LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

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_D\Method\SFAMDLM090123SMA.M
Title : SFAM01.0

Signal : TIC: VD077187.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.105	82	88	93	rBV	181230	238087	0.43%	0.037%
2	2.270	107	116	128	rVV3	244471	465297	0.84%	0.073%
3	2.793	198	205	212	rBV	88461	173126	0.31%	0.027%
4	2.940	222	230	239	rBV	179428	373800	0.68%	0.059%
5	3.305	282	292	304	rVB4	73677	198514	0.36%	0.031%
6	3.911	384	395	406	rBV4	75447	201593	0.37%	0.032%
7	5.328	622	636	652	rBV4	75656	272316	0.49%	0.043%
8	5.834	710	722	737	rBV	104507	312765	0.57%	0.049%
9	7.563	1004	1016	1024	rBV	156156	457071	0.83%	0.072%
10	7.875	1058	1069	1076	rBV6	160976	517777	0.94%	0.081%
11	8.087	1095	1105	1112	rBV2	108093	251486	0.46%	0.040%
12	8.199	1114	1124	1140	rVV2	248139	784695	1.42%	0.123%
13	8.534	1173	1181	1188	rVB6	66948	222888	0.40%	0.035%
14	8.775	1211	1222	1234	rBV	425067	947747	1.72%	0.149%
15	9.022	1256	1264	1279	rVB4	84047	259684	0.47%	0.041%
16	9.210	1288	1296	1301	rBV	183587	439204	0.80%	0.069%
17	9.269	1301	1306	1314	rVB	302622	625495	1.13%	0.098%
18	9.457	1327	1338	1345	rBV2	95258	199336	0.36%	0.031%
19	10.046	1431	1438	1450	rVB4	107877	291403	0.53%	0.046%
20	10.269	1465	1476	1481	rBV	727812	1473526	2.67%	0.232%
21	10.457	1500	1508	1514	rVB5	206027	505096	0.92%	0.079%
22	10.610	1529	1534	1542	rVB2	304879	550247	1.00%	0.087%
23	10.698	1542	1549	1557	rBV3	291616	685447	1.24%	0.108%
24	10.798	1561	1566	1571	rVB5	110750	201273	0.36%	0.032%
25	10.887	1571	1581	1587	rBV2	464202	953065	1.73%	0.150%
26	10.993	1587	1599	1605	rBV4	192748	613909	1.11%	0.097%
27	11.057	1605	1610	1614	rBV2	453725	819337	1.49%	0.129%
28	11.128	1617	1622	1626	rVV	1652696	2683817	4.87%	0.422%
29	11.181	1626	1631	1637	rVB	924677	1622821	2.94%	0.255%
30	11.234	1637	1640	1644	rBV3	137580	180086	0.33%	0.028%
31	11.293	1644	1650	1654	rBV2	658584	1113105	2.02%	0.175%
32	11.363	1654	1662	1674	rVB2	1410437	4620389	8.38%	0.727%
33	11.469	1674	1680	1693	rBV	1648807	3056612	5.54%	0.481%
34	11.581	1693	1699	1703	rBV	481650	842712	1.53%	0.133%
35	11.681	1709	1716	1719	rBV2	631712	1128237	2.05%	0.177%
36	11.716	1719	1722	1725	rVV	553359	887035	1.61%	0.139%

LSC Area Percent Report

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Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

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_D\Method\SFAMDLM090123SMA.M
Title : SFAM01.0

37	11.757	1725	1729	1736	rVV4	2282080	5220596	9.47%	0.821%
38	11.828	1736	1741	1745	rVV	4670341	8407959	15.25%	1.322%
39	11.869	1745	1748	1754	rVB	3001452	4853627	8.80%	0.763%
40	11.934	1754	1759	1762	rBV	473377	853884	1.55%	0.134%
41	12.022	1769	1774	1779	rVB3	845564	1459651	2.65%	0.230%
42	12.098	1779	1787	1793	rBV	6212887	12815387	23.24%	2.015%
43	12.151	1793	1796	1798	rBV2	297295	261577	0.47%	0.041%
44	12.216	1798	1807	1811	rBV	4292192	6281439	11.39%	0.988%
45	12.257	1811	1814	1816	rBV	1074818	1460999	2.65%	0.230%
46	12.334	1821	1827	1837	rVV3	20965789	48085110	87.19%	7.562%
47	12.422	1837	1842	1843	rVV2	1963039	3139574	5.69%	0.494%
48	12.469	1843	1850	1853	rVV6	5224700	13375349	24.25%	2.103%
49	12.504	1853	1856	1865	rVB	8741362	16932000	30.70%	2.663%
50	12.587	1865	1870	1872	rBV3	1380475	2264410	4.11%	0.356%
51	12.616	1872	1875	1879	rVB	2524771	2915371	5.29%	0.458%
52	12.657	1879	1882	1886	rBV3	685793	1077692	1.95%	0.169%
53	12.704	1887	1890	1892	rBV2	413464	559253	1.01%	0.088%
54	12.740	1892	1896	1904	rVB3	4417834	10449045	18.95%	1.643%
55	12.822	1904	1910	1914	rBV4	2351460	4898020	8.88%	0.770%
56	12.892	1914	1922	1929	rBV4	15169279	39109887	70.92%	6.150%
57	12.951	1929	1932	1938	rVB	6861294	10395513	18.85%	1.635%
58	13.045	1938	1948	1950	rBV	4257714	7903473	14.33%	1.243%
59	13.081	1950	1954	1959	rVV	5908258	10517518	19.07%	1.654%
60	13.134	1959	1963	1970	rVB	14385988	20819904	37.75%	3.274%
61	13.210	1970	1976	1981	rBV	7991745	14574877	26.43%	2.292%
62	13.257	1981	1984	1990	rVV4	2695135	4632892	8.40%	0.729%
63	13.340	1990	1998	2002	rVV5	4834032	10367206	18.80%	1.630%
64	13.416	2002	2011	2015	rVV2	25360968	48064686	87.16%	7.558%
65	13.451	2015	2017	2020	rVV	7575854	9858369	17.88%	1.550%
66	13.487	2020	2023	2027	rVB	8070121	10469109	18.98%	1.646%
67	13.557	2032	2035	2038	rBV2	928775	975124	1.77%	0.153%
68	13.592	2038	2041	2047	rVB3	2816703	3720261	6.75%	0.585%
69	13.681	2048	2056	2065	rVB5	2576123	8167416	14.81%	1.284%
70	13.763	2065	2070	2071	rBV2	3729353	4862790	8.82%	0.765%
71	13.787	2072	2074	2078	rVB	3522788	4089547	7.42%	0.643%
72	13.845	2078	2084	2088	rBV2	26491065	46994884	85.22%	7.390%
73	13.887	2088	2091	2094	rVV	6364978	8441698	15.31%	1.327%
74	13.916	2094	2096	2099	rVB	3739784	3821536	6.93%	0.601%
75	13.975	2104	2106	2108	rVV	3496789	4373006	7.93%	0.688%
76	14.028	2109	2115	2118	rVV2	8787660	19533479	35.42%	3.072%

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Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

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_D\Method\SFAMDLM090123SMA.M
Title : SFAM01.0

77	14.063	2118	2121	2126	rVB	9322191	13138880	23.82%	2.066%
78	14.169	2134	2139	2145	rVB2	7418956	11721584	21.25%	1.843%
79	14.234	2145	2150	2156	rVV6	2940856	7693694	13.95%	1.210%
80	14.357	2156	2171	2177	rVV5	17890163	55147711	100.00%	8.672%
81	14.428	2179	2183	2187	rVV	6583236	10342719	18.75%	1.626%
82	14.469	2187	2190	2194	rVB2	3713585	4563495	8.28%	0.718%
83	14.516	2194	2198	2204	rVB3	2830320	4253188	7.71%	0.669%
84	14.604	2204	2213	2218	rBV3	2945174	6585053	11.94%	1.036%
85	14.704	2226	2230	2233	rBV2	2883800	3499182	6.35%	0.550%
86	14.775	2236	2242	2247	rBV6	4060653	10364912	18.79%	1.630%
87	14.922	2258	2267	2275	rVB2	12217849	23403420	42.44%	3.680%
88	15.034	2282	2286	2290	rVB2	1384189	1921629	3.48%	0.302%
89	15.139	2299	2304	2309	rVB4	1187215	2335869	4.24%	0.367%
90	15.234	2317	2320	2326	rVB3	1580727	2657292	4.82%	0.418%
91	15.304	2326	2332	2334	rBV3	1118046	1969614	3.57%	0.310%
92	15.386	2341	2346	2351	rBV	1252958	2041824	3.70%	0.321%
93	15.557	2368	2375	2379	rVB8	304904	782981	1.42%	0.123%
94	15.604	2379	2383	2386	rBV5	234901	415821	0.75%	0.065%
95	15.704	2395	2400	2406	rVB4	400044	767707	1.39%	0.121%
96	15.786	2406	2414	2416	rVV7	210880	495635	0.90%	0.078%
97	15.828	2416	2421	2430	rVB	1229053	2336429	4.24%	0.367%
98	16.145	2466	2475	2481	rBV	623143	1409116	2.56%	0.222%
99	16.398	2513	2518	2533	rVB2	191831	491127	0.89%	0.077%
100	16.598	2545	2552	2566	rVB	556860	1402380	2.54%	0.221%

Sum of corrected areas: 635914378

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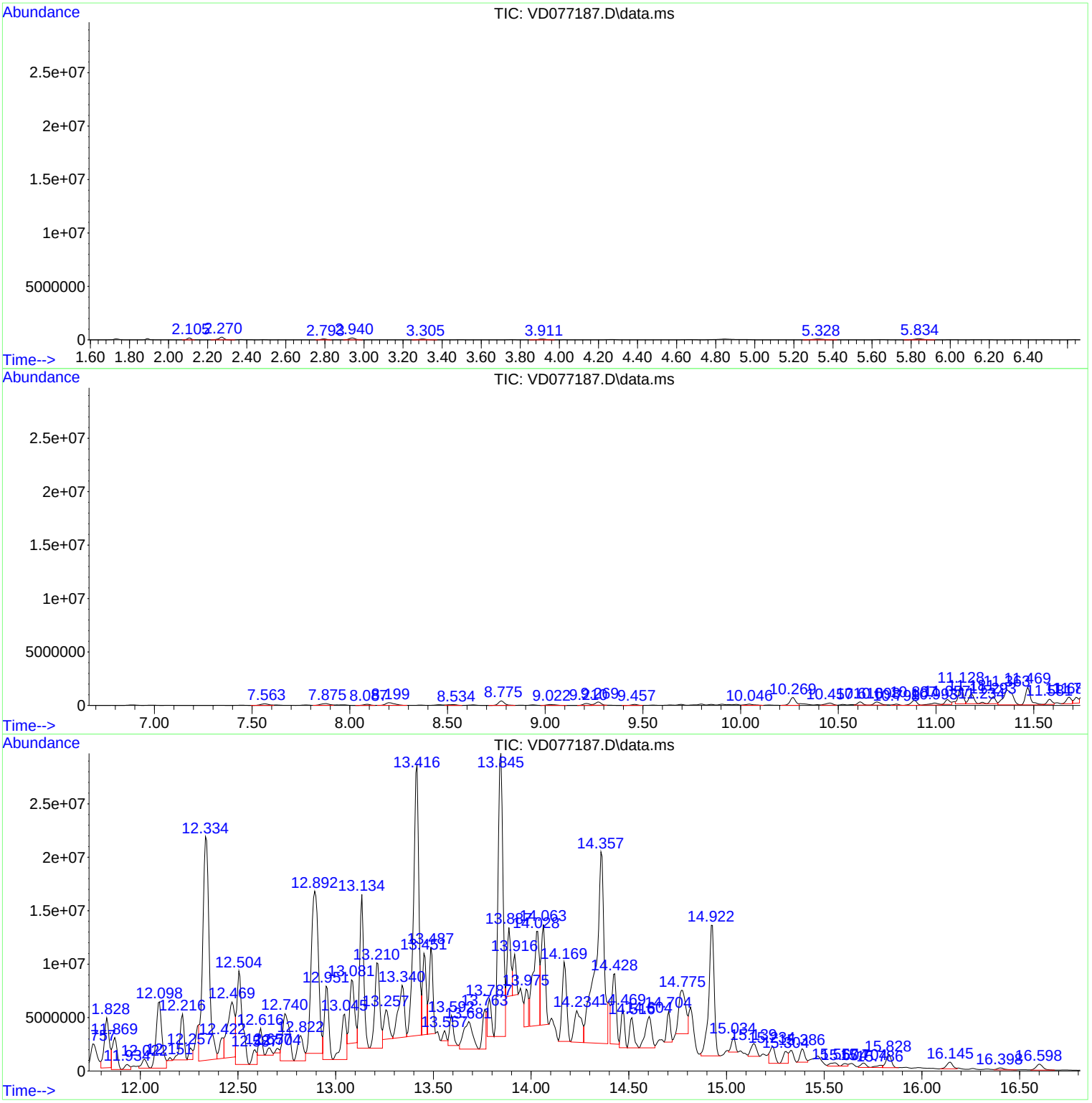
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
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Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

