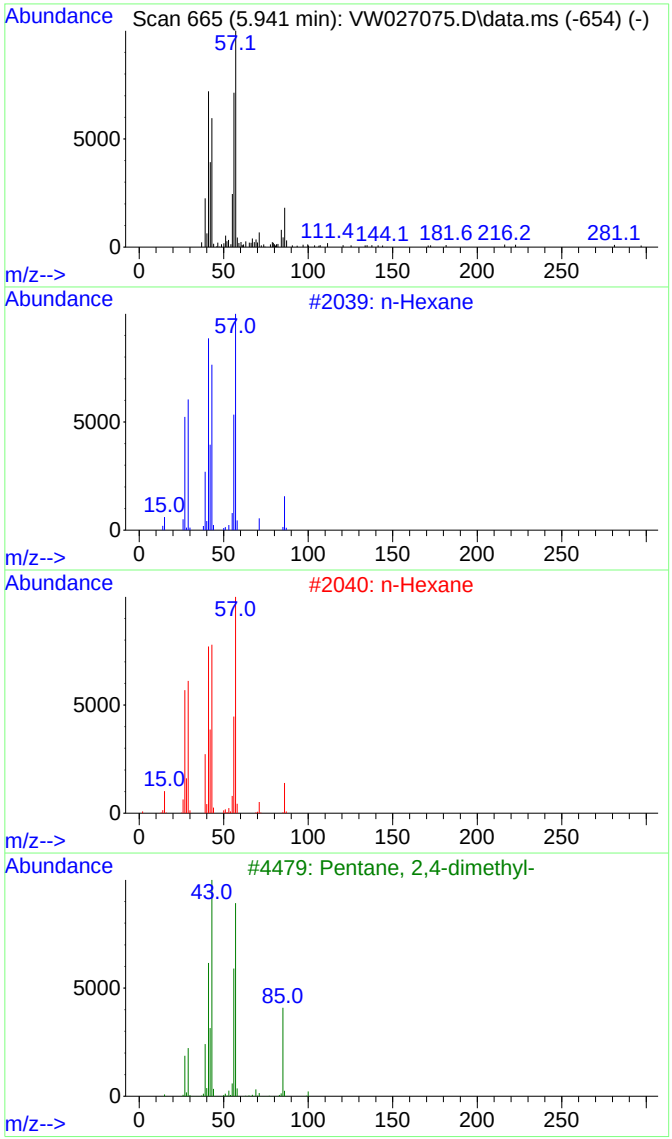
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

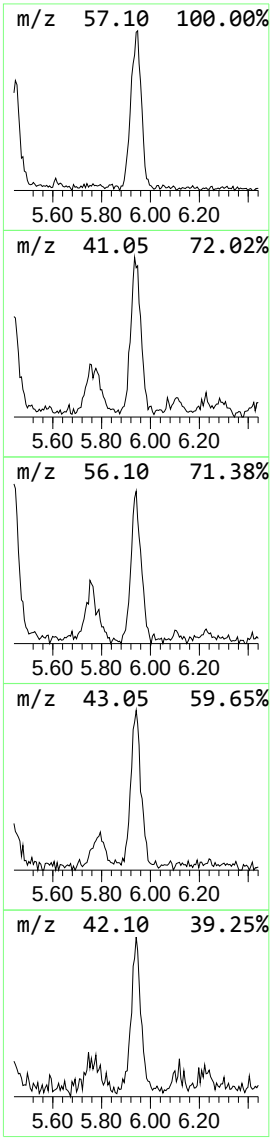
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.85 ug/L	103742	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	80
2	n-Hexane	86	C6H14	000110-54-3	72
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
5	n-Hexane	86	C6H14	000110-54-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

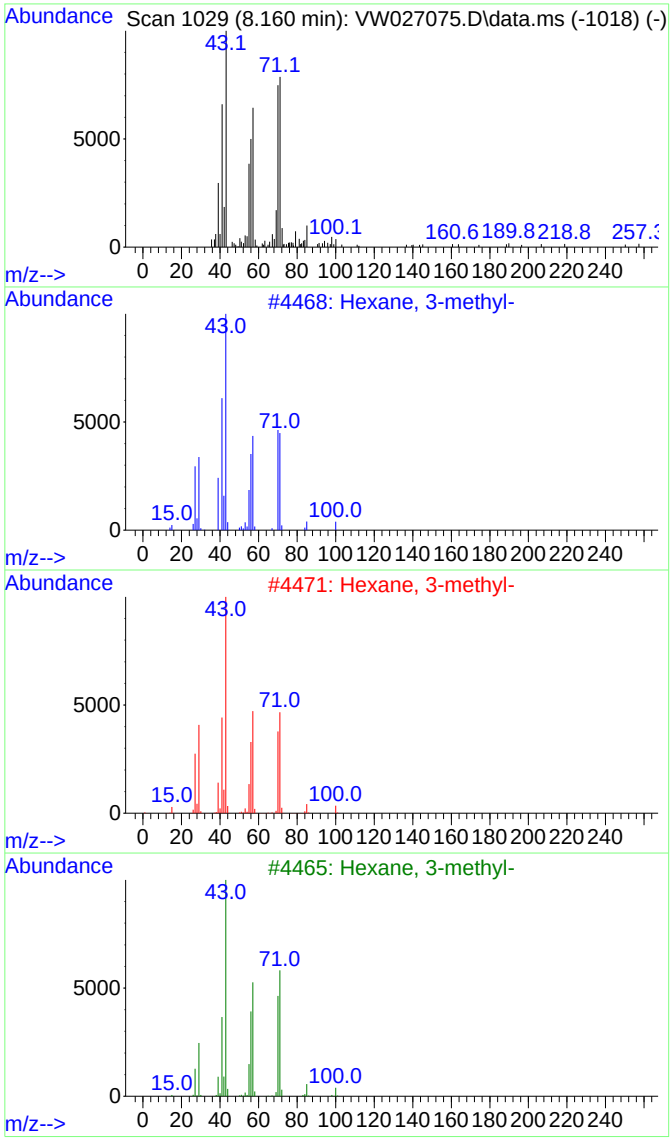
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

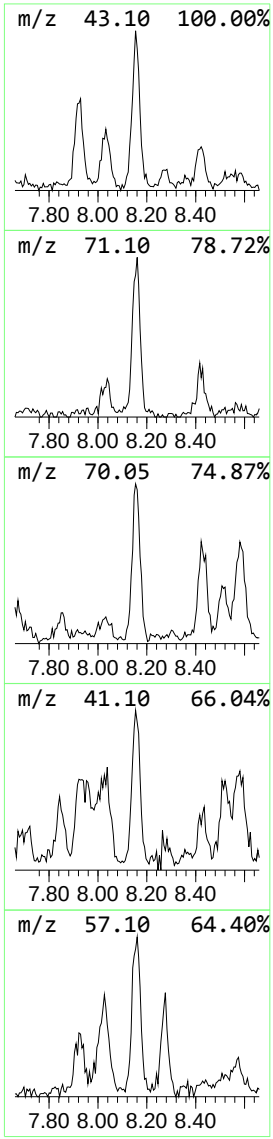
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.160	1.48 ug/L	83004	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	93
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	86
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
4	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	59
5	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

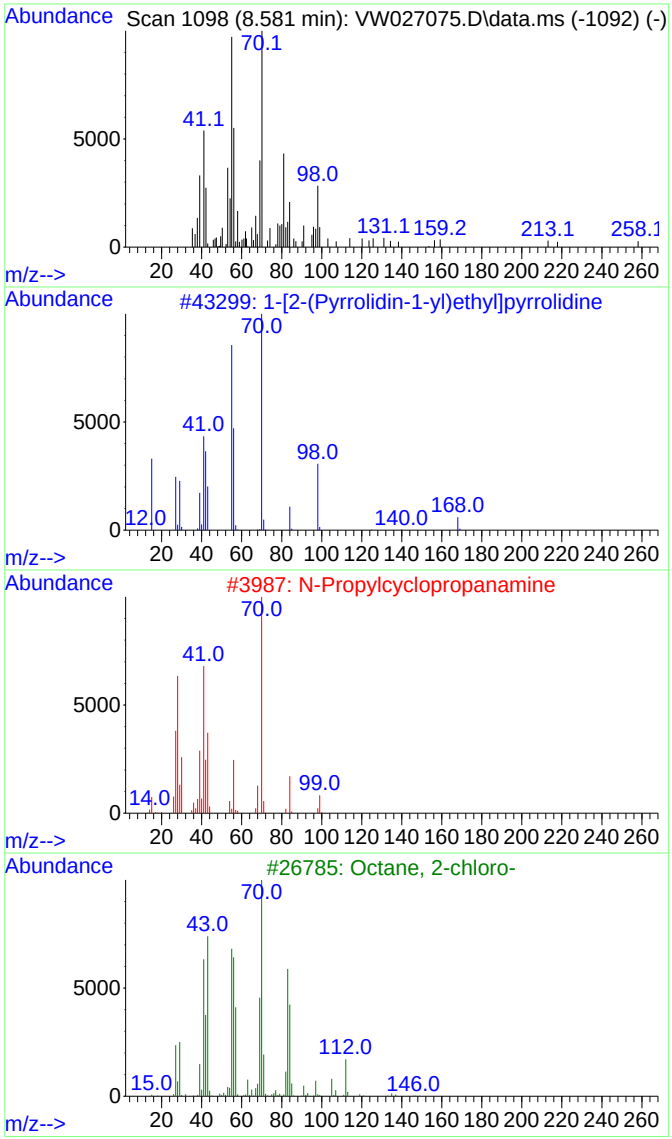
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

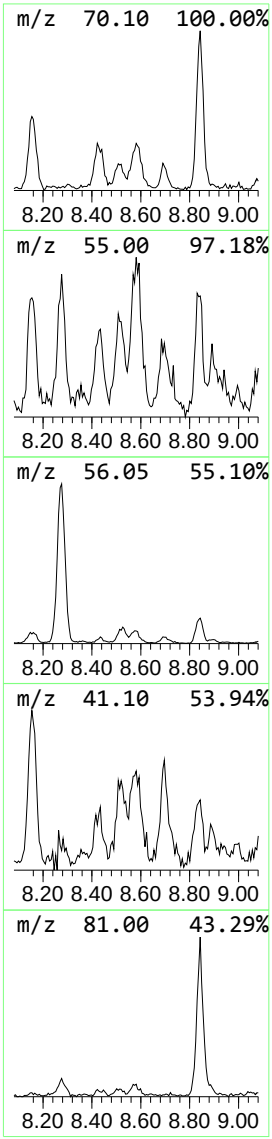
****

Peak Number 6 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.581	1.30 ug/L	72905	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-[2-(Pyrrolidin-1-yl)ethyl]pyrr...	168	C10H20N2	1000486-86-3	47
2	N-Propylcyclopropanamine	99	C6H13N	073121-93-4	43
3	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	43
4	Ethanedione, di(2-pyrrolidinyl)-	196	C10H16N2O2	1000151-78-0	38
5	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	37





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Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

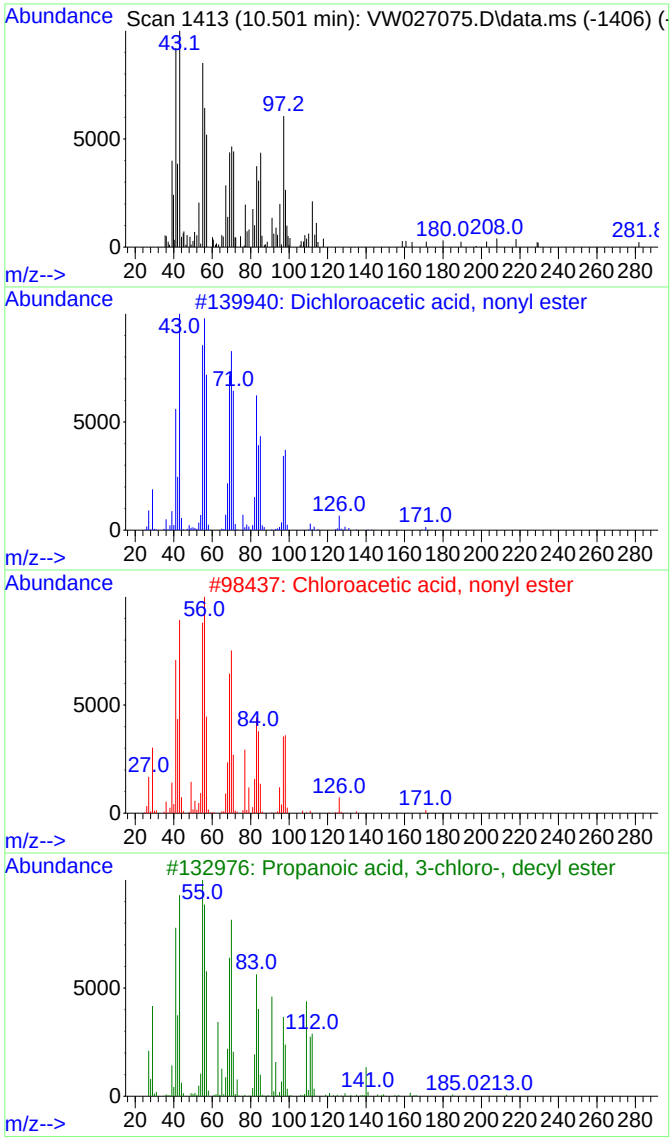
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

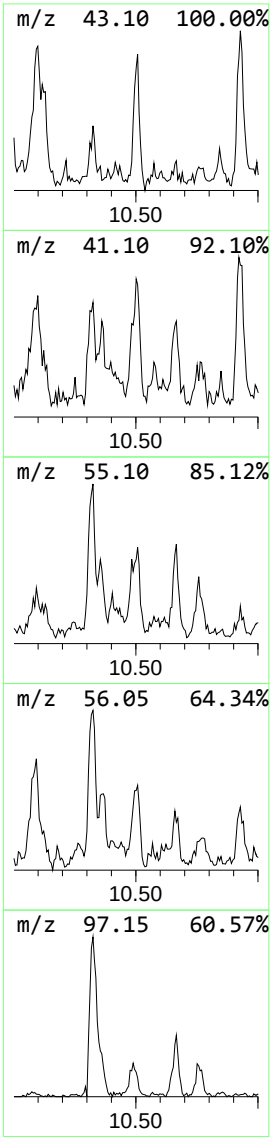
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dichloroacetic acid, nonyl ... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	1.98 ug/L	69143	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, nonyl ester	254	C11H20Cl2O2	083004-99-3	52
2	Chloroacetic acid, nonyl ester	220	C11H21ClO2	005451-96-7	46
3	Propanoic acid, 3-chloro-, decyl...	248	C13H25ClO2	074306-06-2	43
4	2(3H)-Furanone, dihydro-4,4-dime...	114	C6H10O2	013861-97-7	43
5	Cyclooctane	112	C8H16	000292-64-8	42





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Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

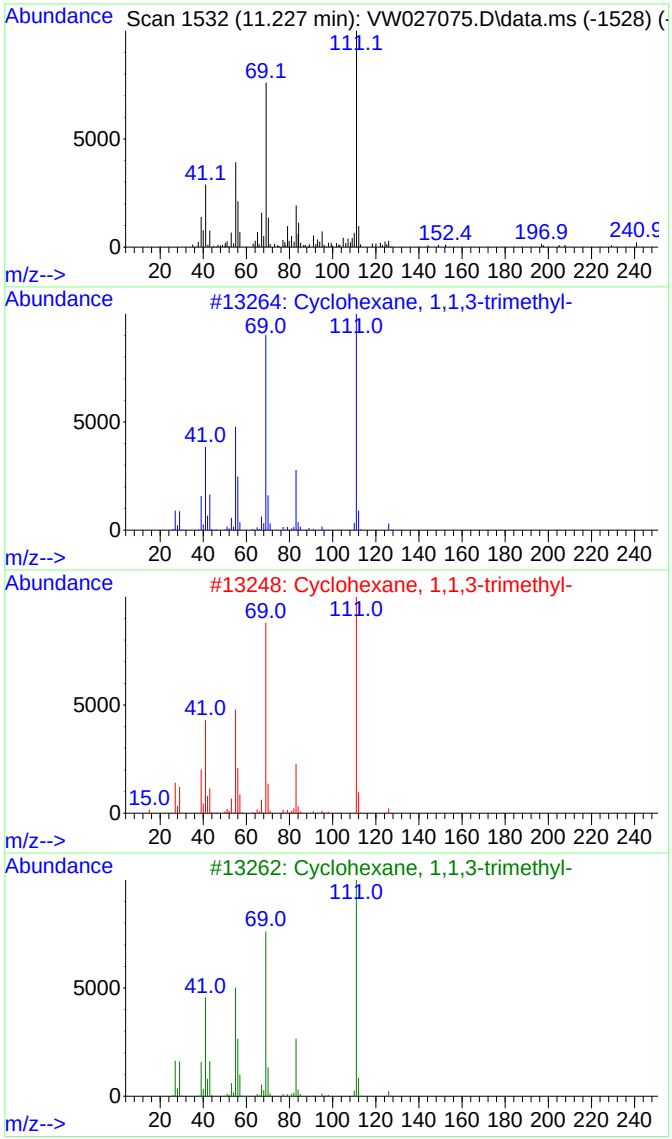
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