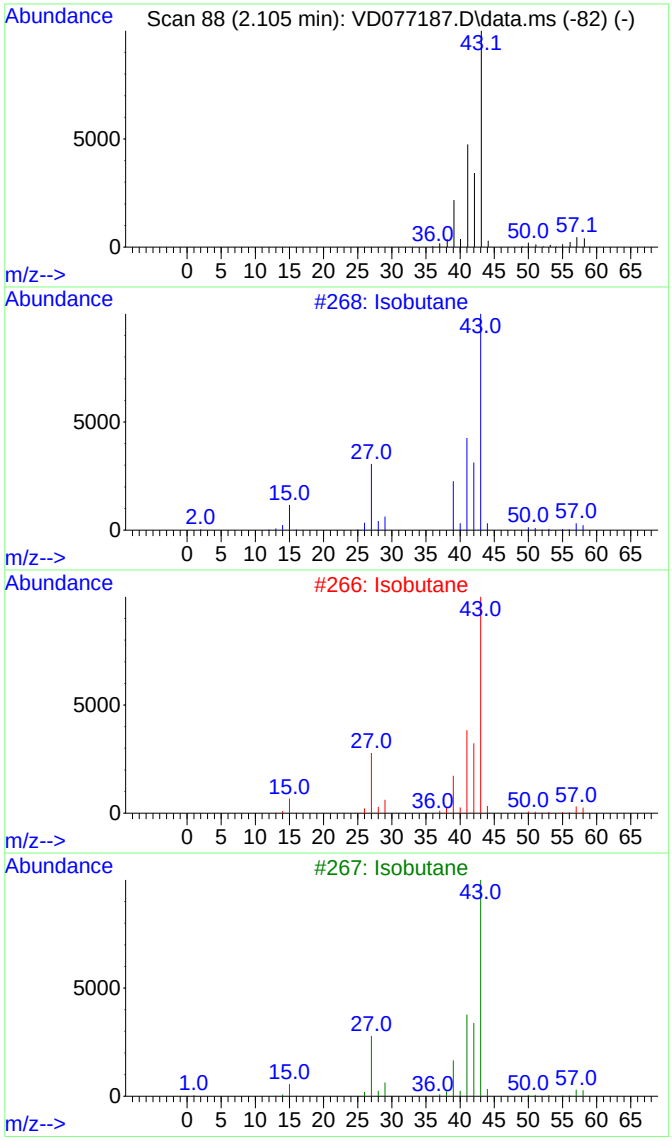
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

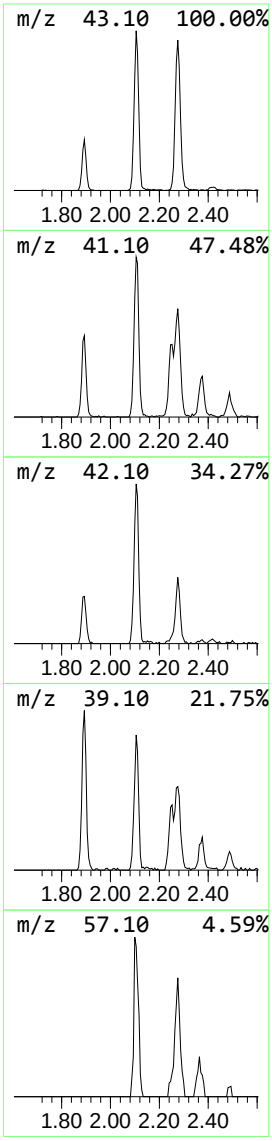
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.105	6.28 ug/L	238087	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	64
5	Isobutane	58	C4H10	000075-28-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

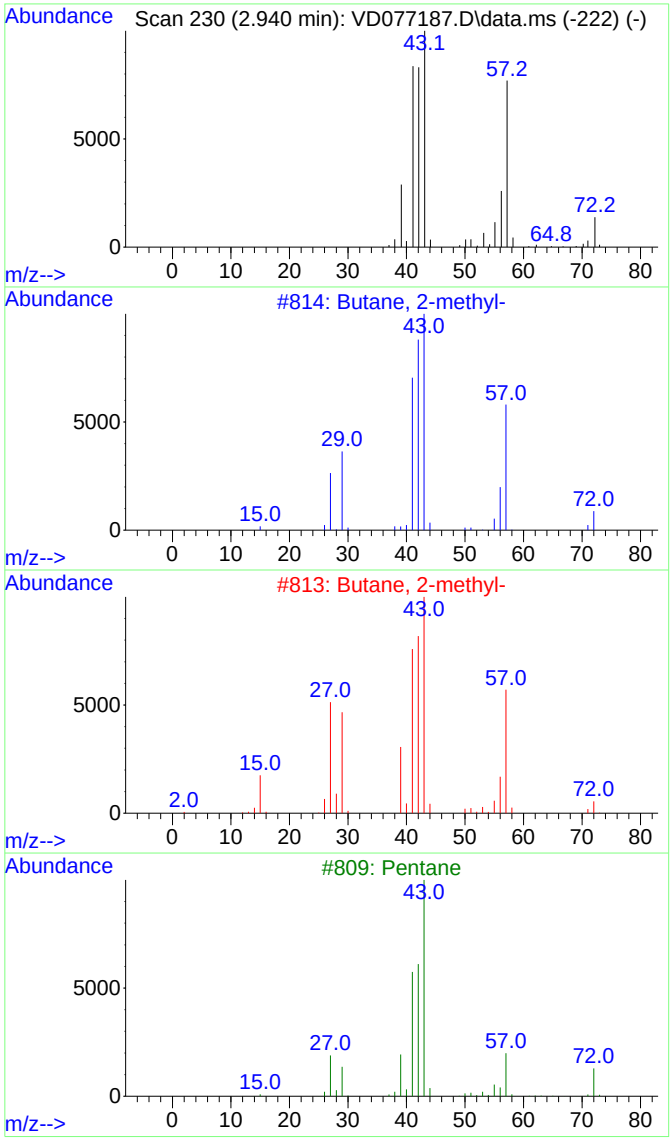
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

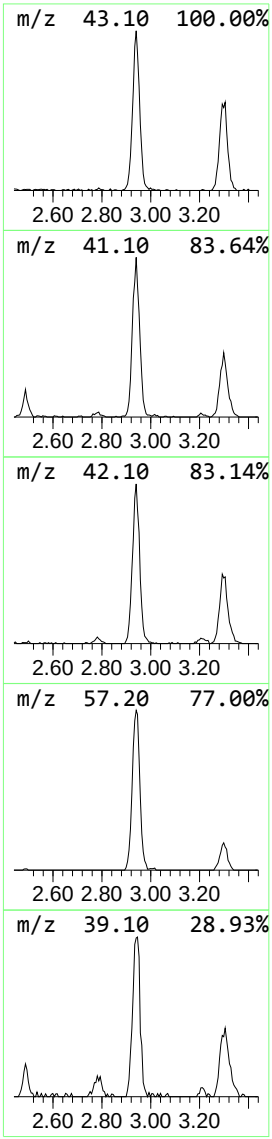
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.940	9.86 ug/L	373800	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Pentane	72	C5H12	000109-66-0	59
4	Pentane	72	C5H12	000109-66-0	42
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

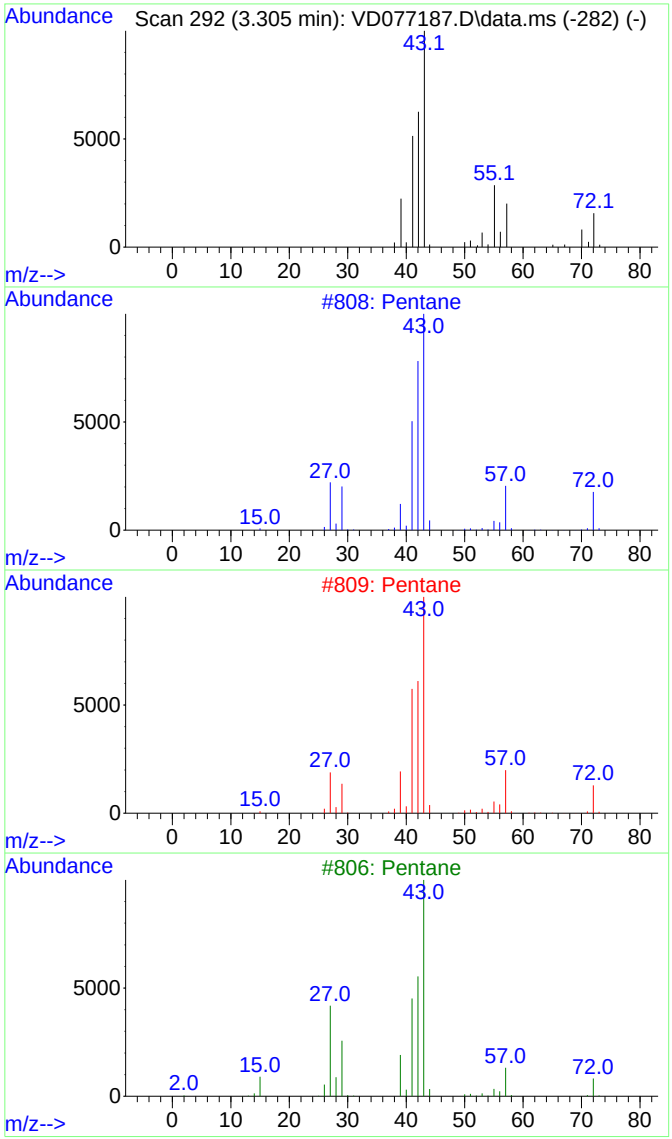
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

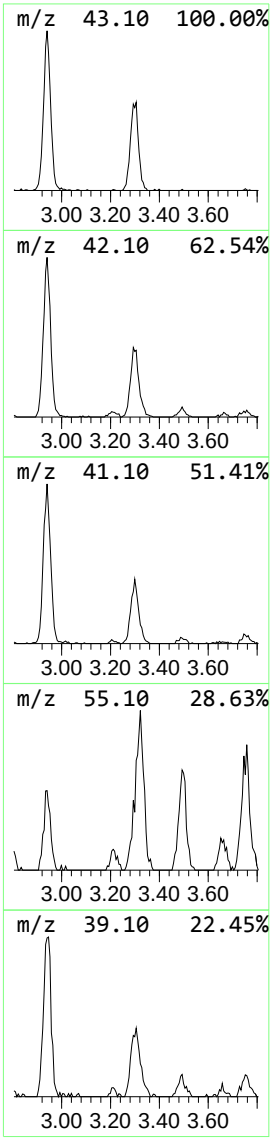
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.305	5.24 ug/L	198514	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	78
4	Pentane	72	C5H12	000109-66-0	78
5	Pentane	72	C5H12	000109-66-0	72





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
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Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

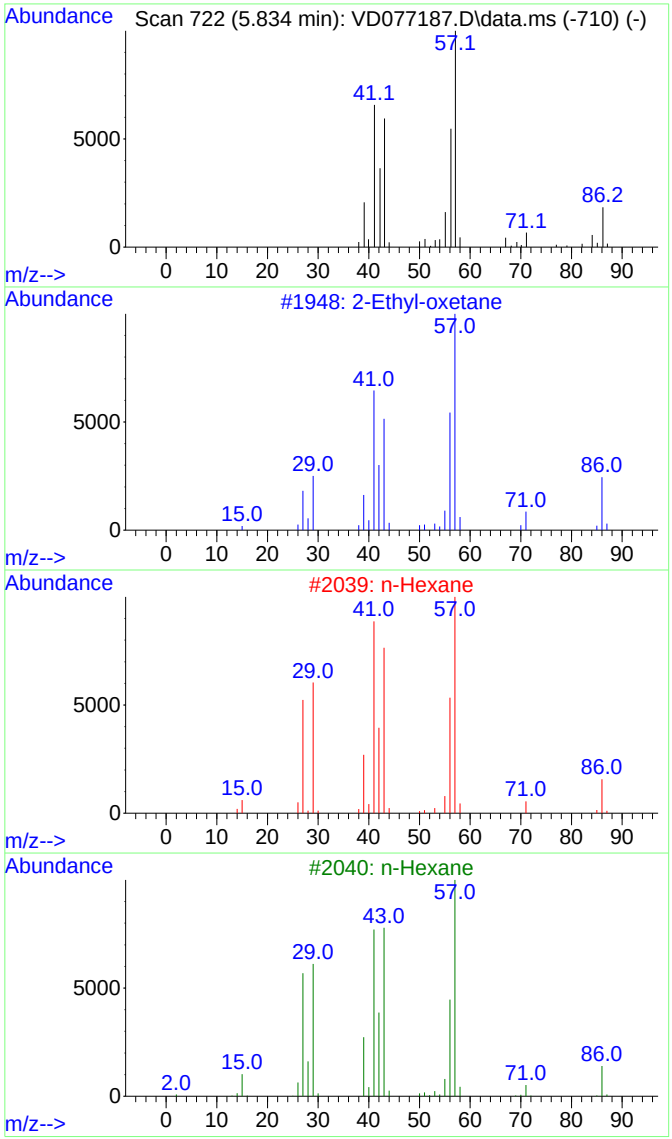
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

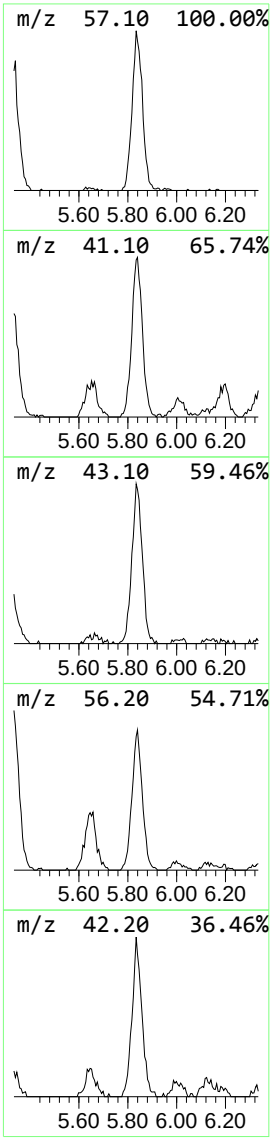
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Ethyl-oxetane Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.834	8.25 ug/L	312765	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	86
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	80
4	n-Hexane	86	C6H14	000110-54-3	80
5	n-Hexane	86	C6H14	000110-54-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

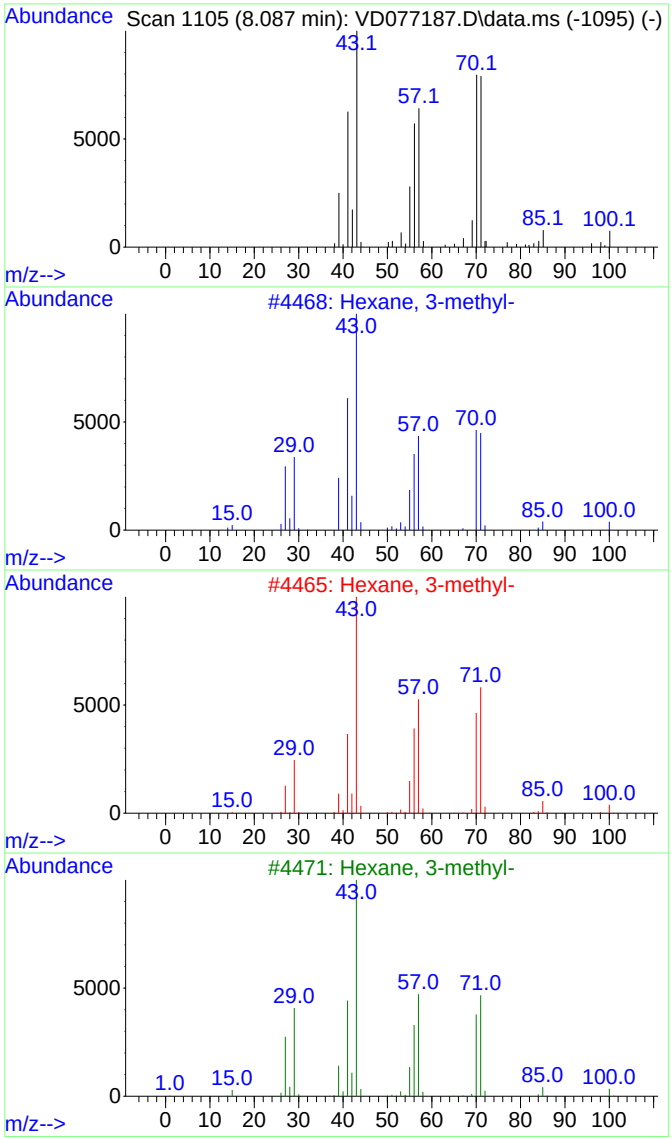
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

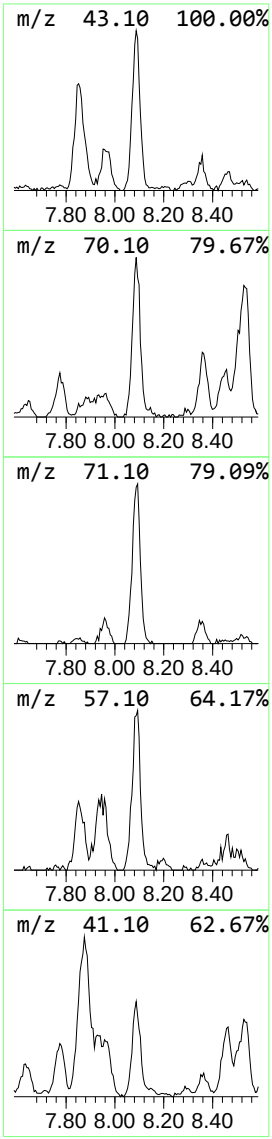
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.087	6.63 ug/L	251486	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

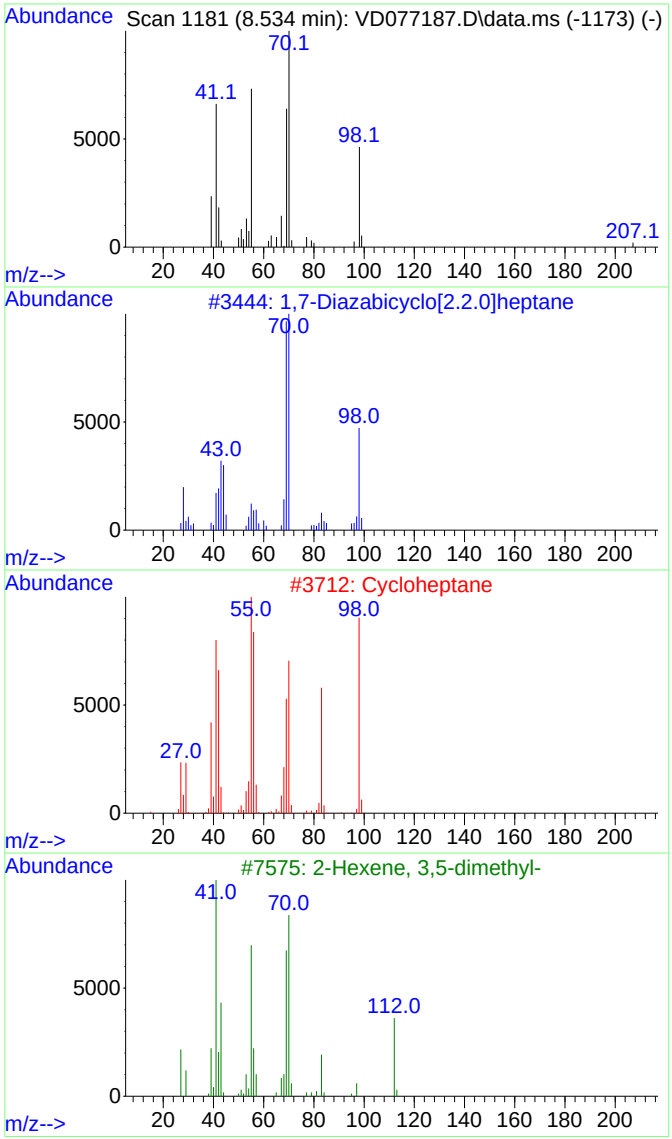
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