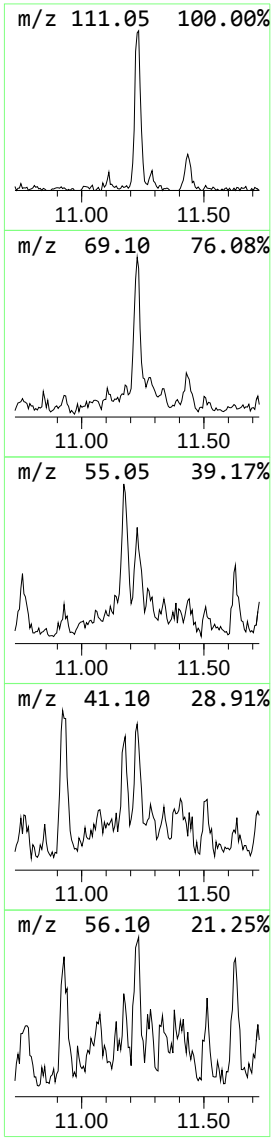
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic11.227 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	1.51 ug/L	52677	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	80
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

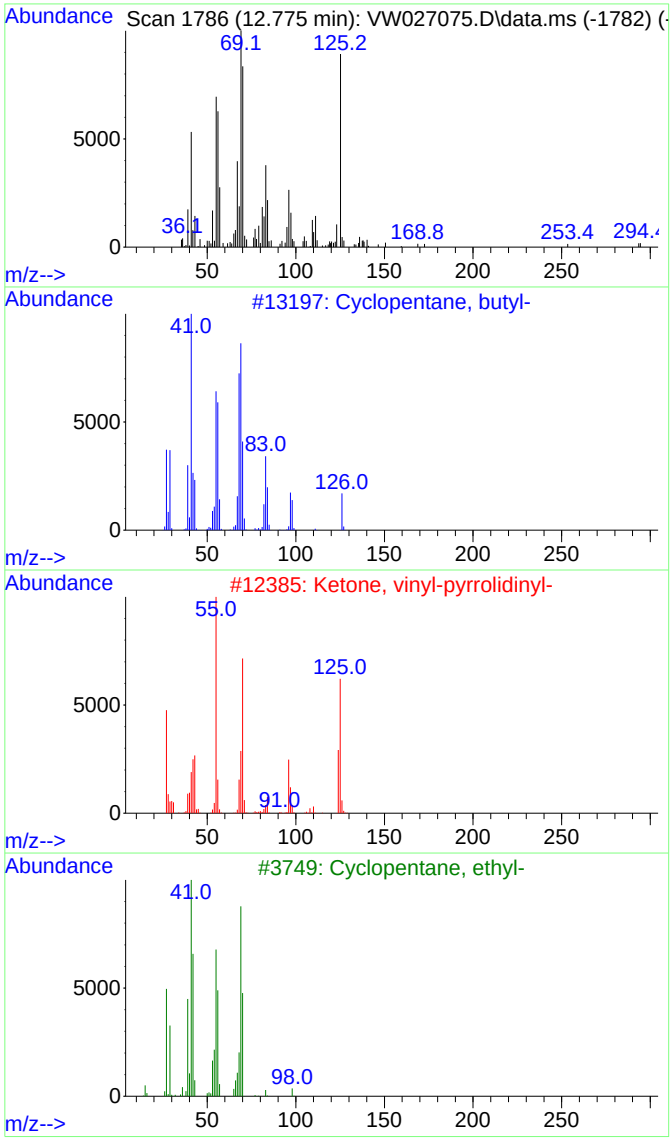
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

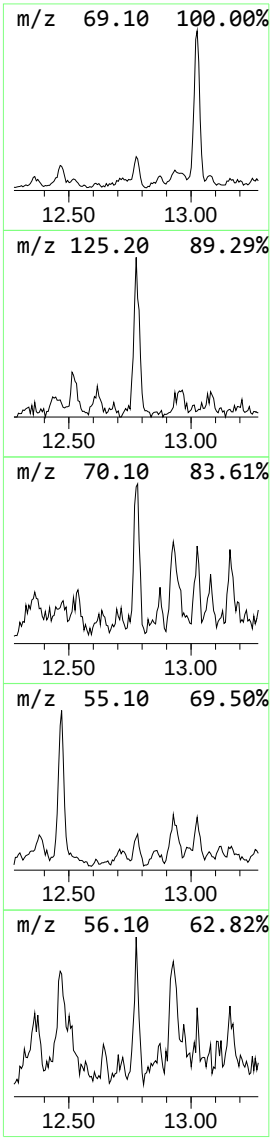
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic12.775 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	5.42 ug/L	78940	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	43
2	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	38
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	30
5	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

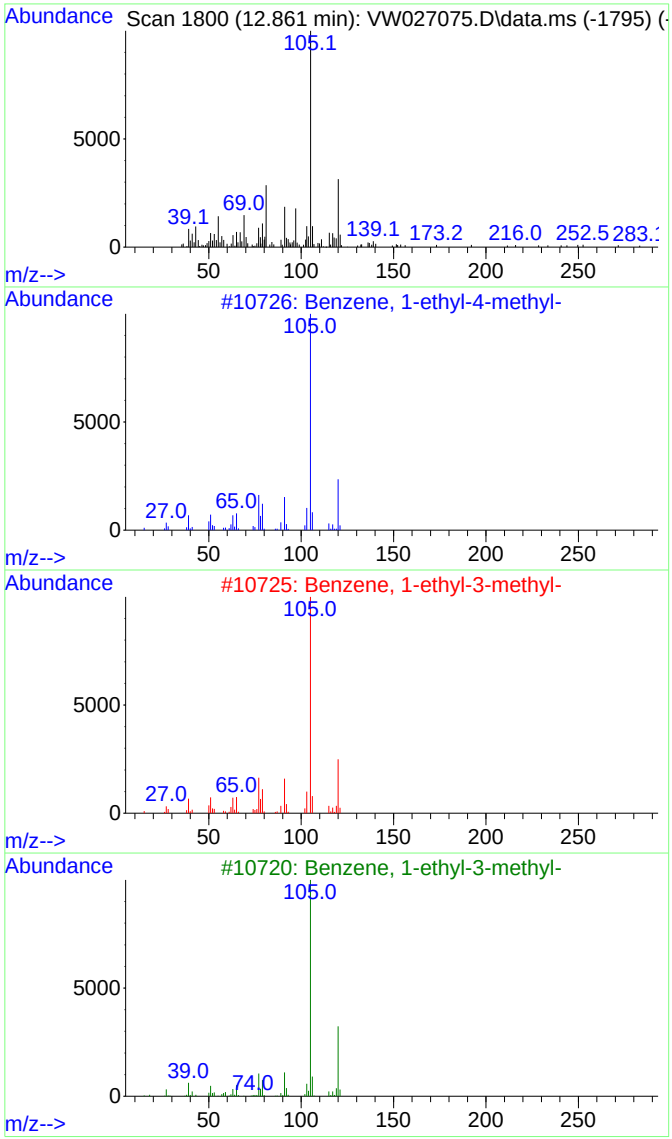
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

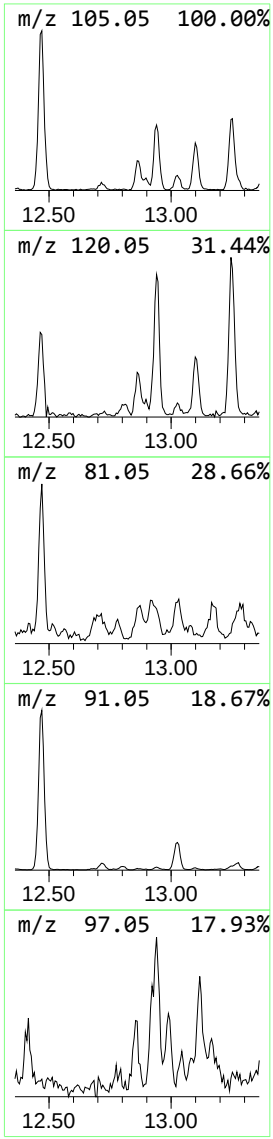
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethyl-4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	4.98 ug/L	72546	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	68
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	68
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

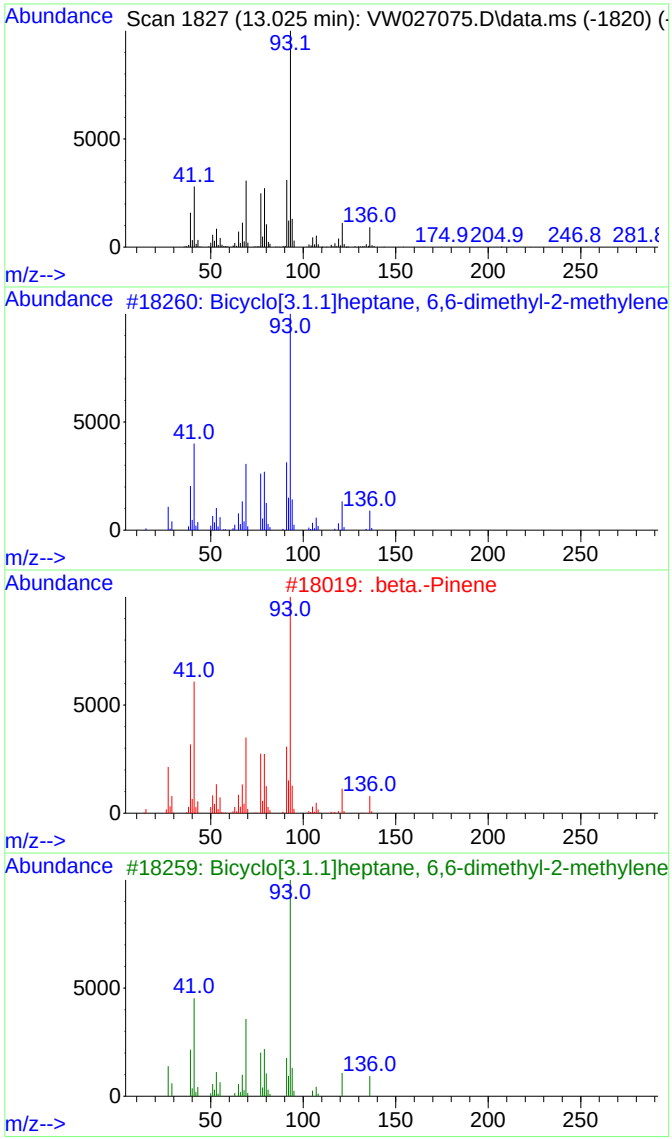
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

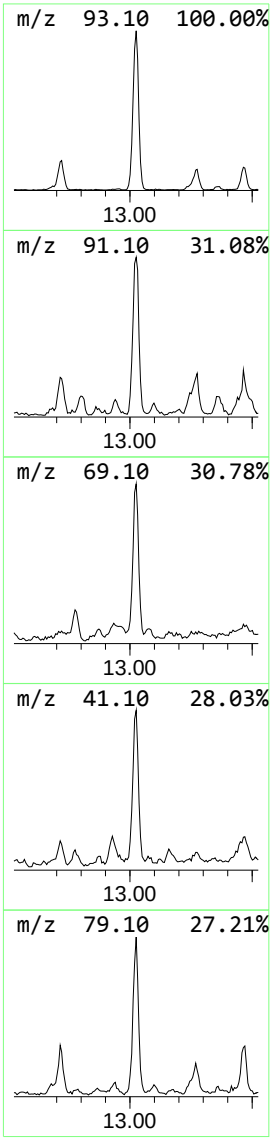
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.025	37.54 ug/L	546387	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	94
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94
4	.beta.-Pinene	136	C10H16	000127-91-3	91
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

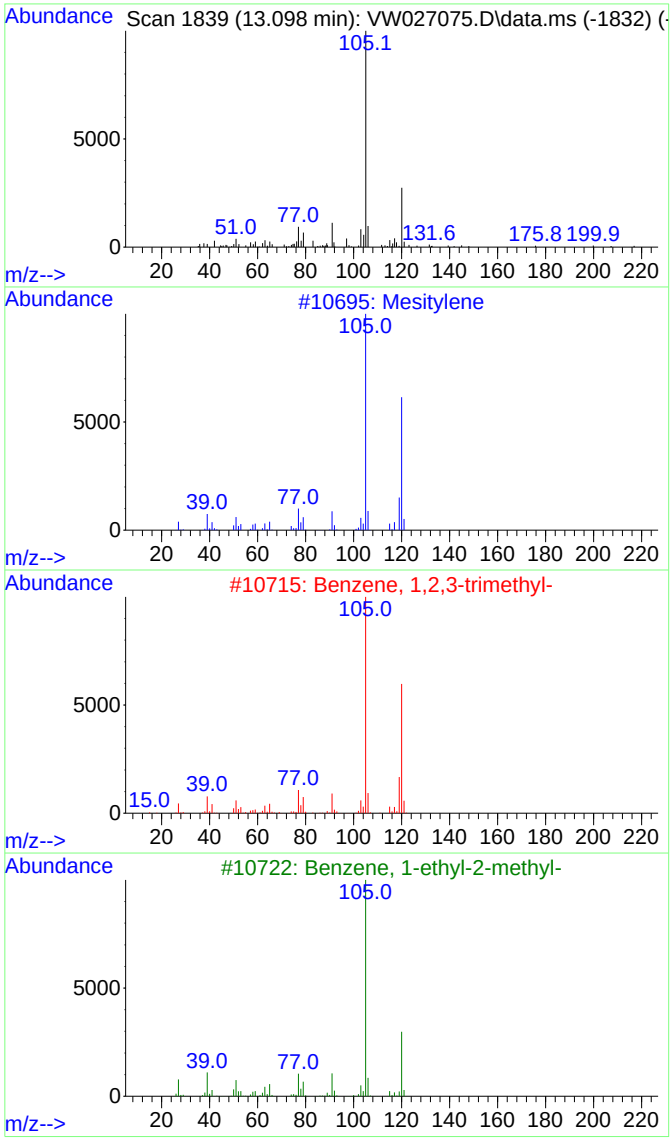
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

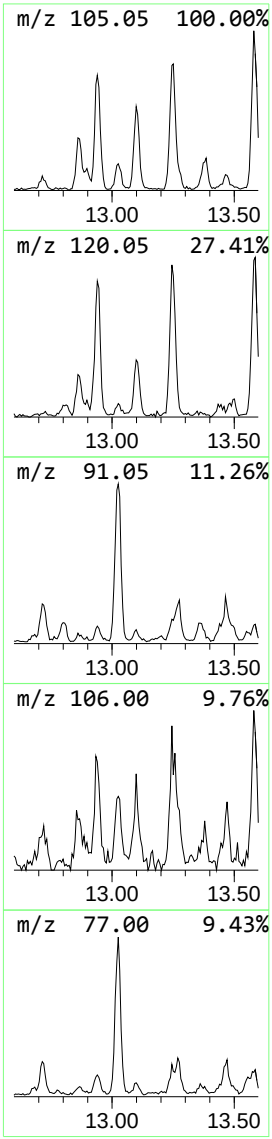
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	4.32 ug/L	62862	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	90
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