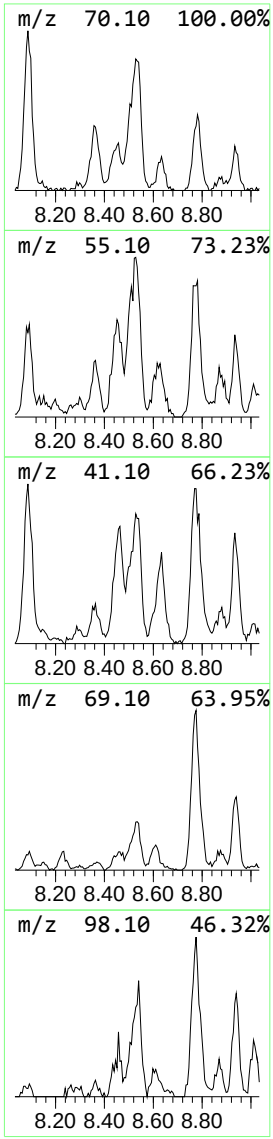
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,7-Diazabicyclo[2.2.0]heptane Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.534	5.88 ug/L	222888	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Diazabicyclo[2.2.0]heptane	98	C5H10N2	000279-42-5	59
2	Cycloheptane	98	C7H14	000291-64-5	52
3	2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	50
4	(Z)-3-Heptene	98	C7H14	007642-10-6	49
5	3-Heptene, (E)-	98	C7H14	014686-14-7	49





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

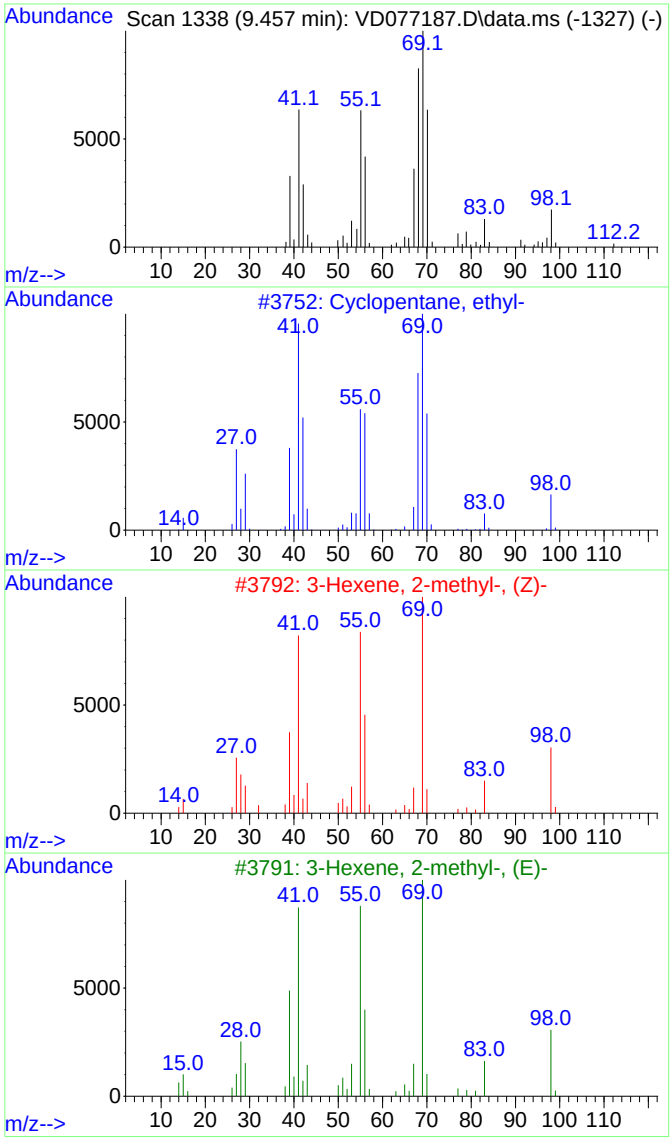
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

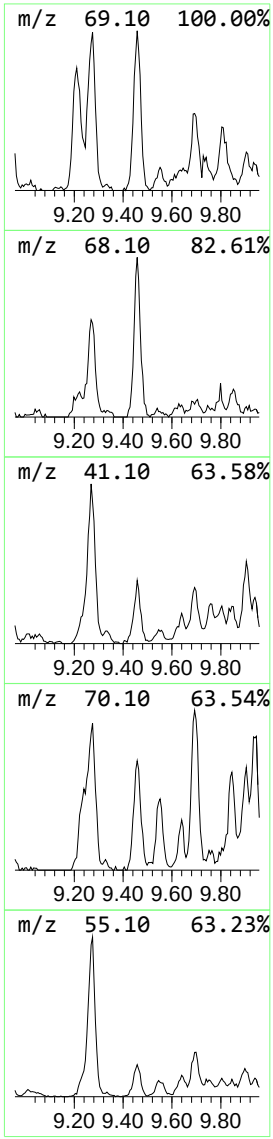
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.457 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	5.26 ug/L	199336	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	43
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	43
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

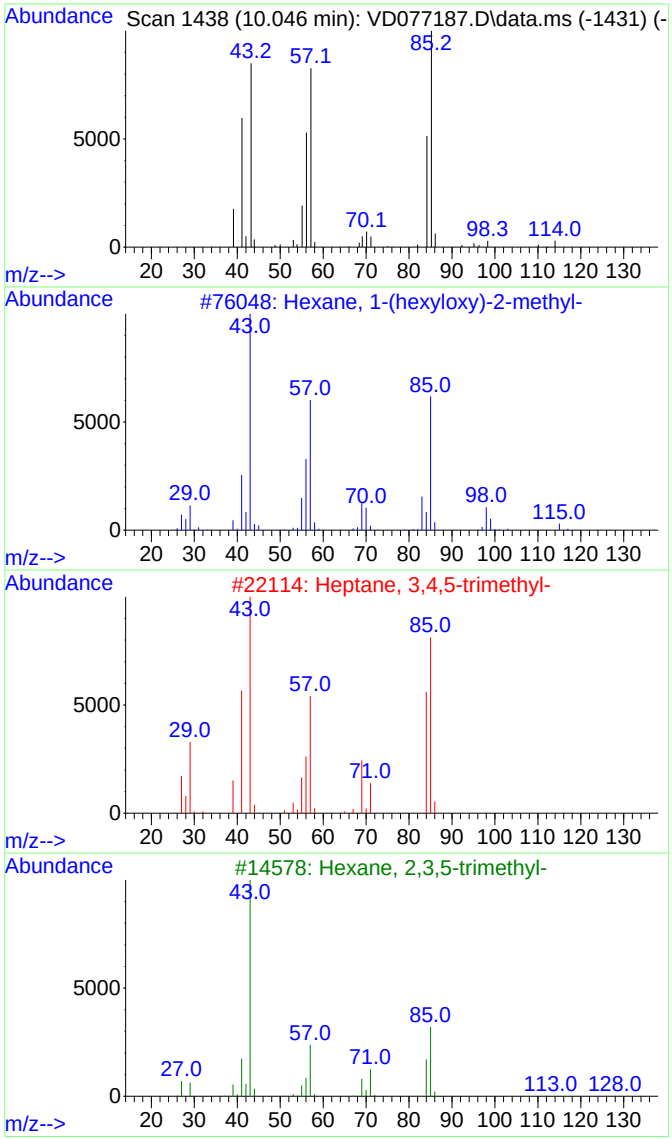
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

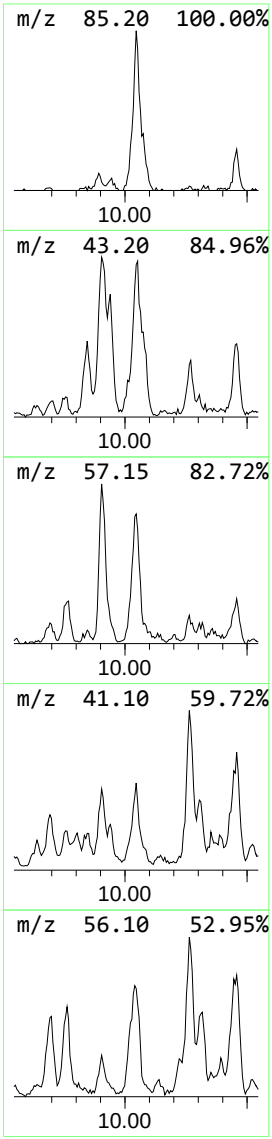
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.046	7.69 ug/L	291403	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	50





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

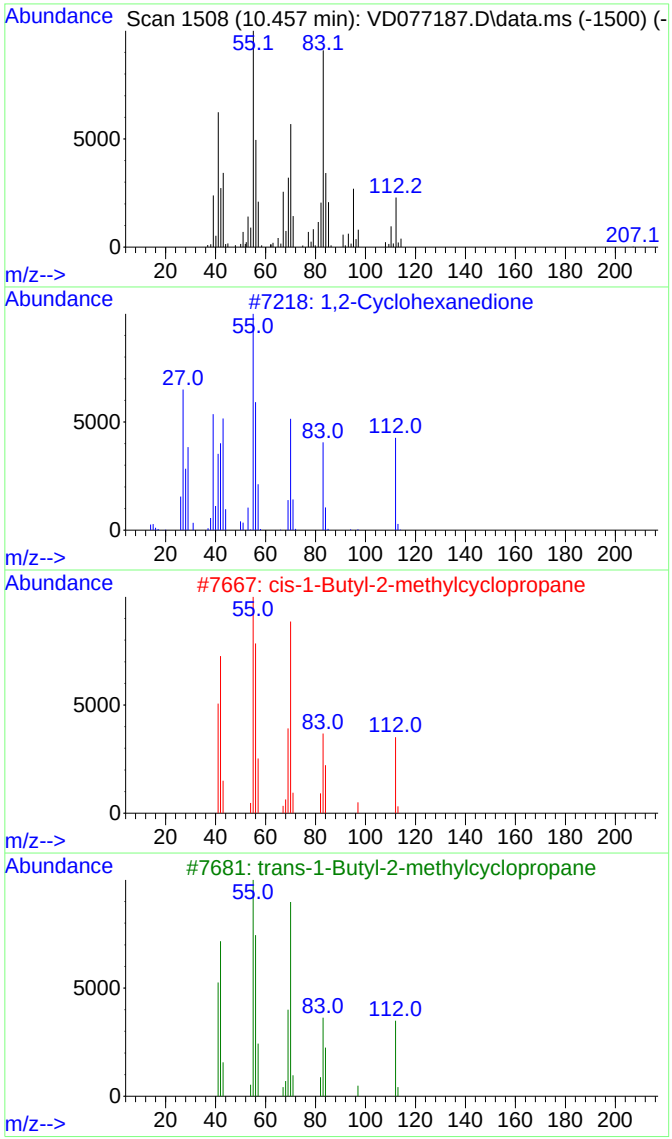
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

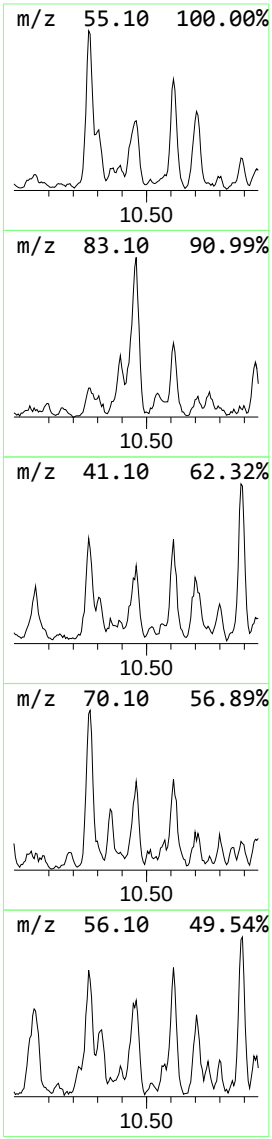
****

Peak Number 9 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	14.98 ug/L	505096	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	43
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	43
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	42
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	38





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

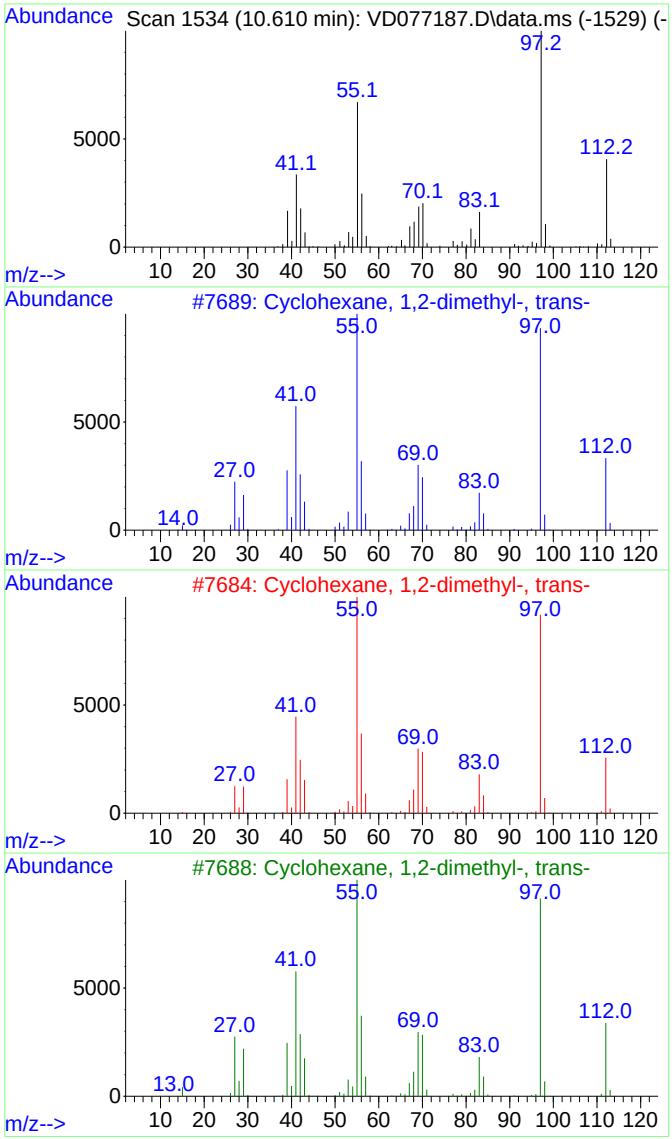
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

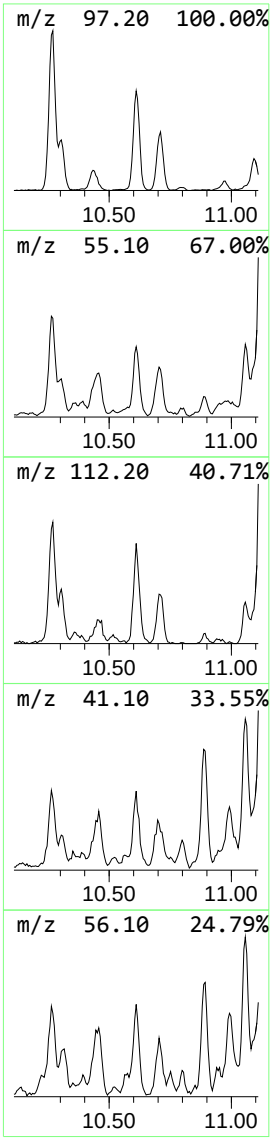
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.610 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	16.32 ug/L	550247	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

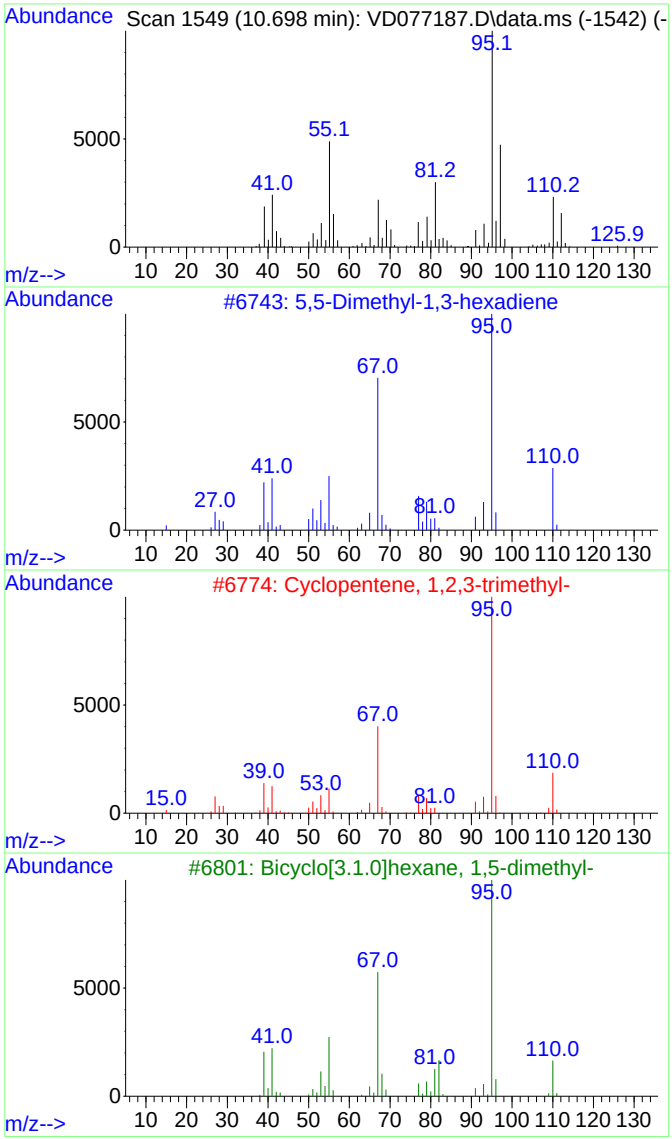
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

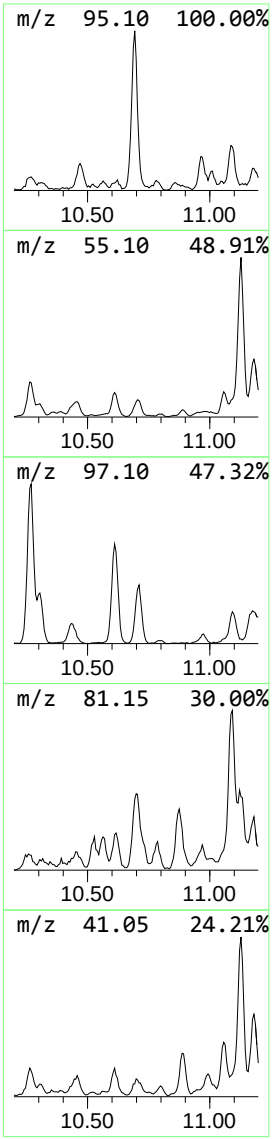
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,5-Dimethyl-1,3-hexadiene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.698	20.33 ug/L	685447	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	76
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	58
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	58
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	53
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	52





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

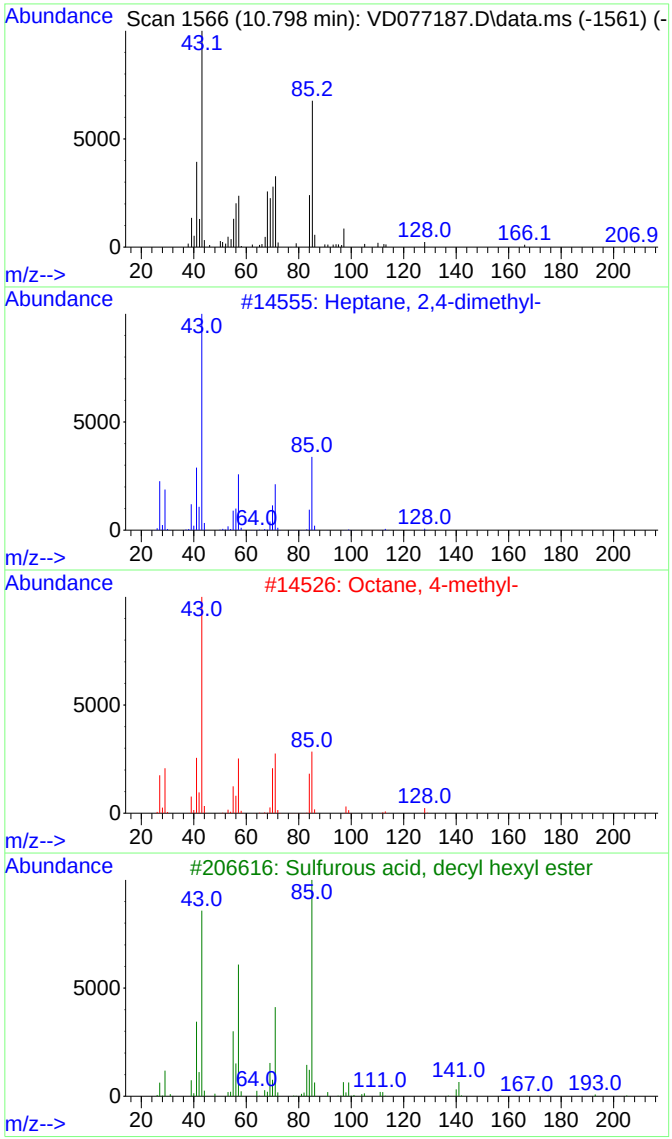
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

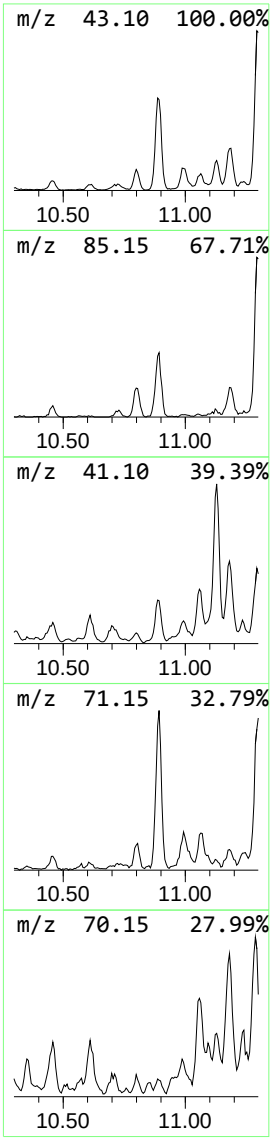
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.799	5.97 ug/L	201273	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	52
3	Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	49
5	Octane, 4-methyl-	128	C9H20	002216-34-4	47