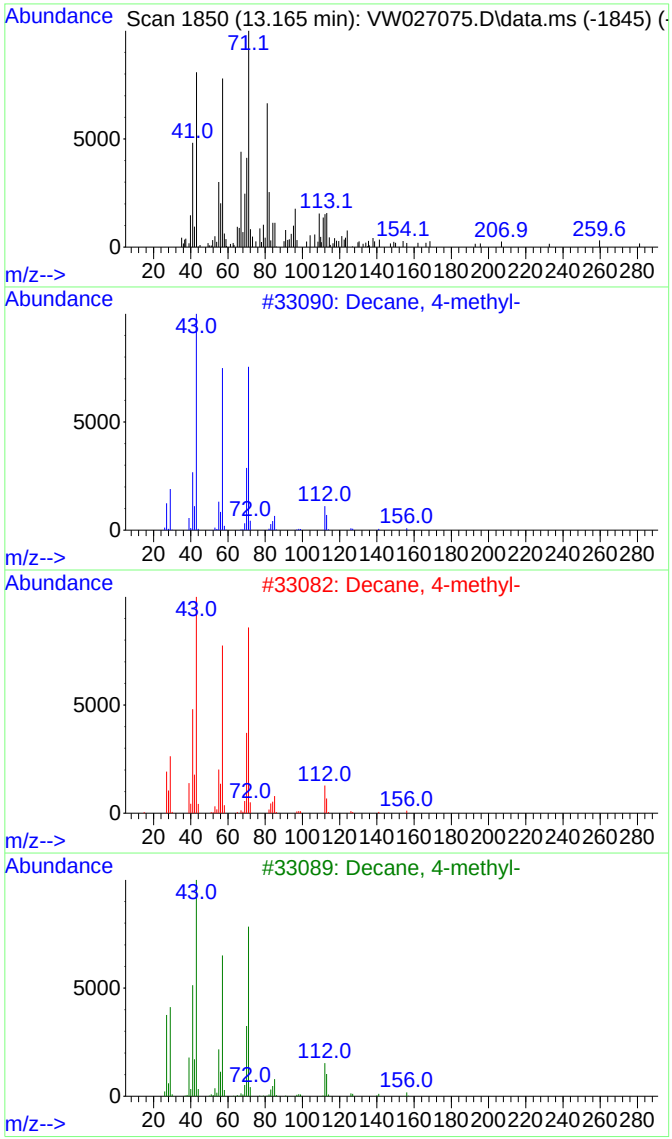
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

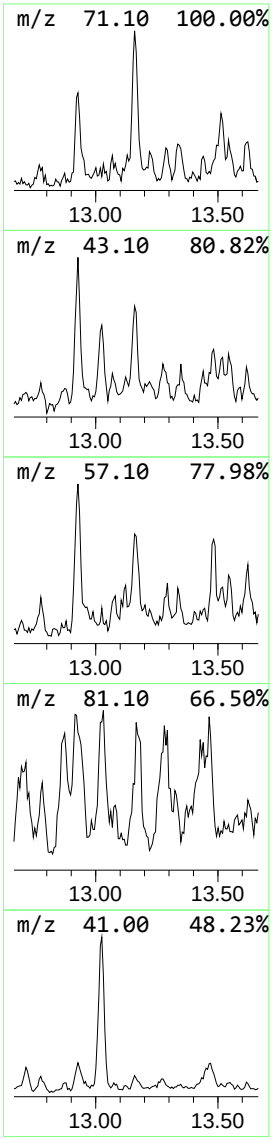
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.165	3.94 ug/L	57322	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	60
2	Decane, 4-methyl-	156	C11H24	002847-72-5	53
3	Decane, 4-methyl-	156	C11H24	002847-72-5	49
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	47
5	1,2-Cyclohexanediol, 1-methyl-, ...	130	C7H14O2	019534-08-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

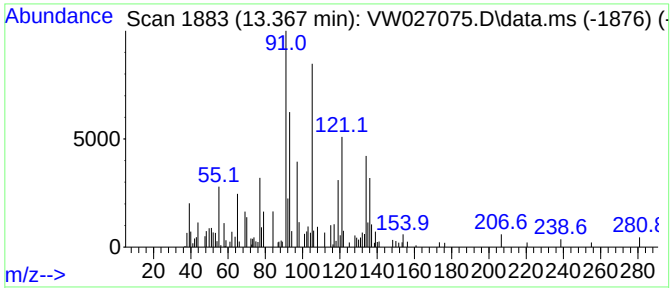
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

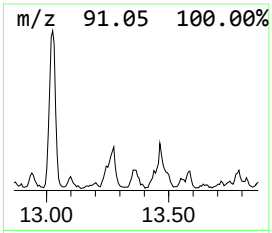
****

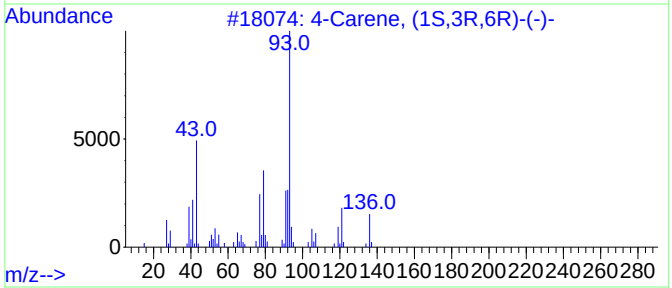
Peak Number 16 unknown-02 Concentration Rank 24

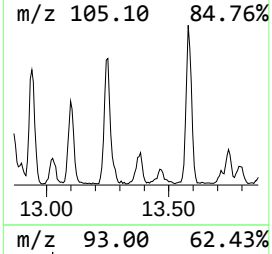
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.367	3.06 ug/L	44579	1,4-Dichlorobenzene-d4	13.556

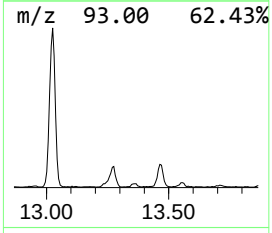
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	30
2	.alpha.-Pinene	136	C10H16	000080-56-8	30
3	Cycloheptane, 1,3,5-tris(methyle...	134	C10H14	068284-24-2	30
4	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	30
5	.alpha.-Pinene	136	C10H16	000080-56-8	30

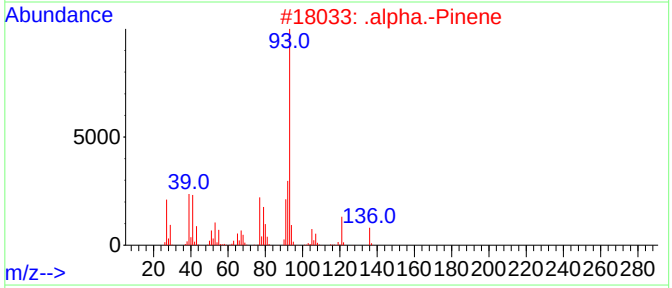


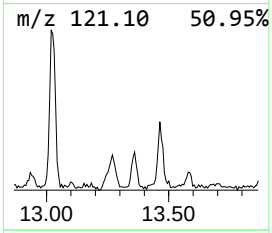


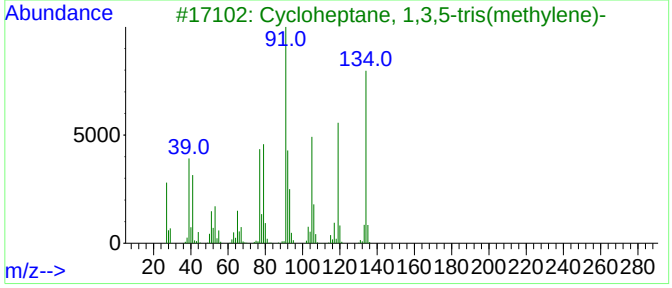


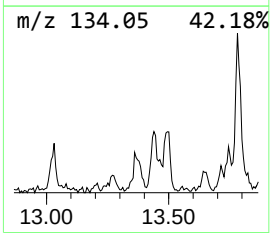












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

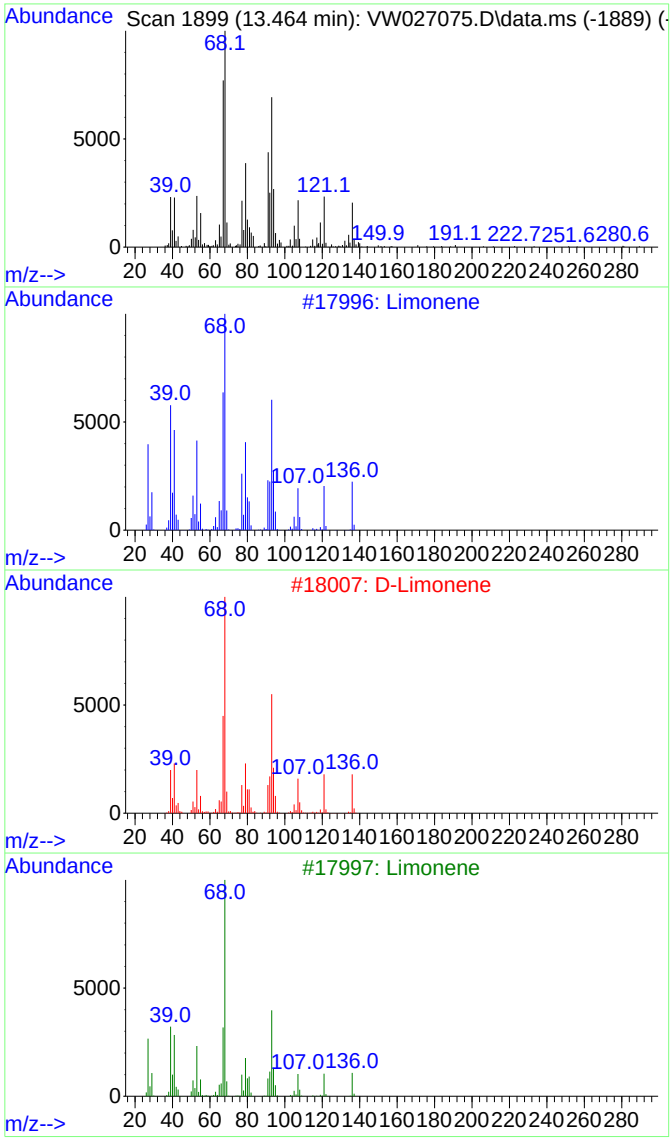
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

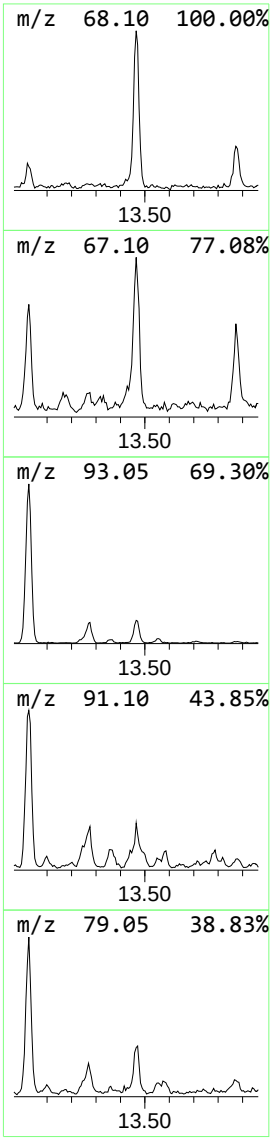
****

Peak Number 17 Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.464	22.69 ug/L	330318	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Limonene	136	C10H16	000138-86-3	94
2	D-Limonene	136	C10H16	005989-27-5	74
3	Limonene	136	C10H16	000138-86-3	70
4	Limonene	136	C10H16	000138-86-3	70
5	D-Limonene	136	C10H16	005989-27-5	62





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Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

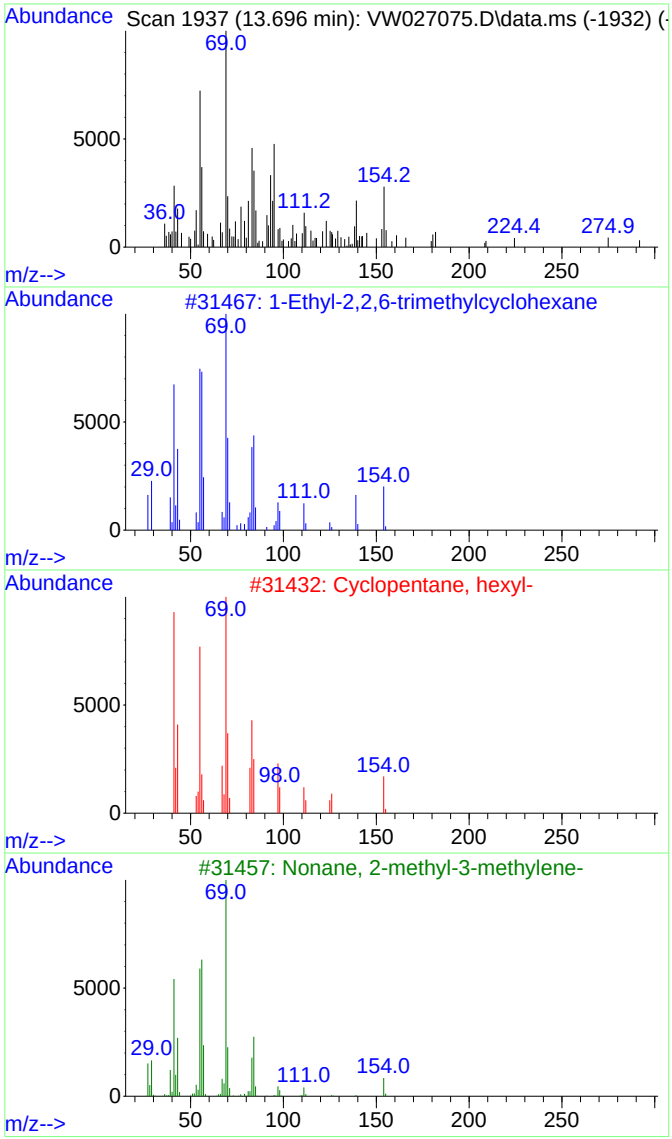
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

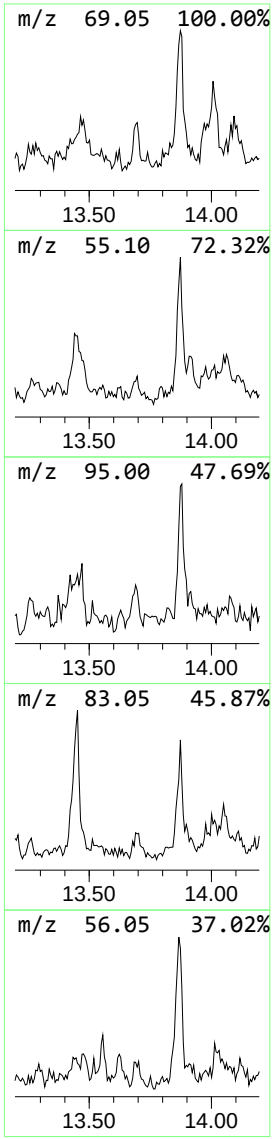
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic13.696 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.696	2.05 ug/L	29792	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	53
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	49
3	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	38
4	(S)-3-Ethyl-4-methylpentanol	130	C8H18O	1000144-07-1	30
5	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	27





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Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

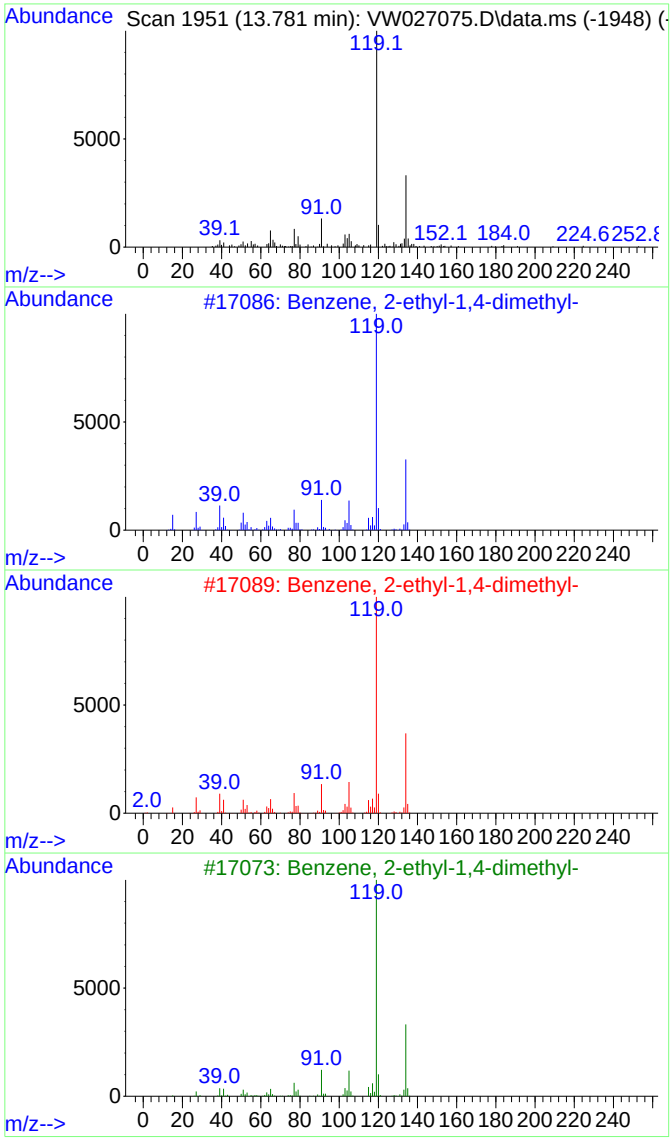
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

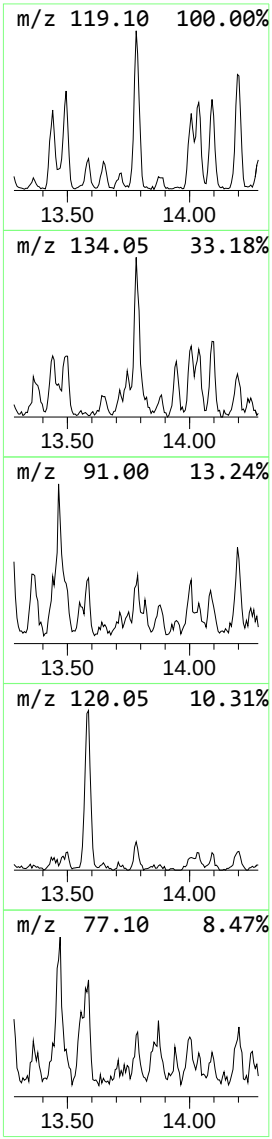
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.781	3.13 ug/L	45542	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

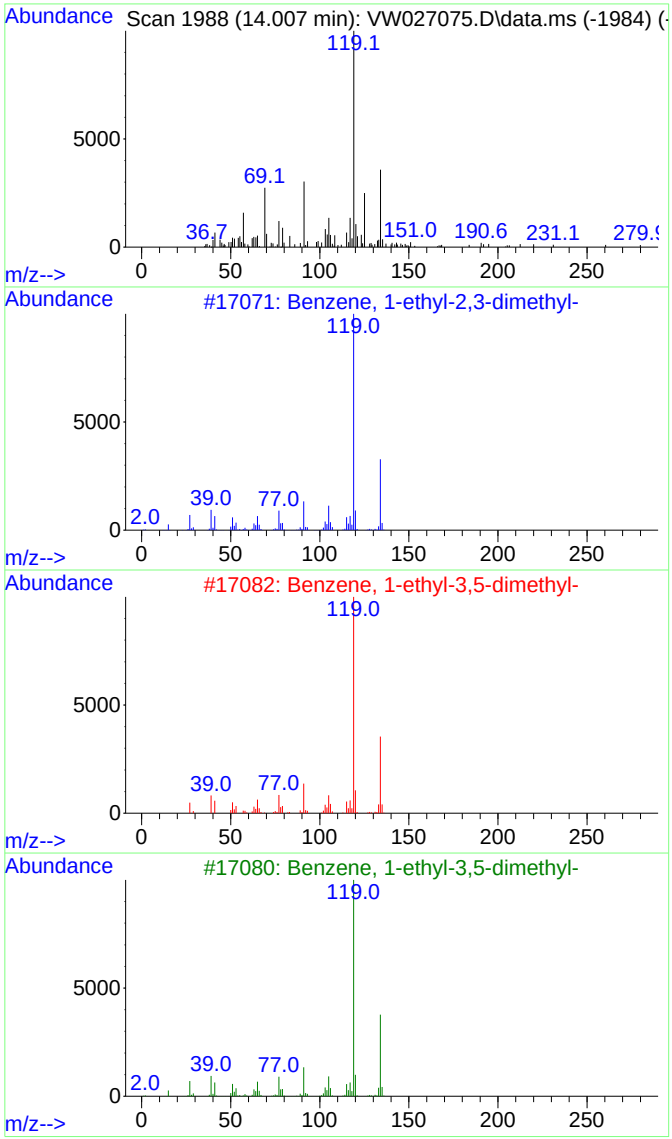
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

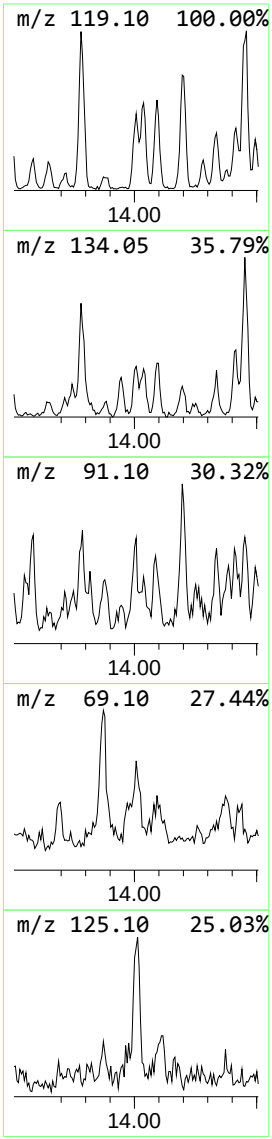
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	2.51 ug/L	36550	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	89
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

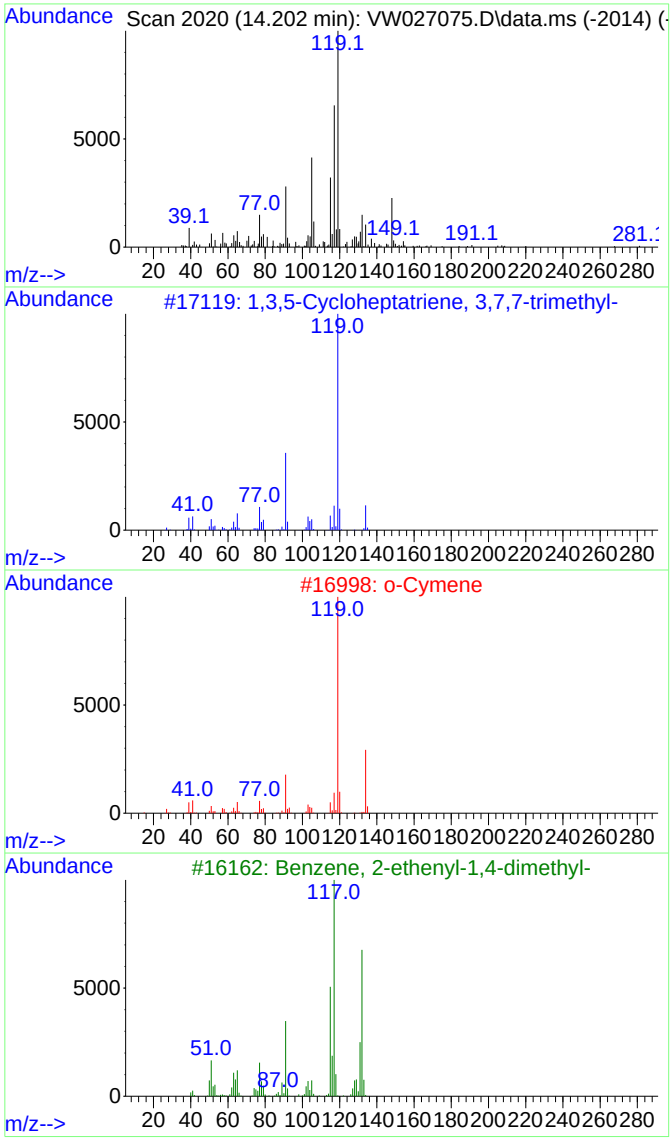
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

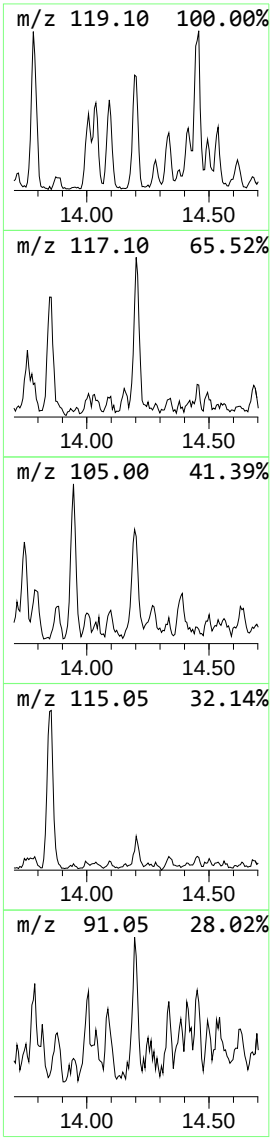
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	6.44 ug/L	93703	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	41
2	o-Cymene	134	C10H14	000527-84-4	41
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	38
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	38
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

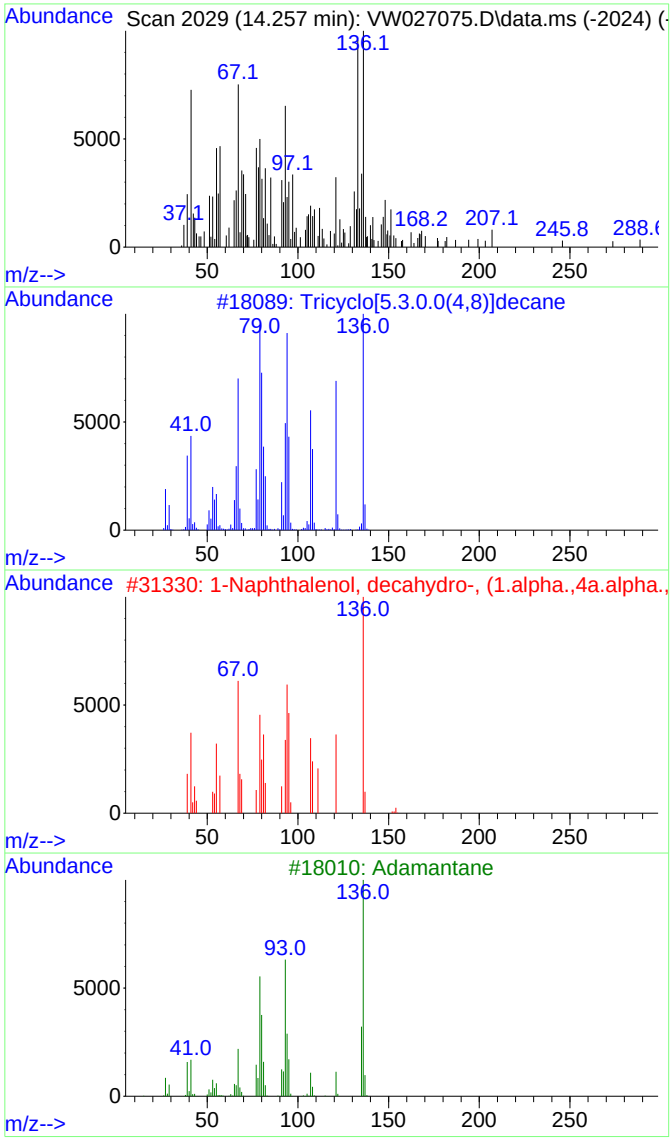
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

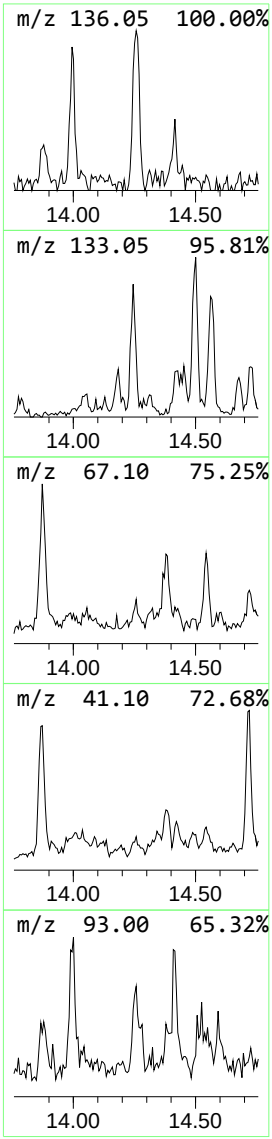
****

Peak Number 22 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	3.86 ug/L	56224	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[5.3.0.0(4,8)]decane	136	C10H16	019485-20-2	43
2	1-Naphthalenol, decahydro-, (1.a...	154	C10H18O	014759-74-1	30
3	Adamantane	136	C10H16	000281-23-2	25
4	1,4-Benzenediamine, 2,3-dimethyl-	136	C8H12N2	005306-96-7	25
5	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

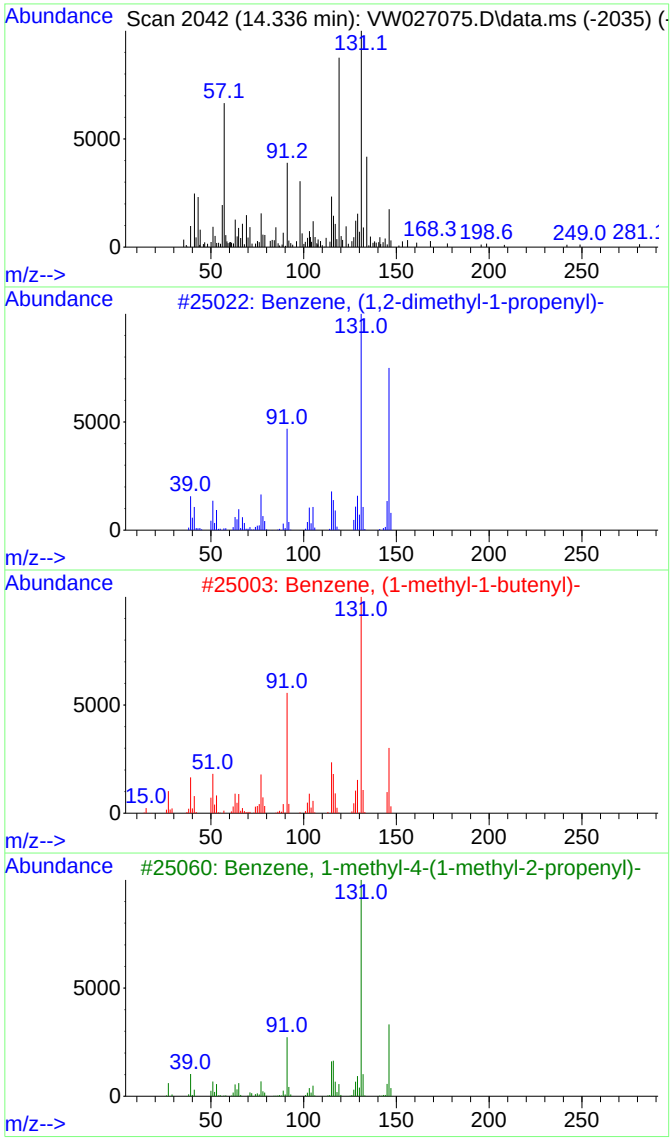
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

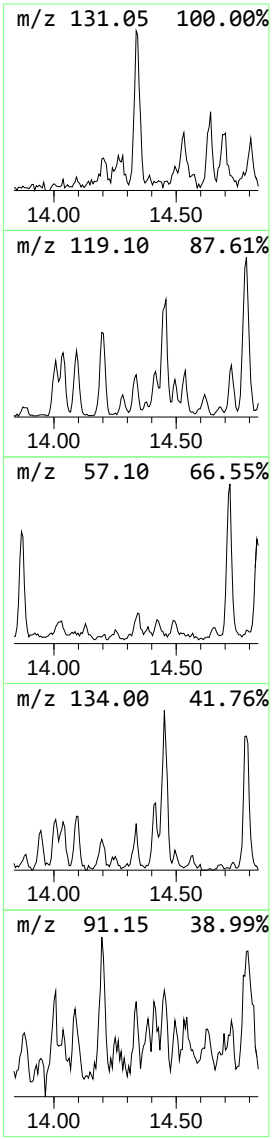
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	5.87 ug/L	85493	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	59
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	46
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	46
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

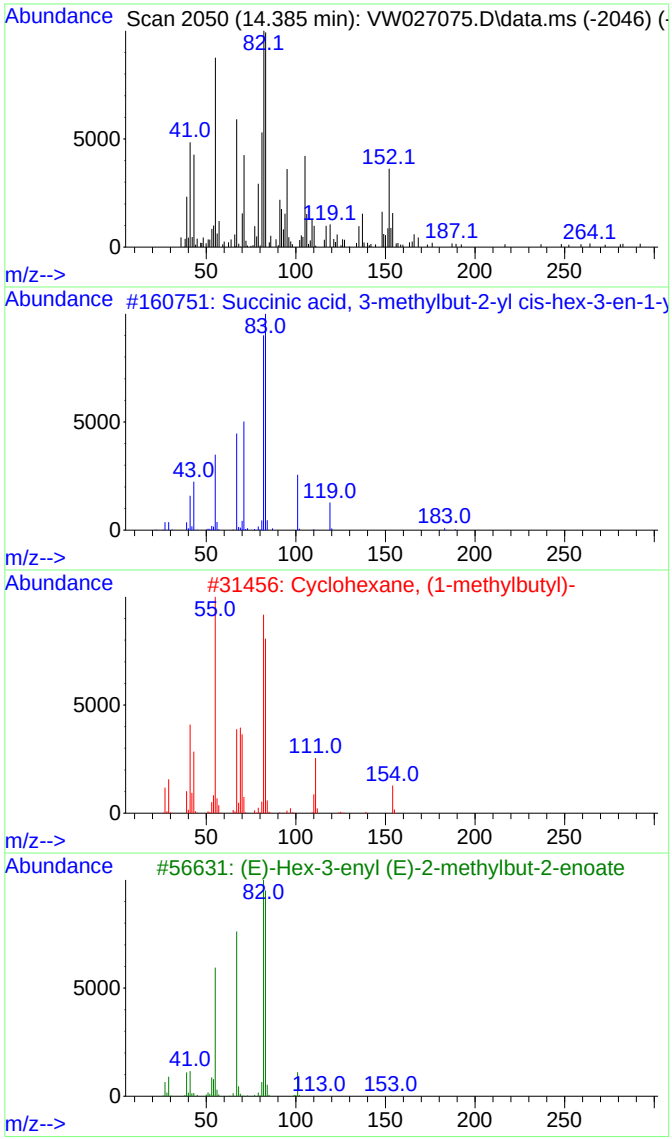
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