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

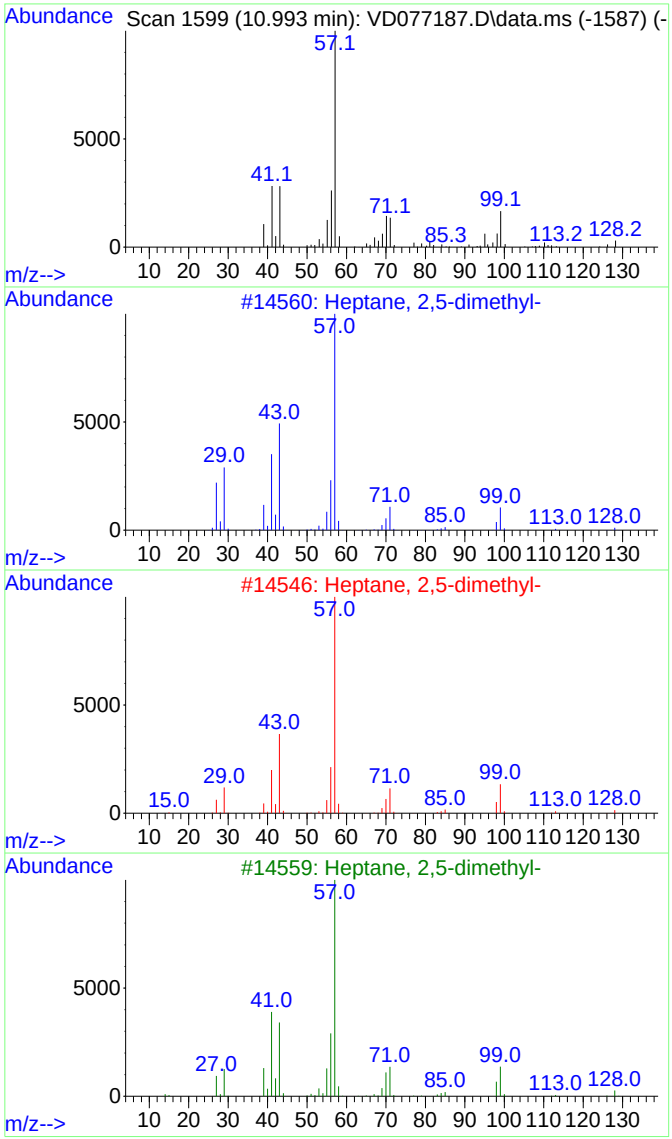
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

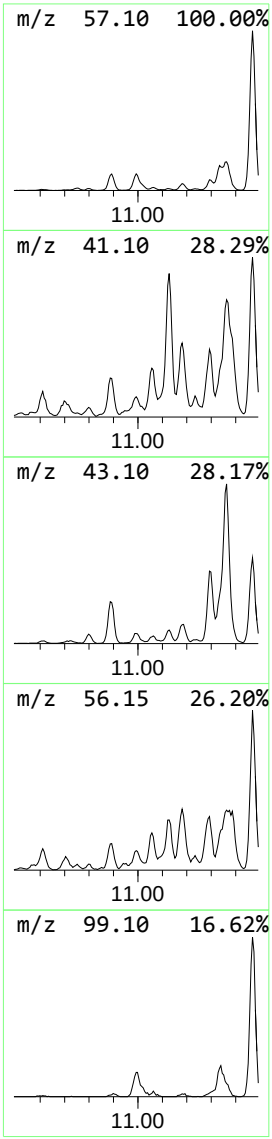
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.993	18.21 ug/L	613909	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

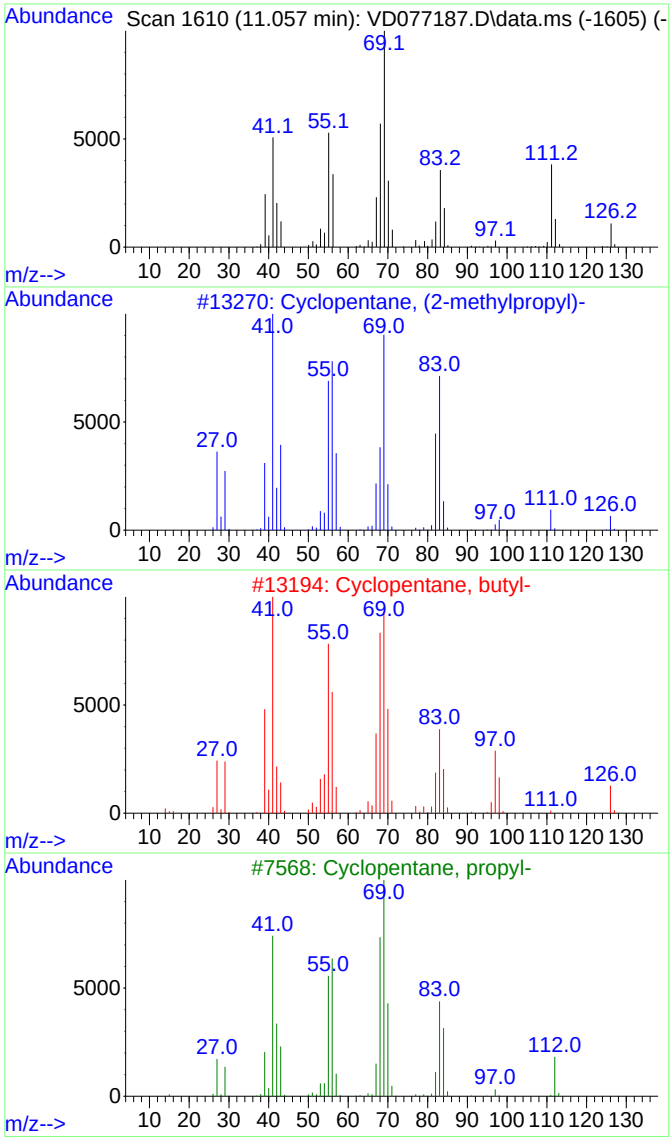
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

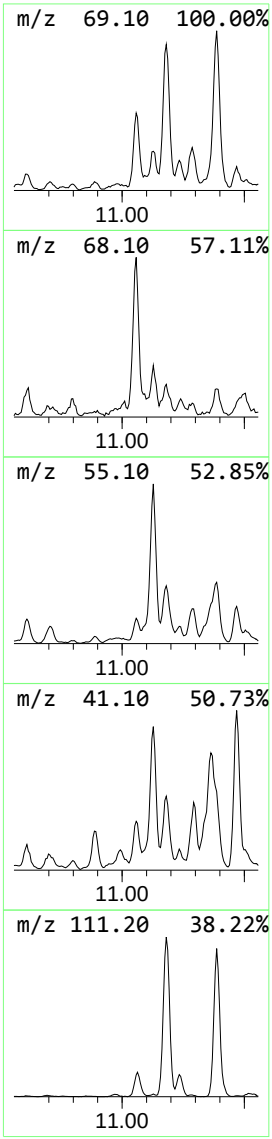
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic11.057 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	24.31 ug/L	819337	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	58
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	55
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	50
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	50
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	50





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

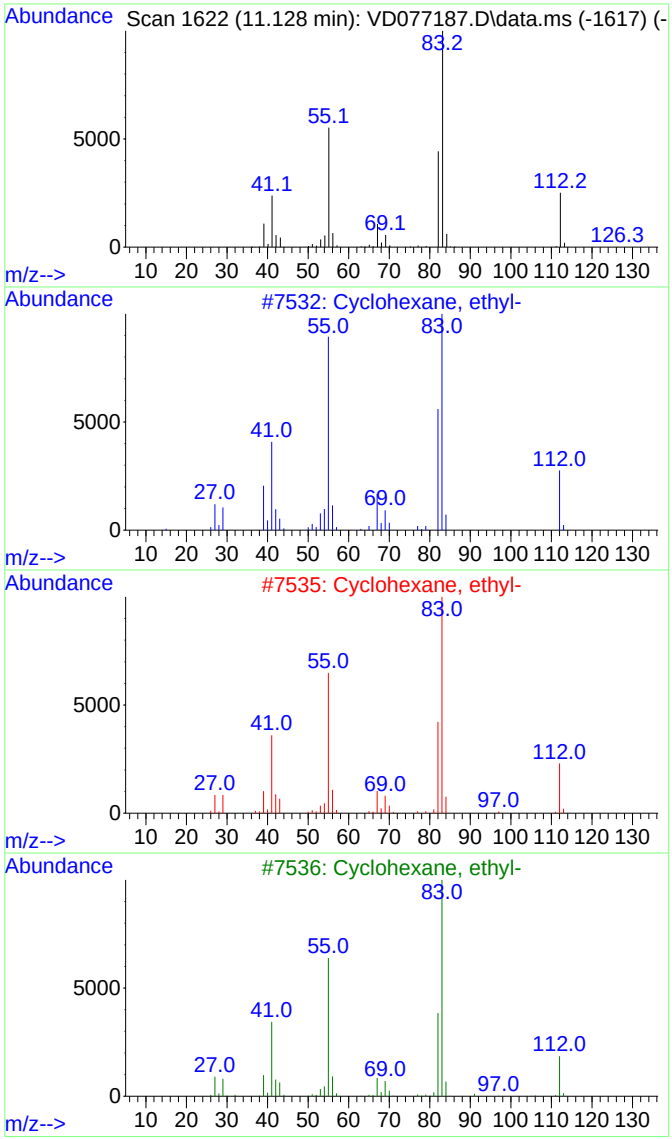
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

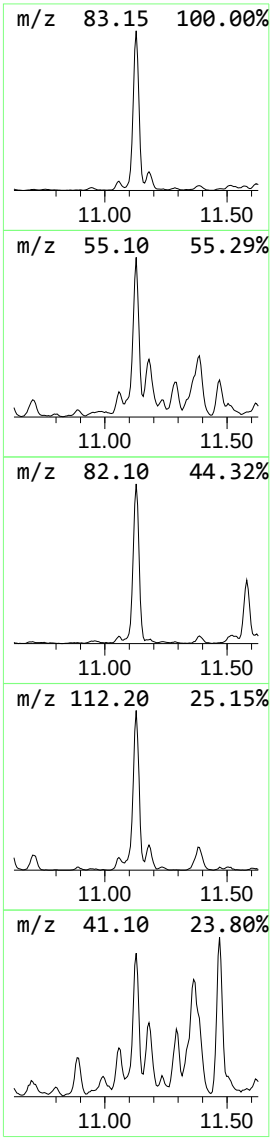
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.128 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.128	79.62 ug/L	2683820	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

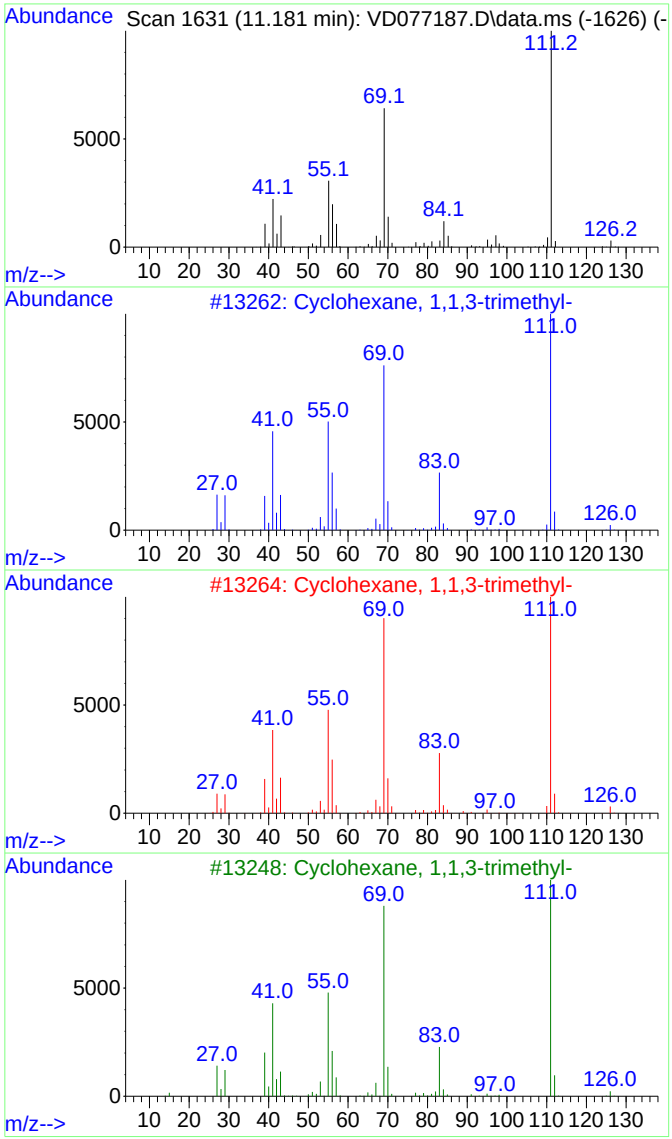
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

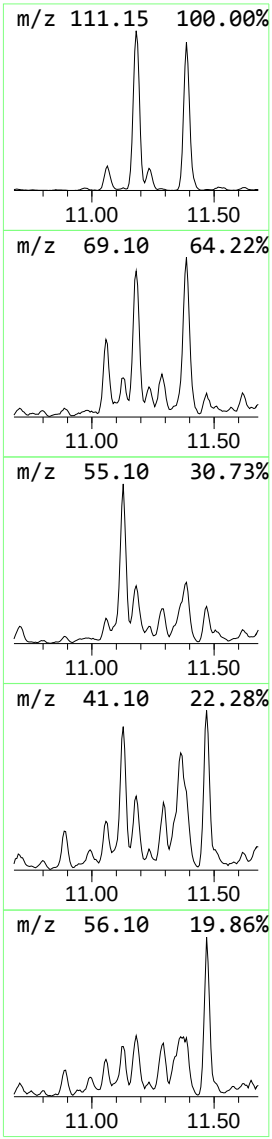
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.181 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	48.14 ug/L	1622820	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
5	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	42





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

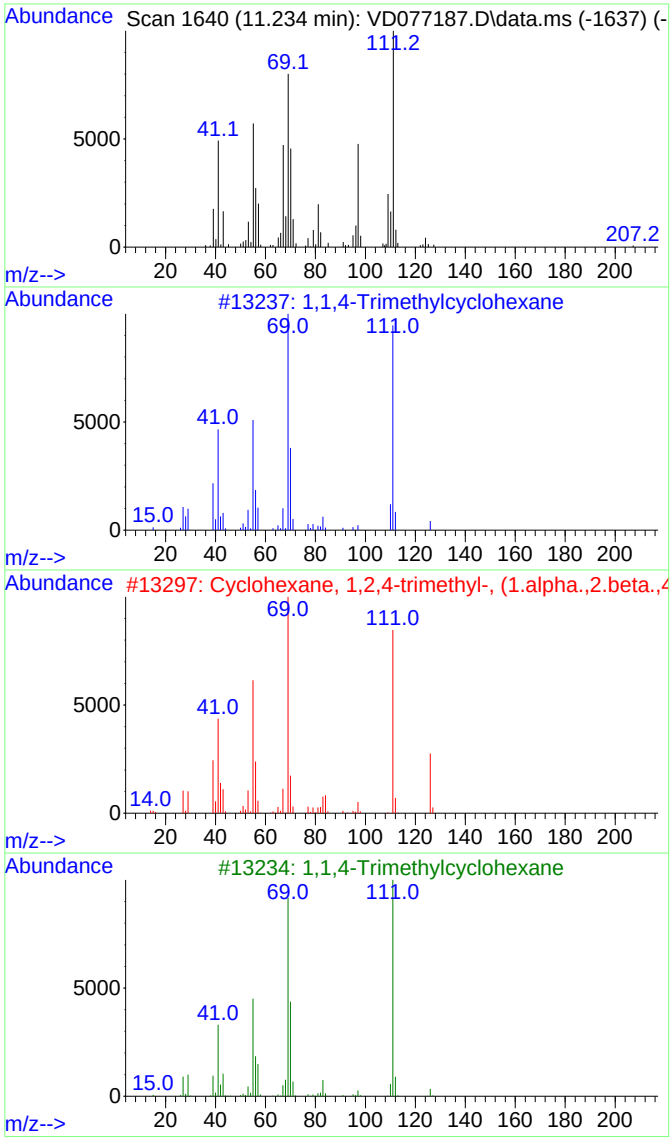
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

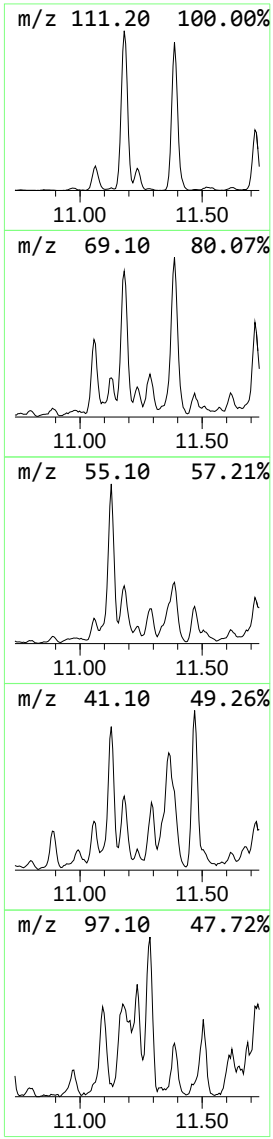
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.234 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.234	5.34 ug/L	180086	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	47
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	43
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	43





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

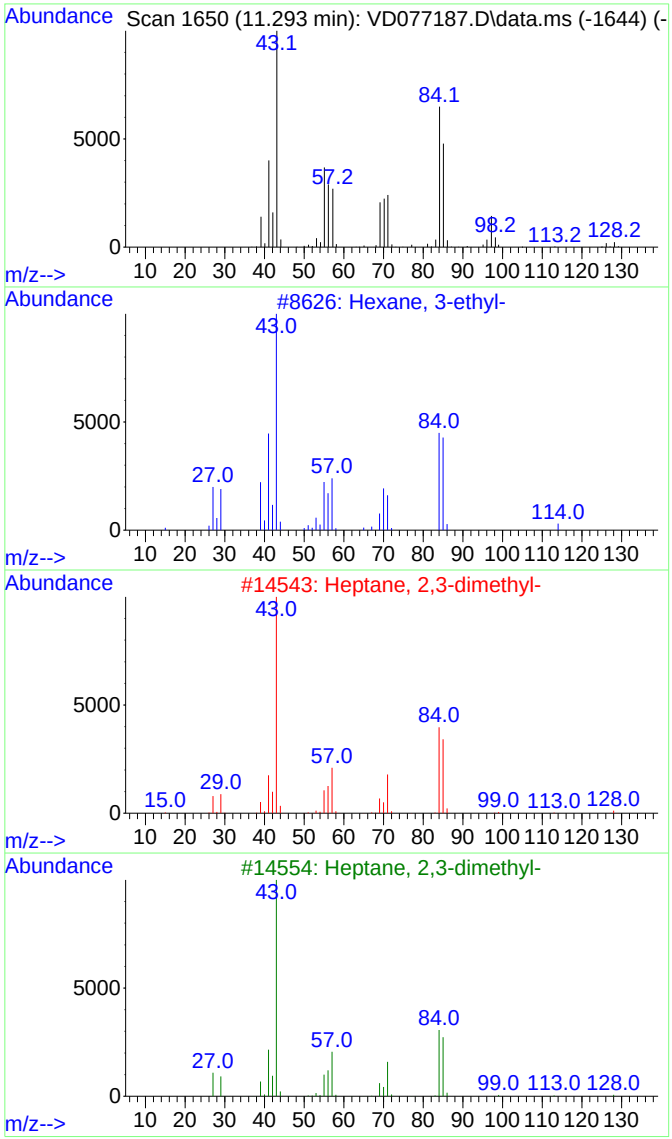
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

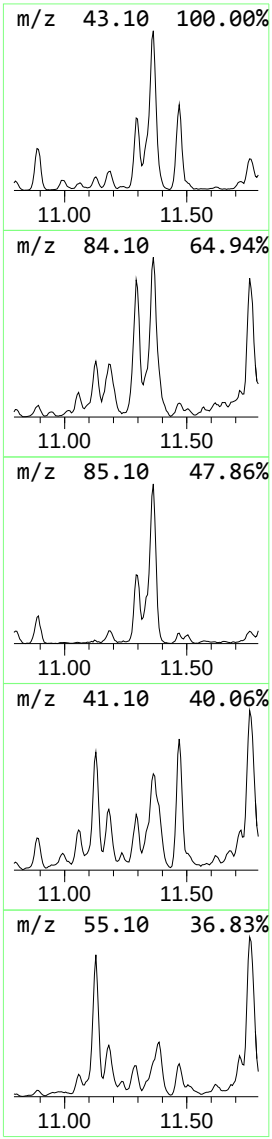
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.293	33.02 ug/L	1113110	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

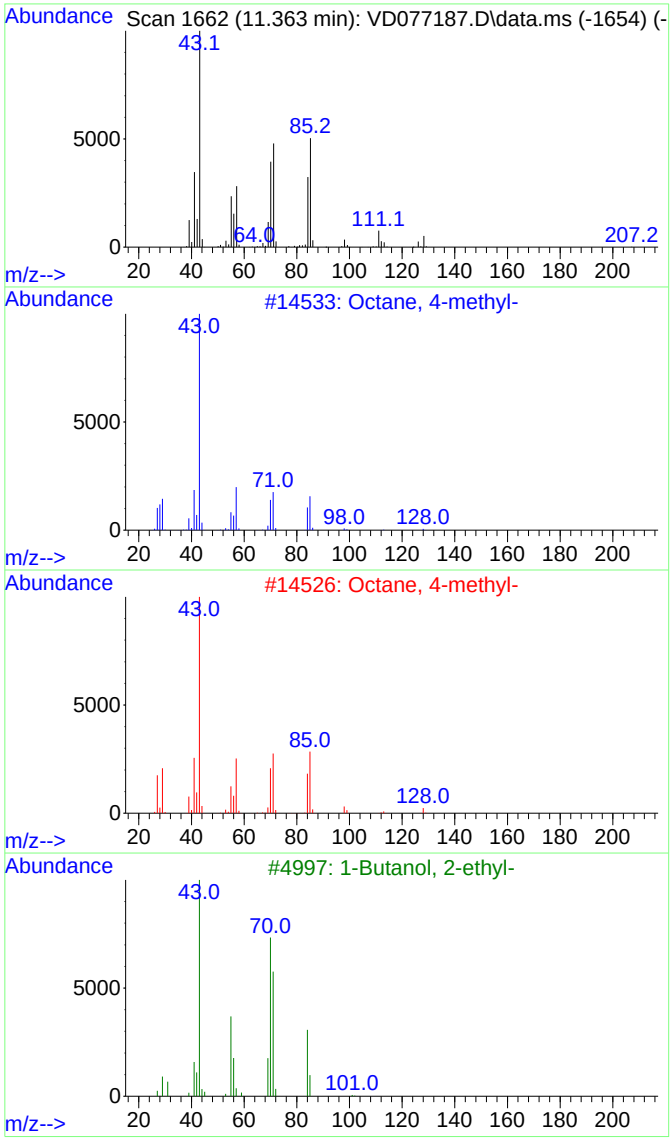
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