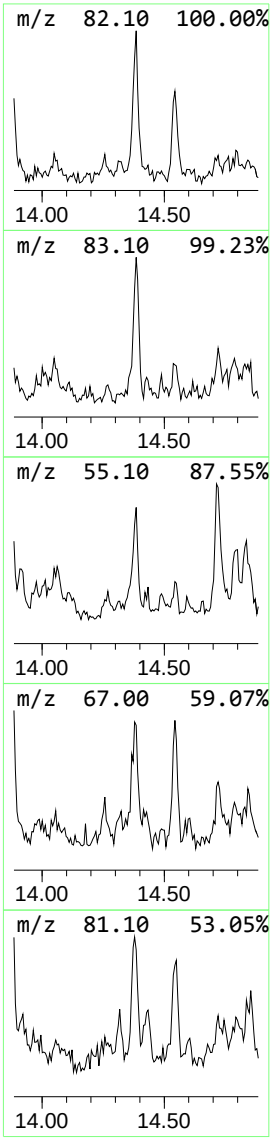
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Succinic acid, 3-methylbut-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	4.42 ug/L	64296	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, 3-methylbut-2-yl ...	270	C15H26O4	1000391-08-2	53
2	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	50
3	(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	120603-00-1	47
4	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	47
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

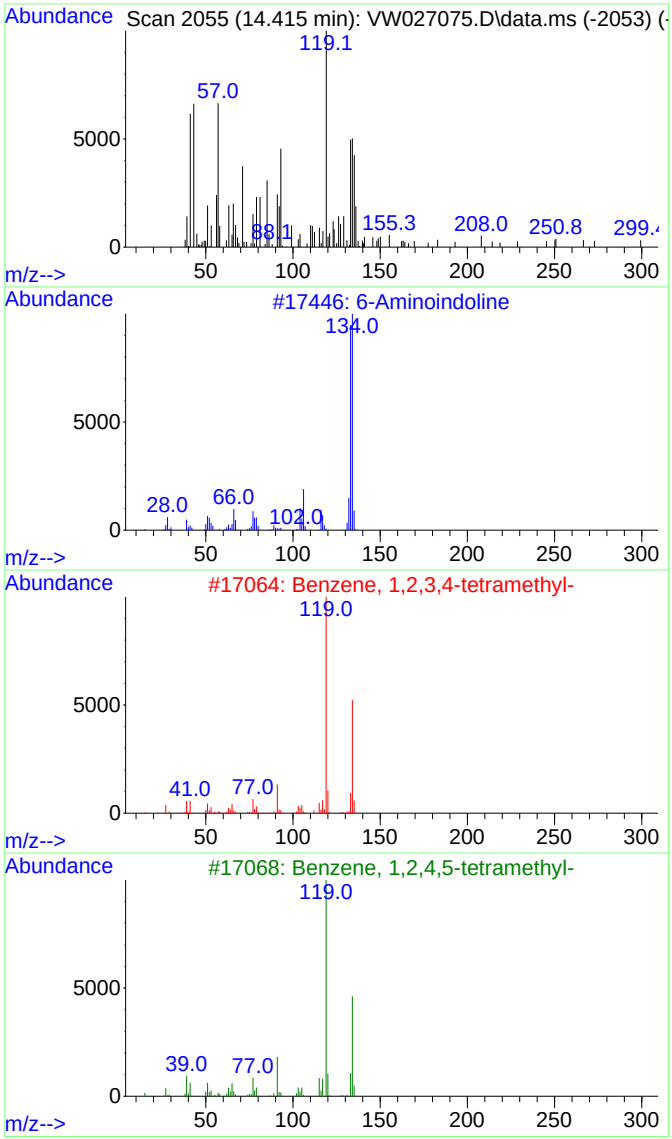
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

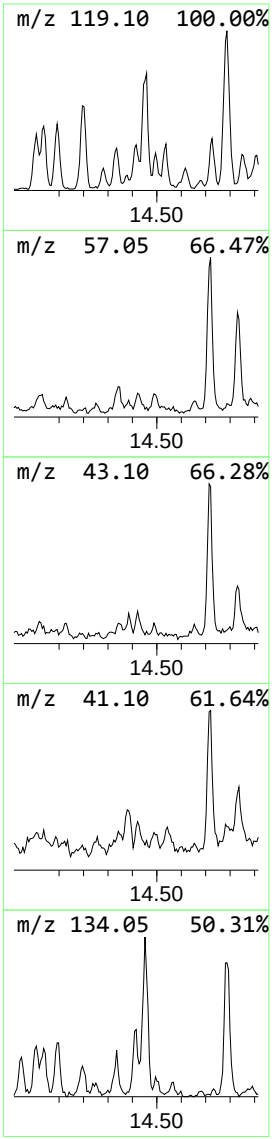
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 unknown-05 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	1.50 ug/L	21881	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Aminoindoline	134	C8H10N2	015918-79-3	35
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	25
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	22
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	22
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

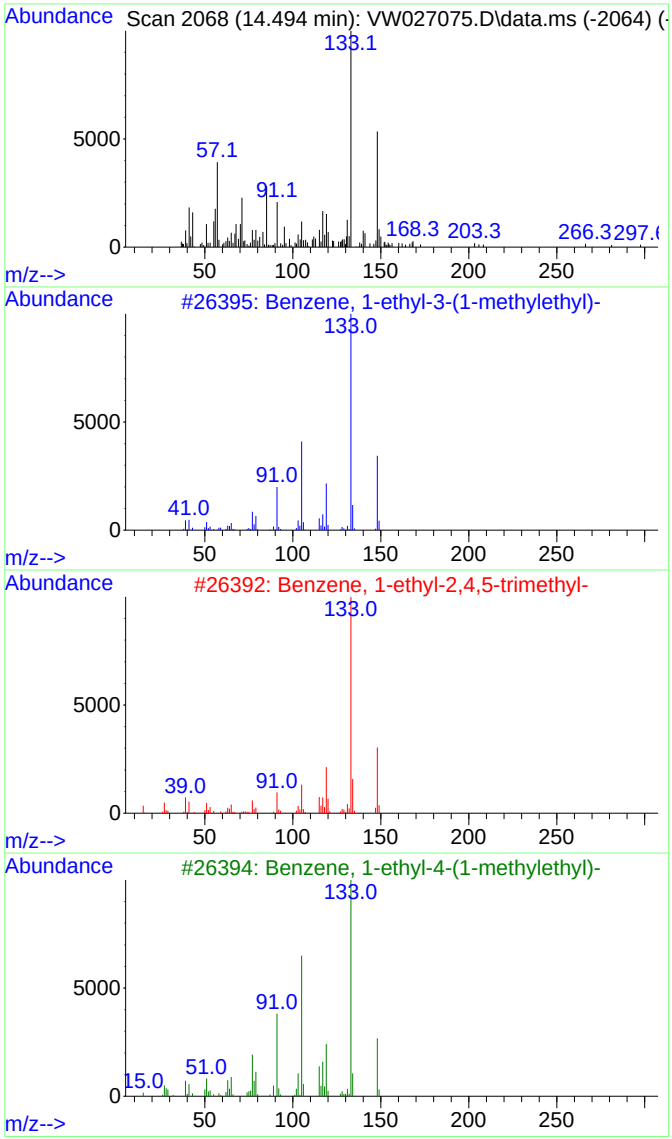
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

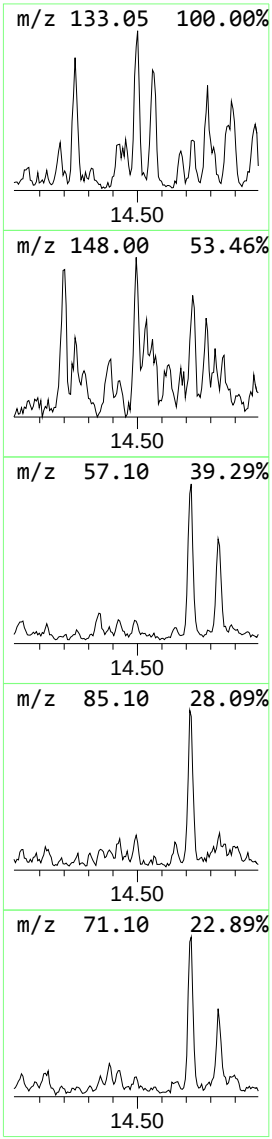
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	2.90 ug/L	42177	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

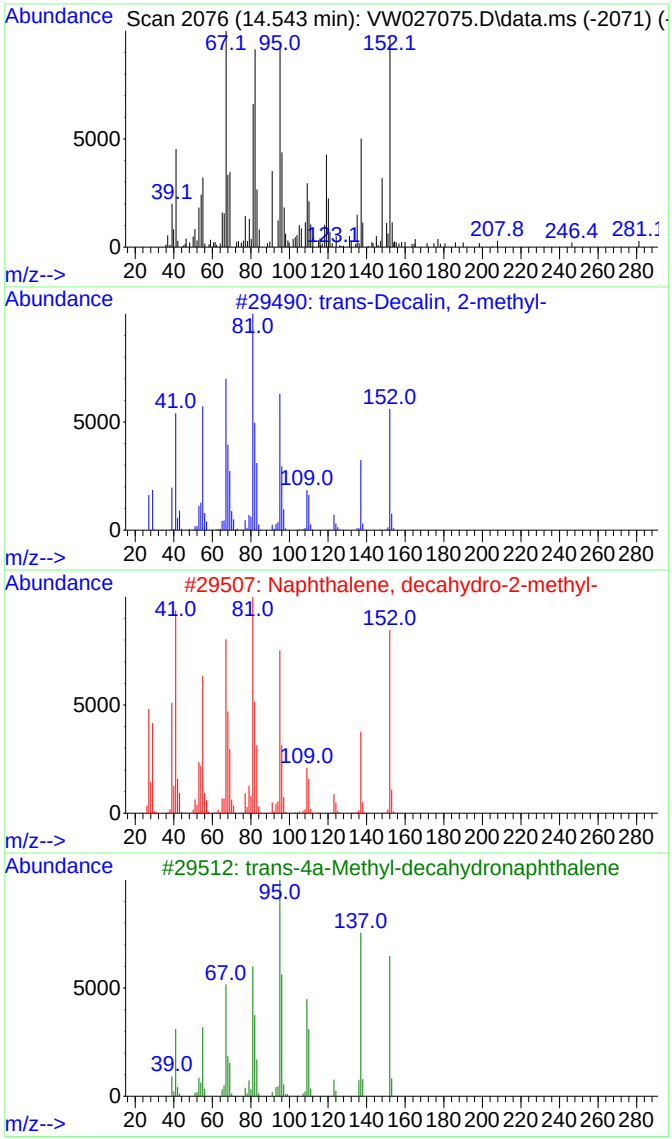
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

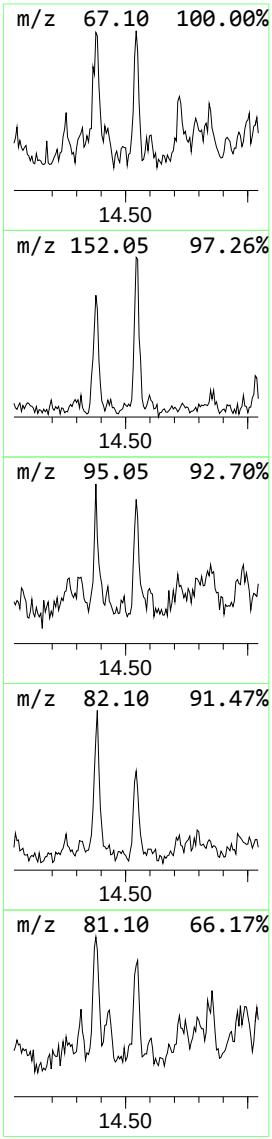
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	6.08 ug/L	88548	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76
5	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

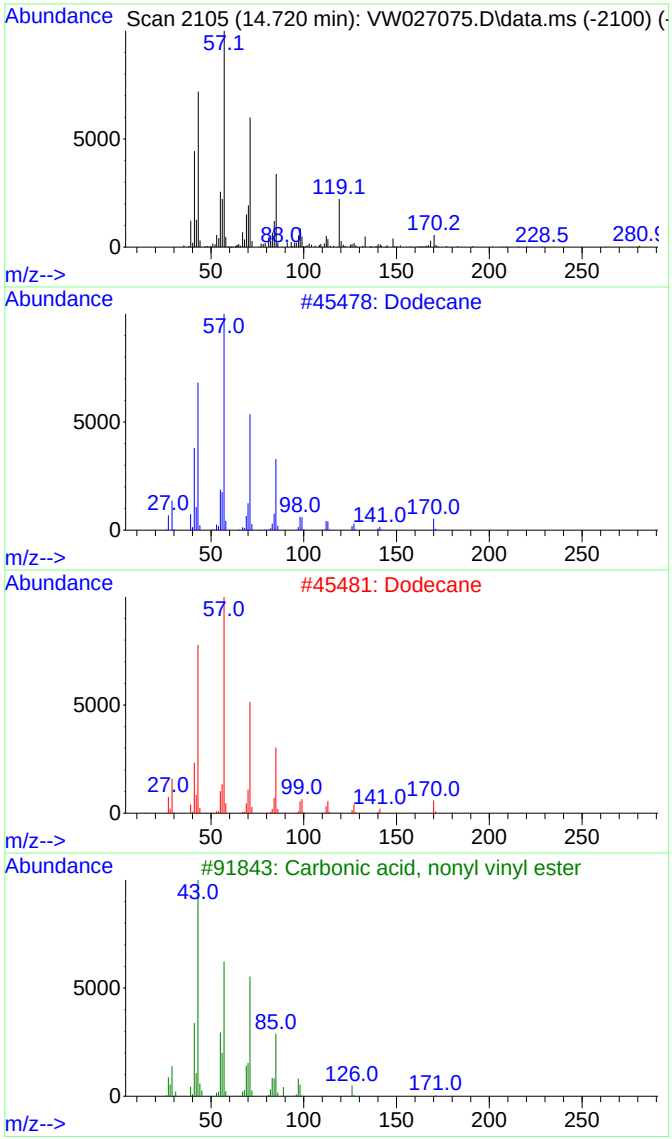
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

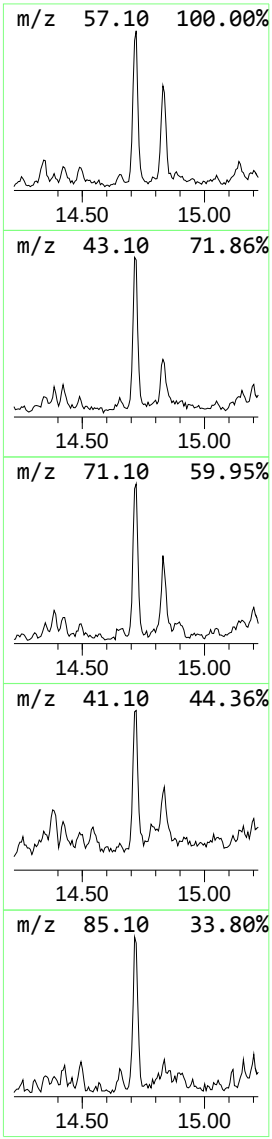
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	13.21 ug/L	192299	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	68
2	Dodecane	170	C12H26	000112-40-3	62
3	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	58
4	Nonane	128	C9H20	000111-84-2	52
5	Carbonic acid, octyl prop-1-en-2...	214	C12H22O3	1000382-54-0	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

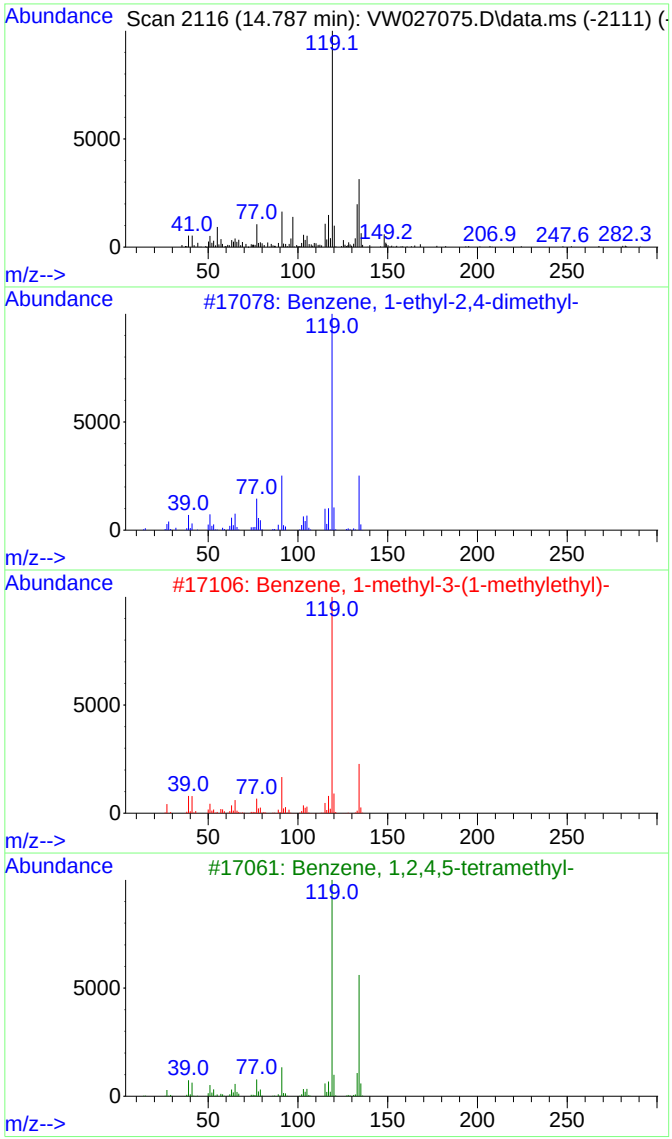
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

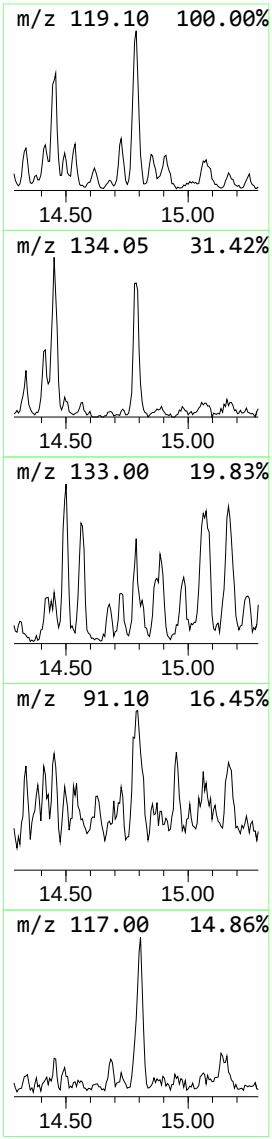
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	10.33 ug/L	150375	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

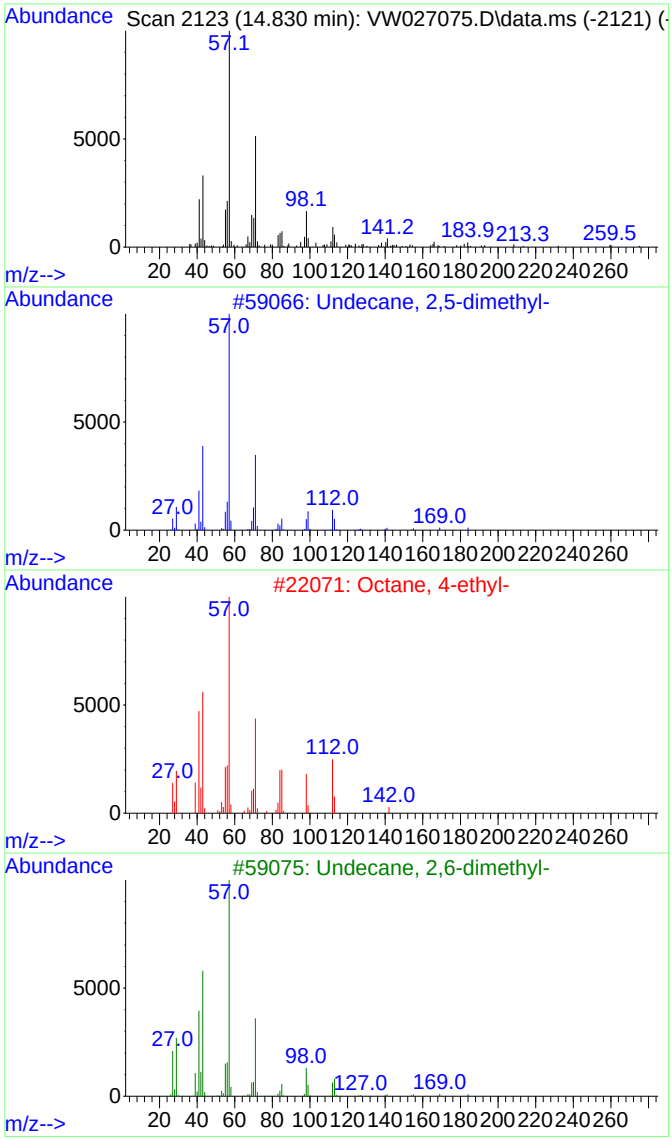
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

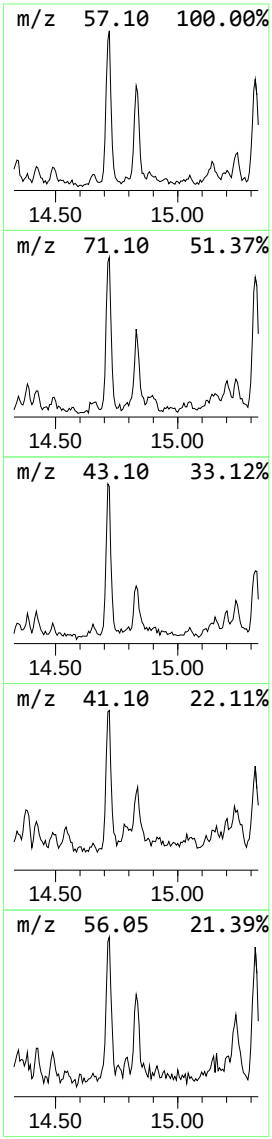
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	6.21 ug/L	90323	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	72
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	72
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
5	10-Methylnonadecane	282	C20H42	056862-62-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

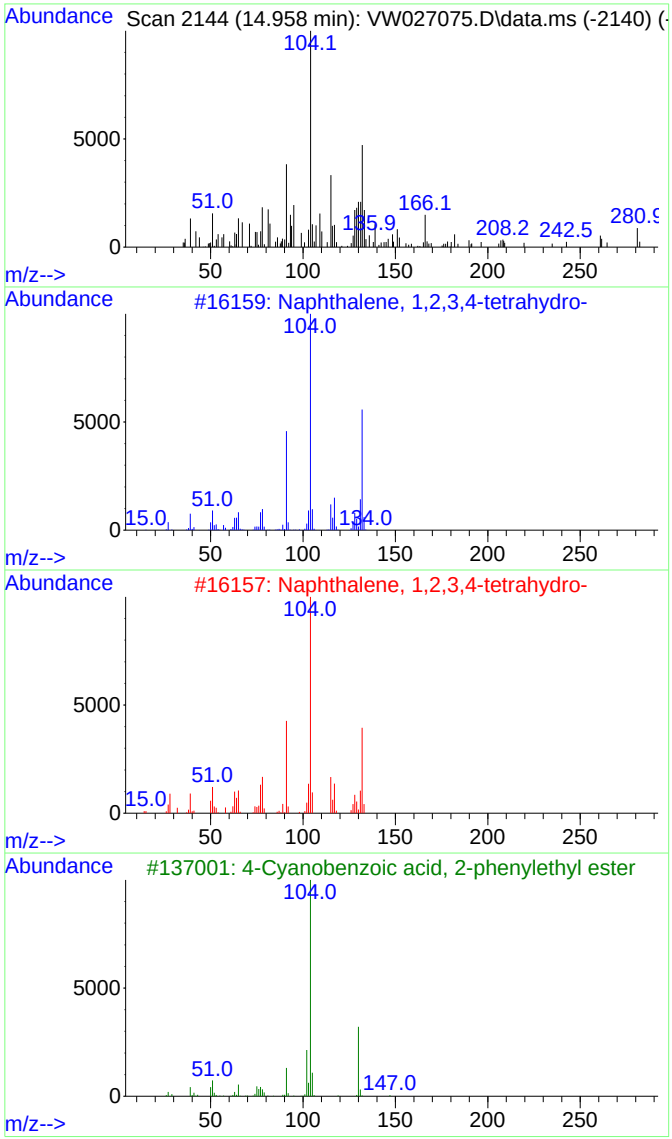
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

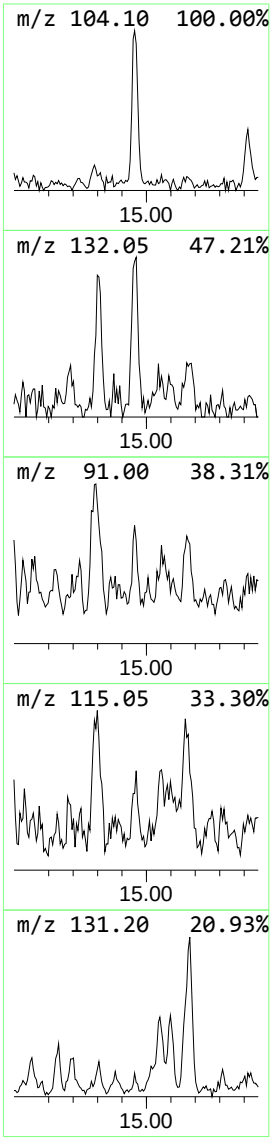
****

Peak Number 31 unknown-06 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.958	1.52 ug/L	22129	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	49
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	47
3	4-Cyanobenzoic acid, 2-phenyleth...	251	C16H13NO2	131786-46-4	35
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	22
5	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

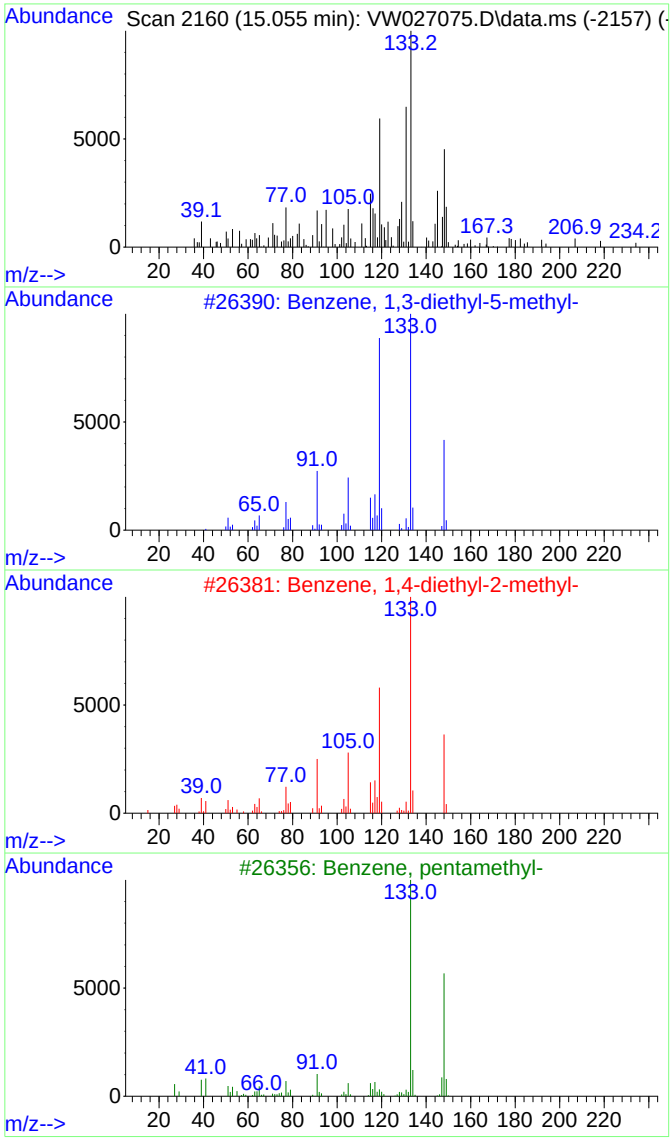
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

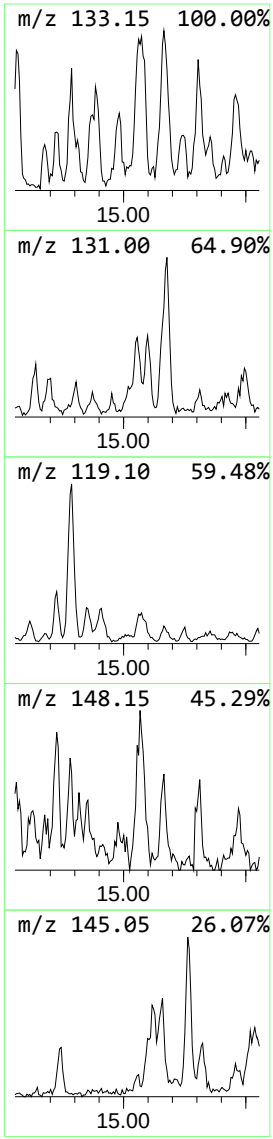
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.055	2.29 ug/L	33280	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	53
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	43
4	6-Methyl-4-indanol	148	C10H12O	020294-32-0	43
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

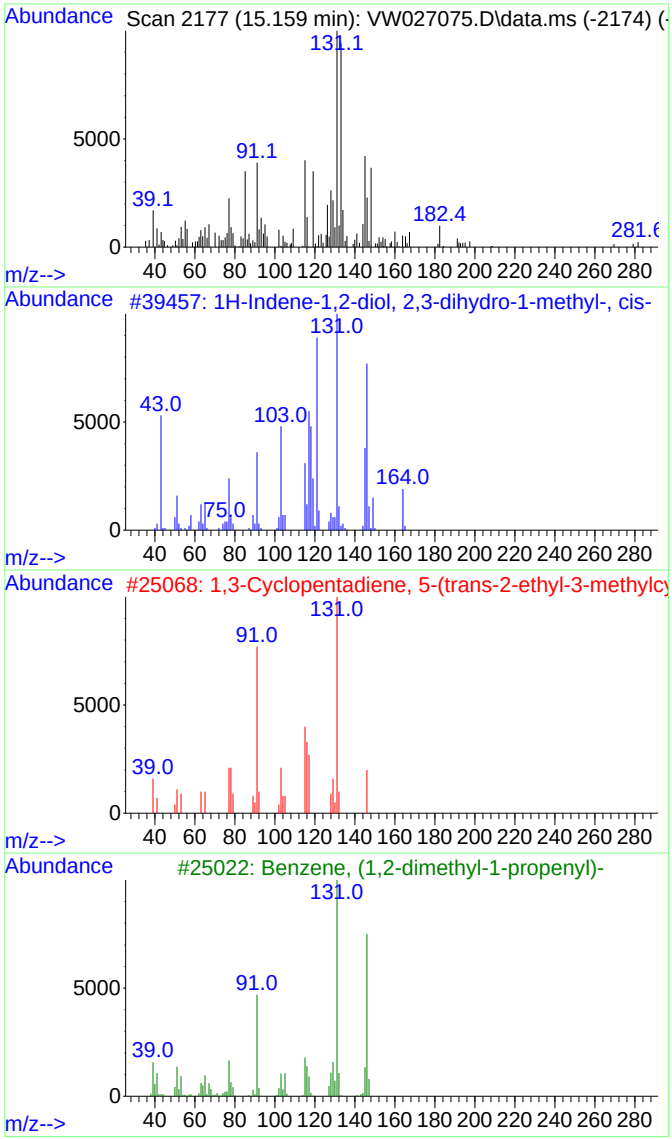
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

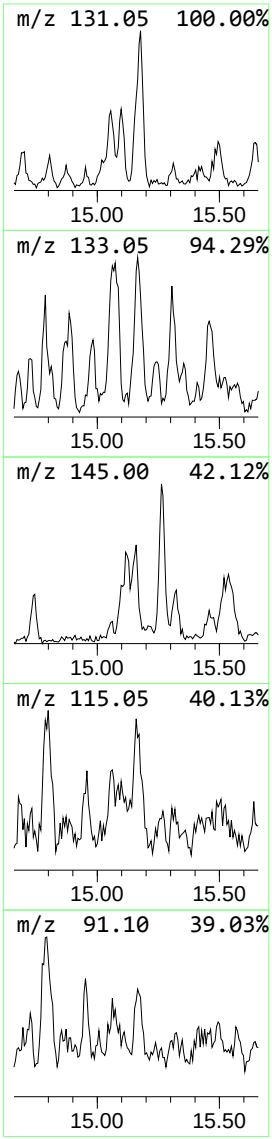
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 unknown-07 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.159	4.01 ug/L	58412	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-1,2-diol, 2,3-dihydro-...	164	C10H12O2	056588-29-5	46
2	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	38
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	30
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	30
5	Benzamide, N-[(3,4-dihydro-1H-2-...	281	C18H19NO2	1000320-15-7	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

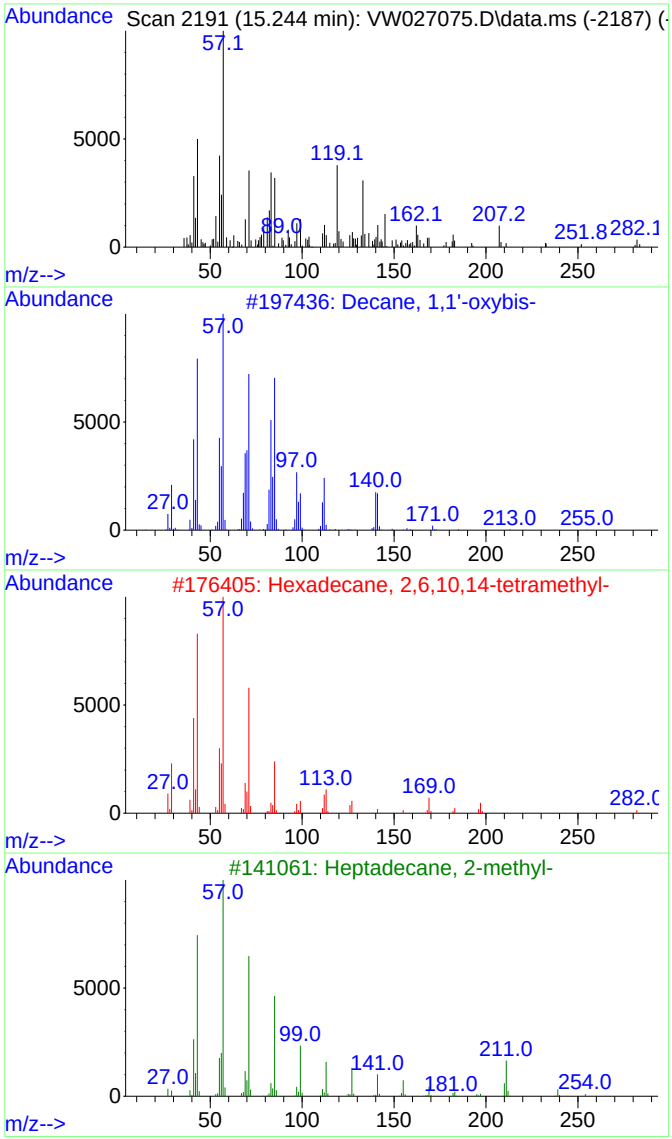
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

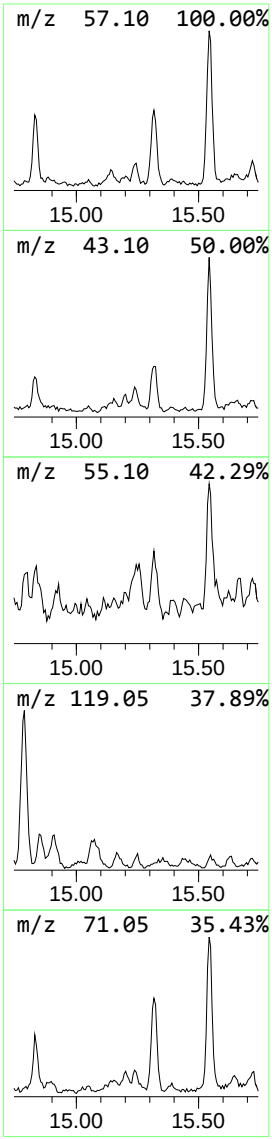
****

Peak Number 34 unknown-08 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.244	6.70 ug/L	97539	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	27
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	22
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	14
4	Decyl isobutyl ether	214	C14H30O	1010406-32-5	14
5	Eicosane	282	C20H42	000112-95-8	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

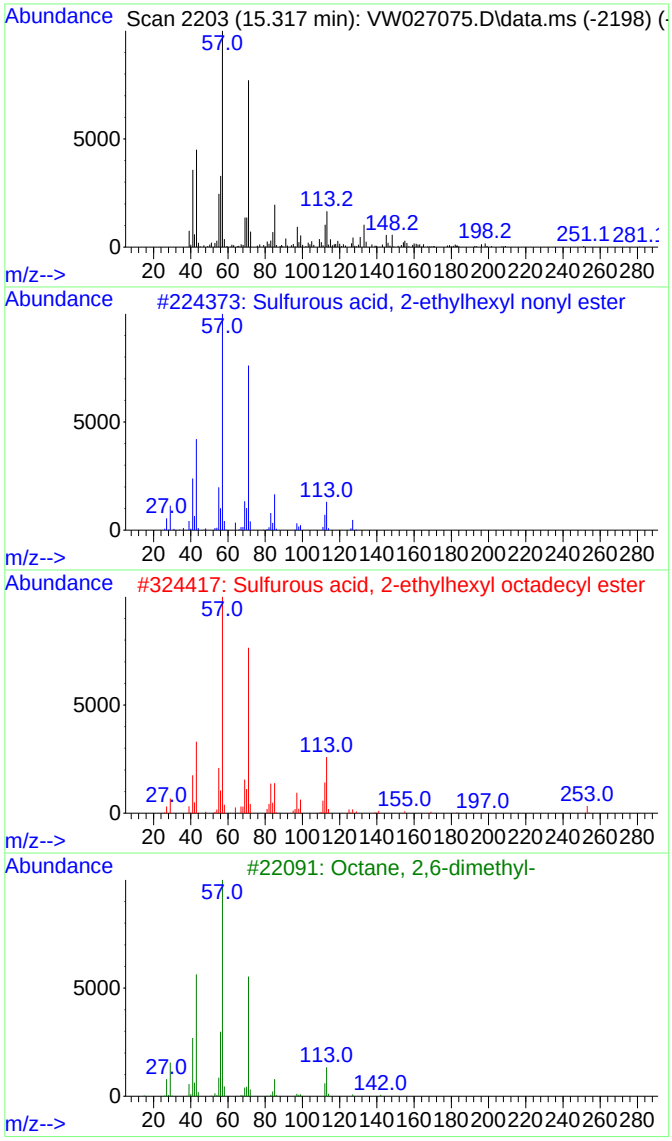
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

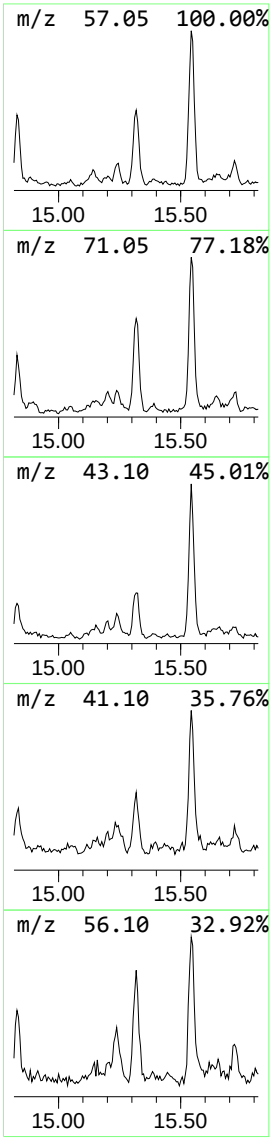
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Sulfurous acid, 2-ethylhexy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	9.80 ug/L	142572	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
2	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

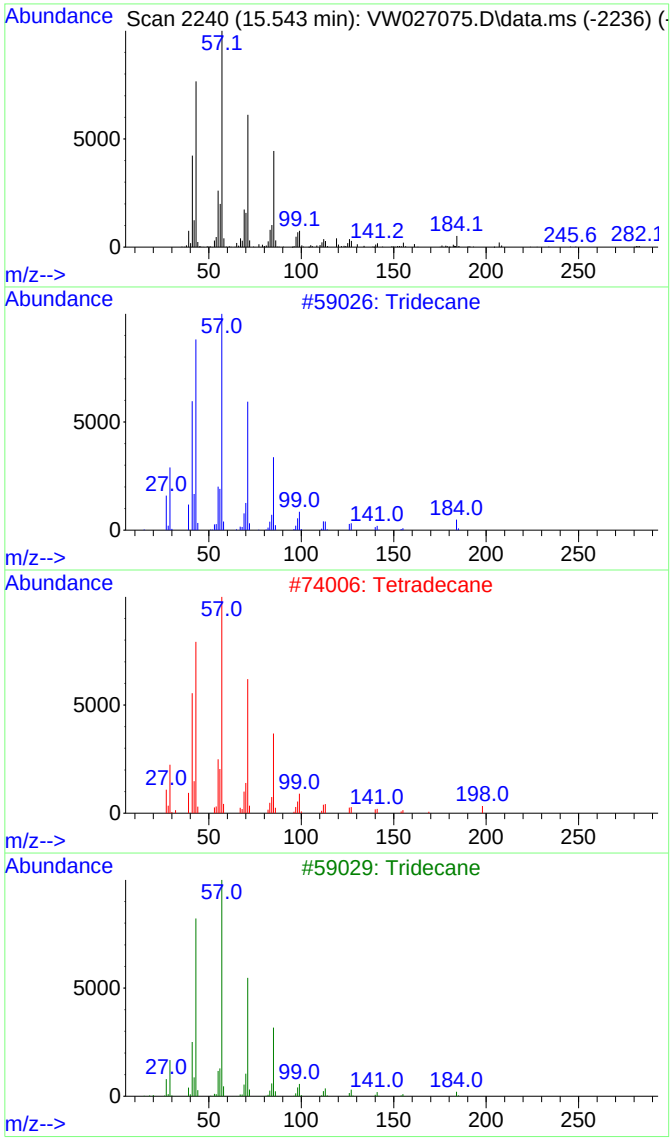
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

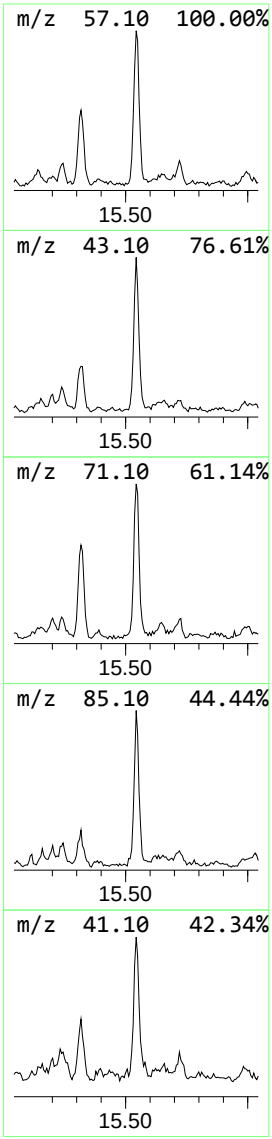
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	21.66 ug/L	315202	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tridecane	184	C13H28	000629-50-5	87
4	Pentadecane	212	C15H32	000629-62-9	86
5	Nonadecane	268	C19H40	000629-92-5	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

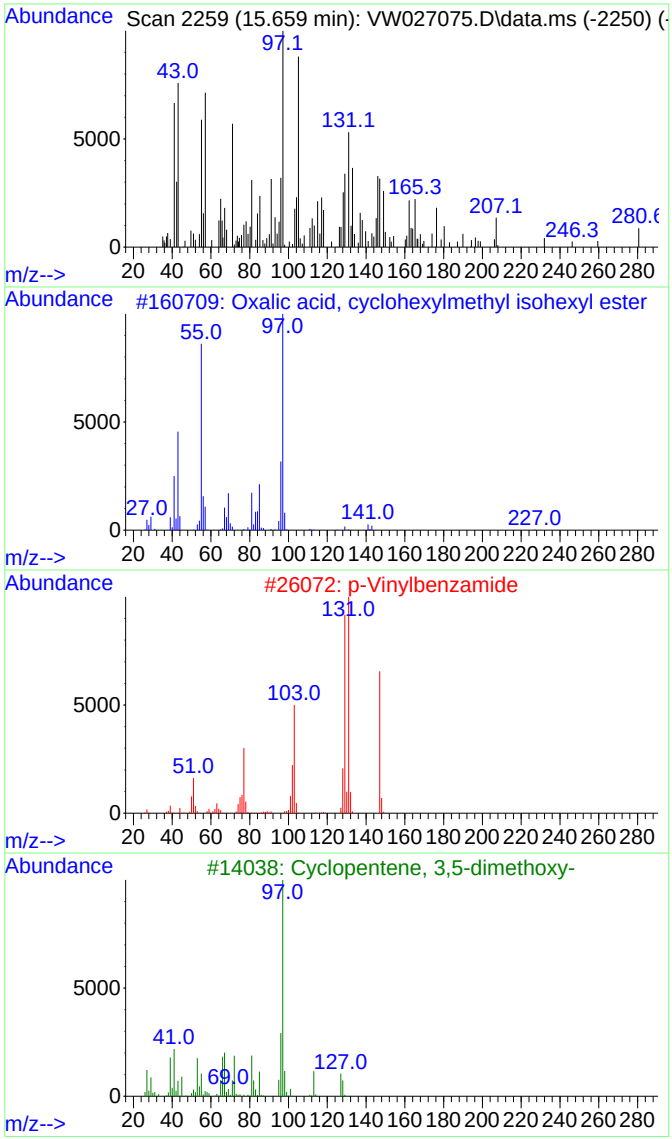
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

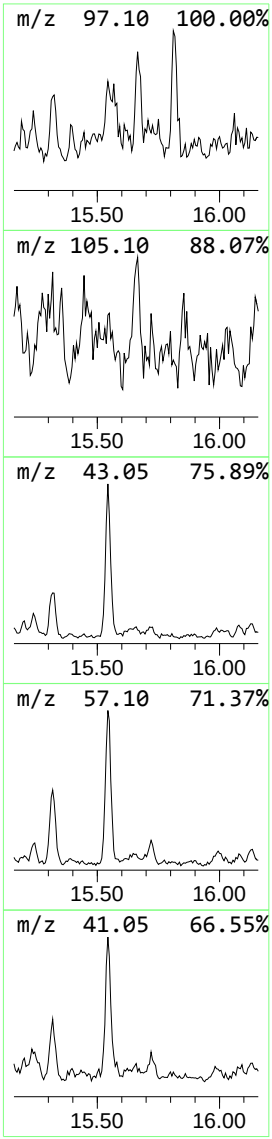
****

Peak Number 37 unknown-09 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.659	5.33 ug/L	77550	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	14
2	p-Vinylbenzamide	147	C9H9NO	003661-73-2	14
3	Cyclopentene, 3,5-dimethoxy-	128	C7H12O2	089897-05-2	14
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	11
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

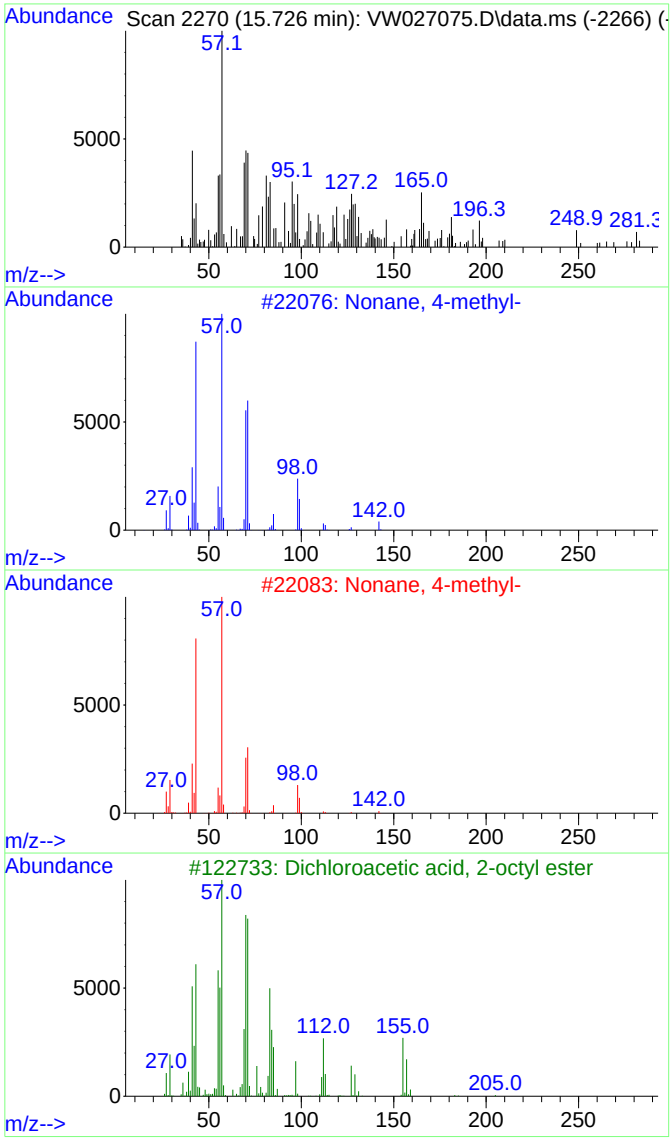
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

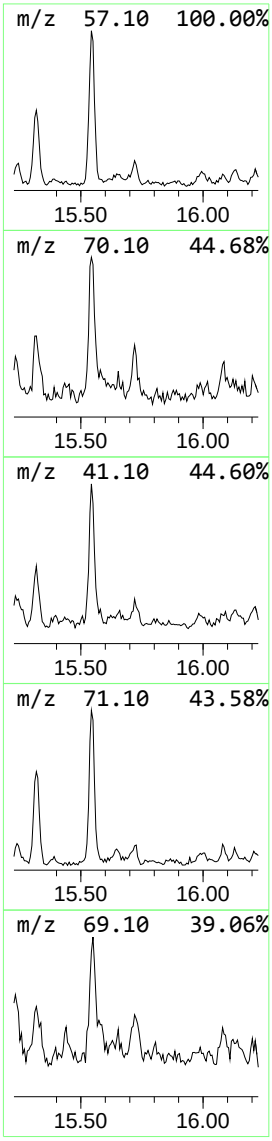
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.726	3.97 ug/L	57815	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	11
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	10
3	Dichloroacetic acid, 2-octyl ester	240	C10H18Cl2O2	096980-53-9	10
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	10
5	Carbonic acid, 2,2,2-trichloroet...	262	C8H13Cl3O3	1000357-89-3	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

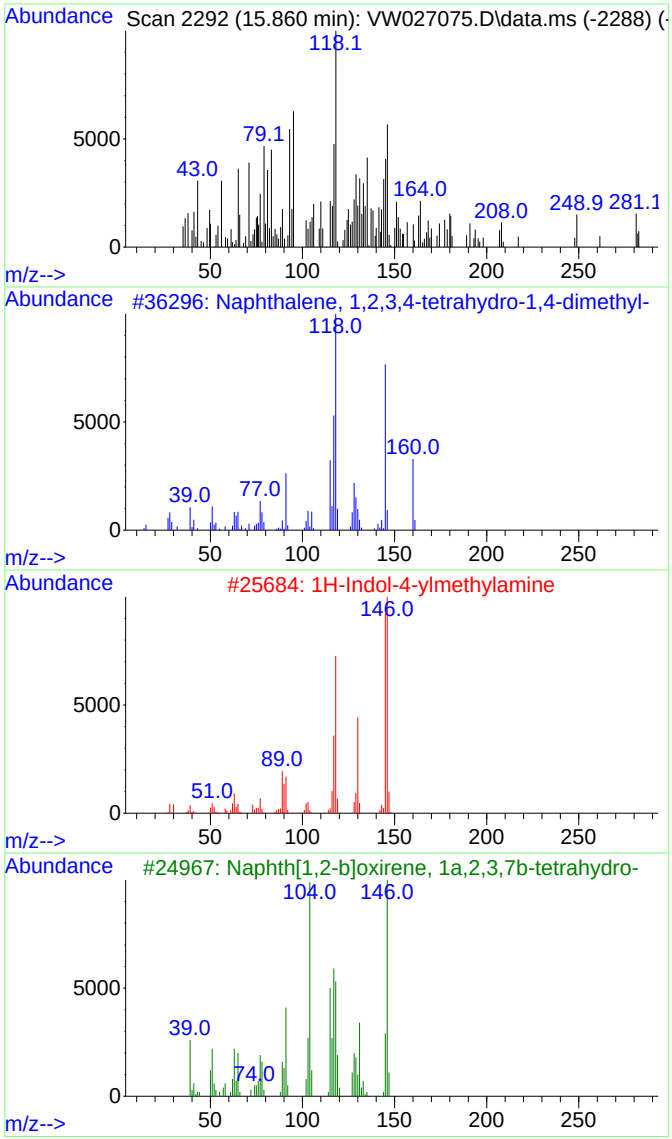
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

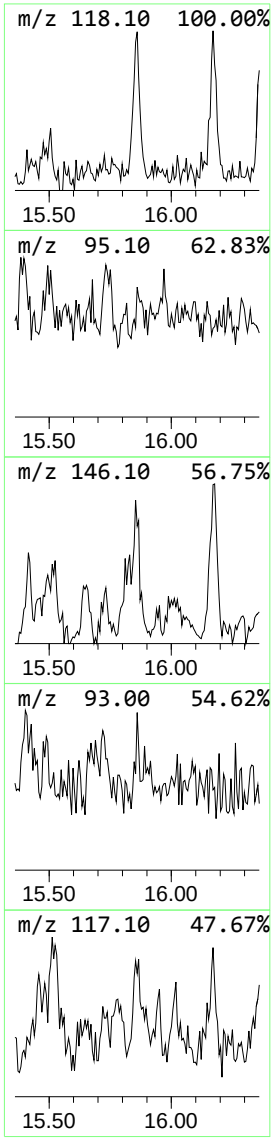
****

Peak Number 39 unknown-10 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.860	1.79 ug/L	26074	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	38
2	1H-Indol-4-ylmethylamine	146	C9H10N2	003468-18-6	38
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	38
4	Myosmine	146	C9H10N2	001125-96-8	38
5	Pyridine, 3-(3,4-dihydro-2H-pyrr...	146	C9H10N2	000532-12-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

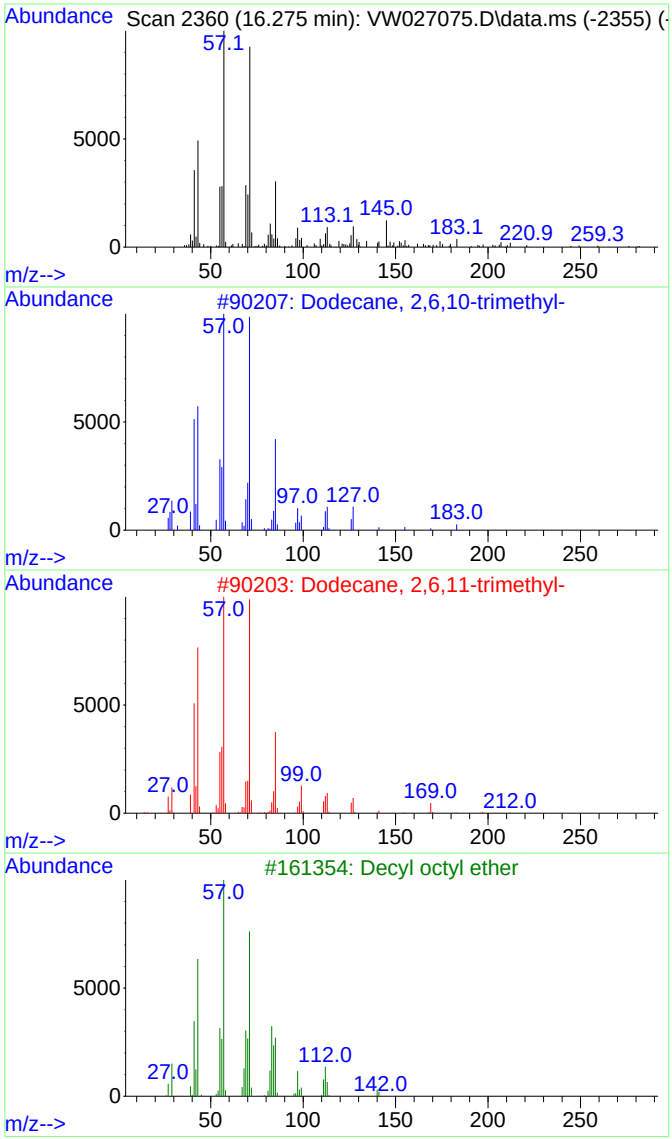
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

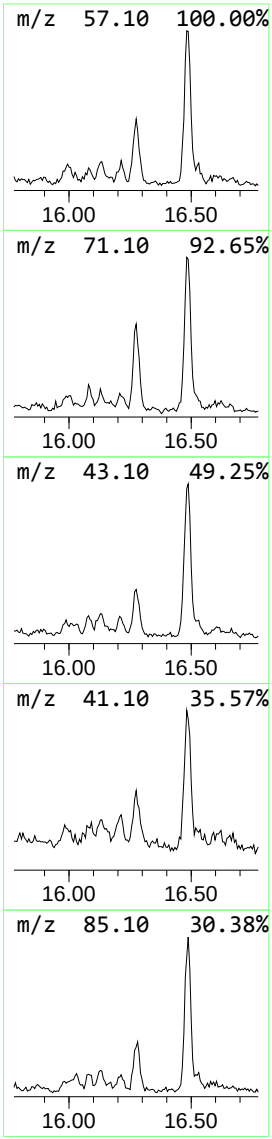
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	7.55 ug/L	109945	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3	Decyl octyl ether	270	C18H38O	1000406-38-3	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

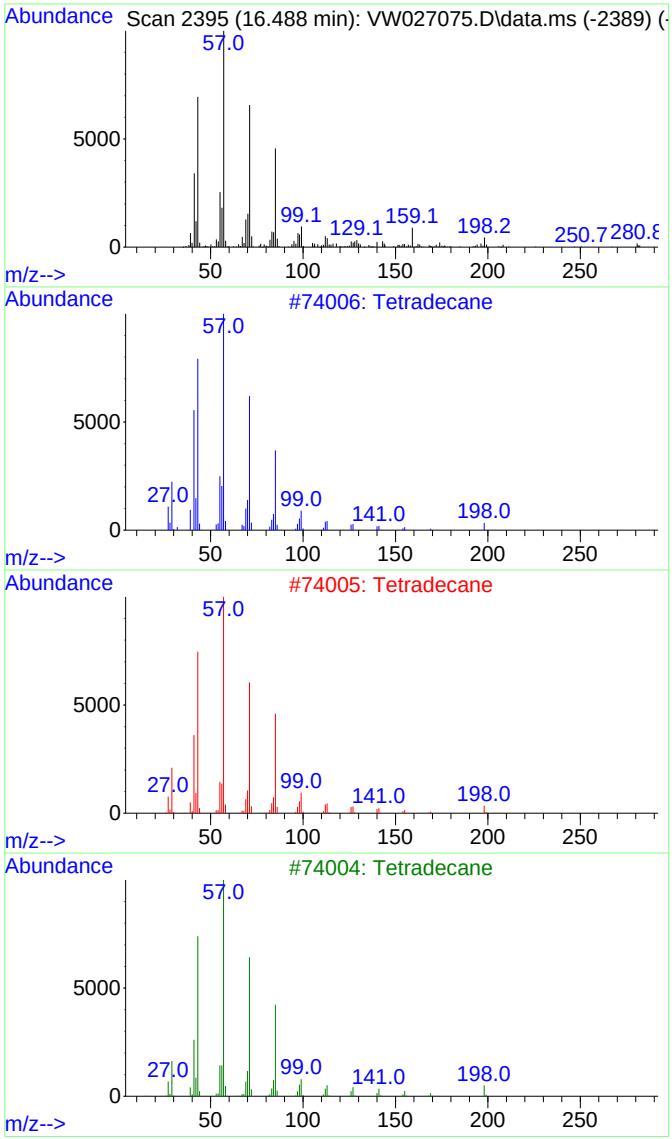
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

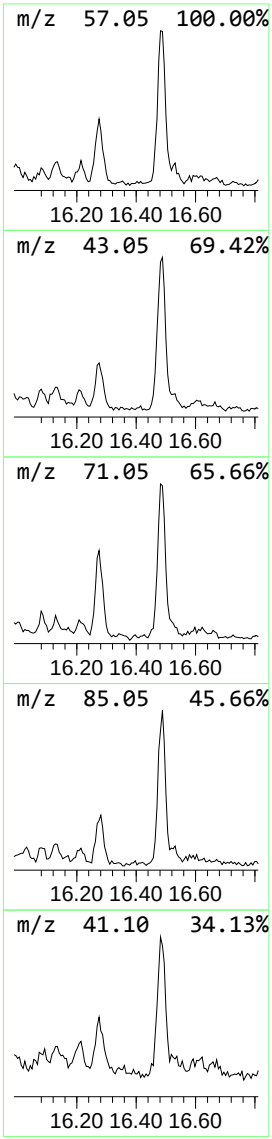
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.488	20.08 ug/L	292284	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Tetradecane	198	C14H30	000629-59-4	95
3	Tetradecane	198	C14H30	000629-59-4	93
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	91
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091223\
Data File : VW027075.D
Acq On : 12 Sep 2023 17:54
Operator : SY/MD
Sample : 04330-15
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.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...	1.960	1.5	ug/L	83470	1	8.843	1398440	25.0
(DEL) Alkane: S...	3.393	1.8	ug/L	100862	1	8.843	1398440	25.0
(DEL) Alkane: S...	5.435	1.5	ug/L	82630	1	8.843	1398440	25.0
(DEL) Alkane: S...	5.941	1.9	ug/L	103742	1	8.843	1398440	25.0
(DEL) Alkane: S...	8.160	1.5	ug/L	83004	1	8.843	1398440	25.0
unknown-01	8.581	1.3	ug/L	72905	1	8.843	1398440	25.0
Dichloroacetic ...	10.501	2.0	ug/L	69143	2	11.629	871458	25.0
(DEL) Alkane: C...	11.227	1.5	ug/L	52677	2	11.629	871458	25.0
(DEL) Alkane: C...	12.775	5.4	ug/L	78940	3	13.556	363875	25.0
Benzene, 1-ethy...	12.861	5.0	ug/L	72546	3	13.556	363875	25.0
Bicyclo[3.1.1]h...	13.025	37.5	ug/L	546387	3	13.556	363875	25.0
Benzene, 1,2,3-...	13.098	4.3	ug/L	62862	3	13.556	363875	25.0
(DEL) Alkane: S...	13.165	3.9	ug/L	57322	3	13.556	363875	25.0
unknown-02	13.367	3.1	ug/L	44579	3	13.556	363875	25.0
Limonene	13.464	22.7	ug/L	330318	3	13.556	363875	25.0
(DEL) Alkane: C...	13.696	2.0	ug/L	29792	3	13.556	363875	25.0
Benzene, 2-ethy...	13.781	3.1	ug/L	45542	3	13.556	363875	25.0
Benzene, 1-ethy...	14.007	2.5	ug/L	36550	3	13.556	363875	25.0
unknown-03	14.202	6.4	ug/L	93703	3	13.556	363875	25.0
unknown-04	14.257	3.9	ug/L	56224	3	13.556	363875	25.0
Benzene, (1,2-d...	14.336	5.9	ug/L	85493	3	13.556	363875	25.0
Succinic acid, ...	14.385	4.4	ug/L	64296	3	13.556	363875	25.0
unknown-05	14.415	1.5	ug/L	21881	3	13.556	363875	25.0
Benzene, 1-ethy...	14.495	2.9	ug/L	42177	3	13.556	363875	25.0
trans-Decalin, ...	14.543	6.1	ug/L	88548	3	13.556	363875	25.0
(DEL) Alkane: S...	14.720	13.2	ug/L	192299	3	13.556	363875	25.0
Benzene, 1-ethy...	14.787	10.3	ug/L	150375	3	13.556	363875	25.0
(DEL) Alkane: S...	14.830	6.2	ug/L	90323	3	13.556	363875	25.0
unknown-06	14.958	1.5	ug/L	22129	3	13.556	363875	25.0
Benzene, 1,3-di...	15.055	2.3	ug/L	33280	3	13.556	363875	25.0
unknown-07	15.159	4.0	ug/L	58412	3	13.556	363875	25.0
unknown-08	15.244	6.7	ug/L	97539	3	13.556	363875	25.0
Sulfurous acid,...	15.318	9.8	ug/L	142572	3	13.556	363875	25.0
(DEL) Alkane: S...	15.543	21.7	ug/L	315202	3	13.556	363875	25.0
unknown-09	15.659	5.3	ug/L	77550	3	13.556	363875	25.0
(DEL) Alkane: S...	15.726	4.0	ug/L	57815	3	13.556	363875	25.0
unknown-10	15.860	1.8	ug/L	26074	3	13.556	363875	25.0
(DEL) Alkane: S...	16.275	7.5	ug/L	109945	3	13.556	363875	25.0
(DEL) Alkane: S...	16.488	20.1	ug/L	292284	3	13.556	363875	25.0