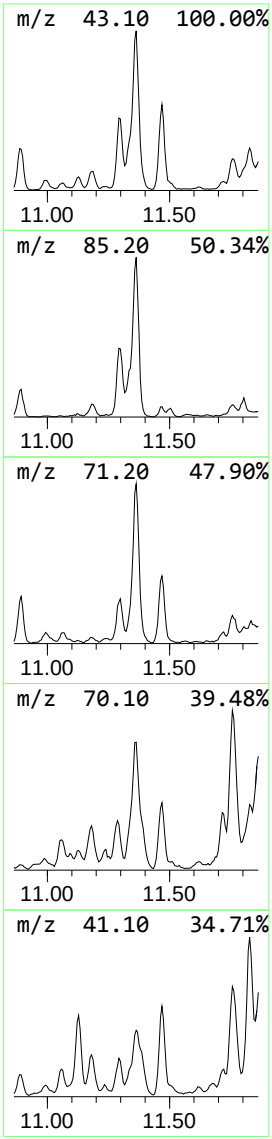
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.363	137.07 ug/L	4620390	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	78
2	Octane, 4-methyl-	128	C9H20	002216-34-4	74
3	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	53
5	Dodecane, 5-methyl-	184	C13H28	017453-93-9	50





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

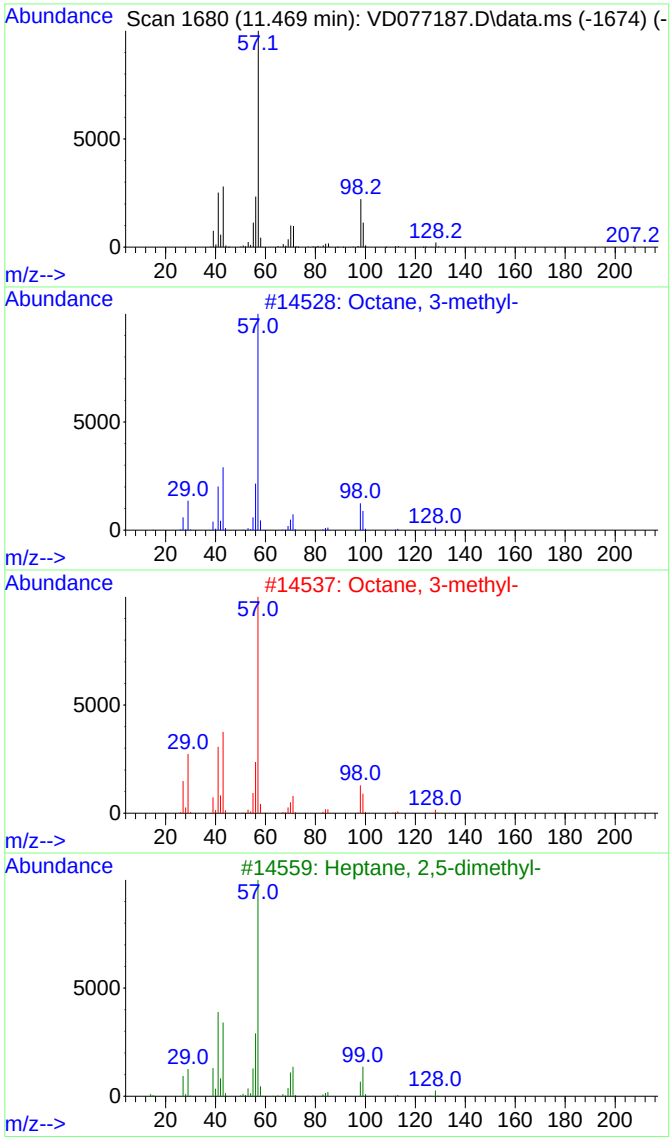
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

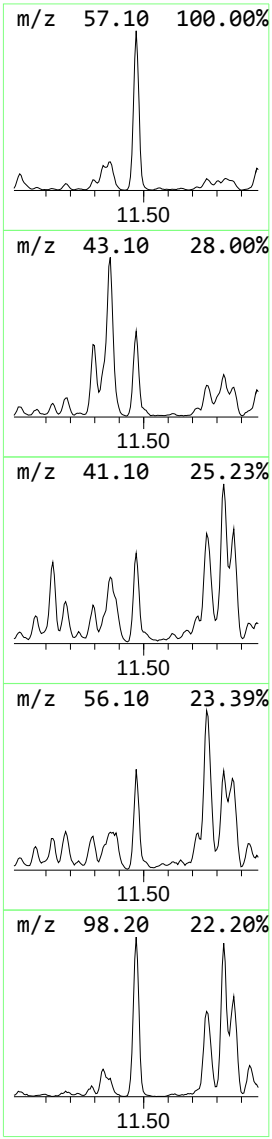
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.469	90.68 ug/L	3056610	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	83
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
4	Octane, 3-methyl-	128	C9H20	002216-33-3	72
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

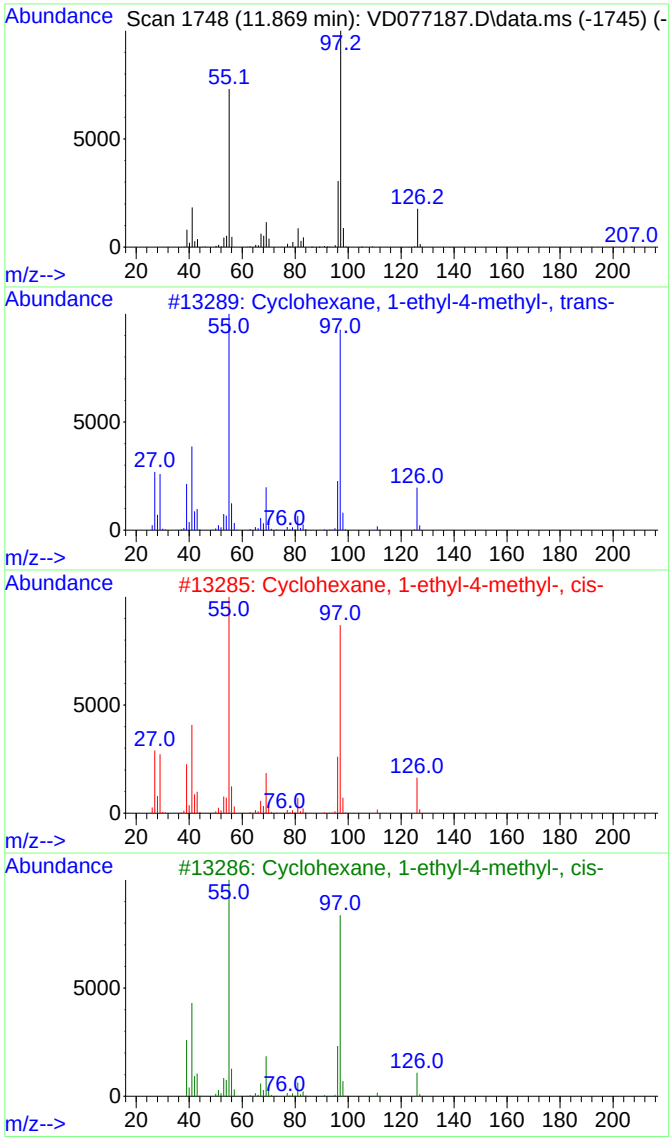
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

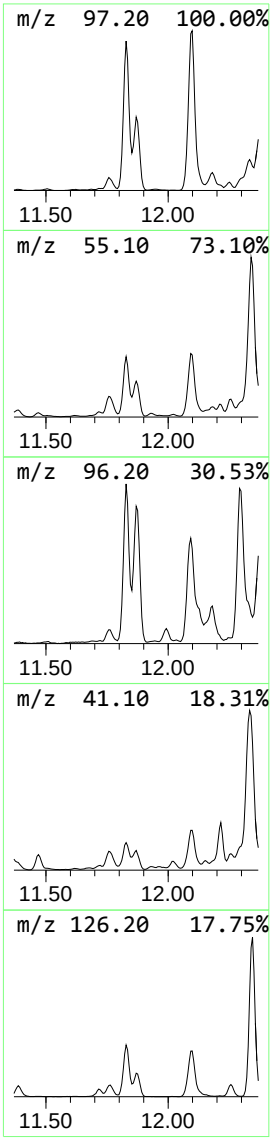
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.869 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	143.99 ug/L	4853630	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

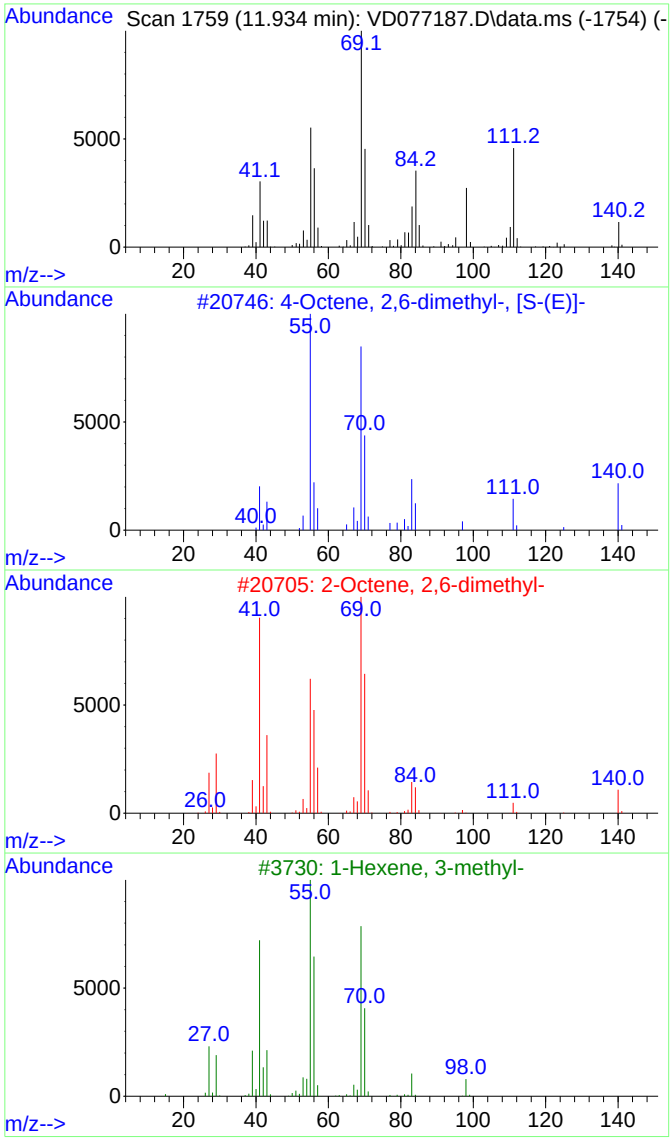
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

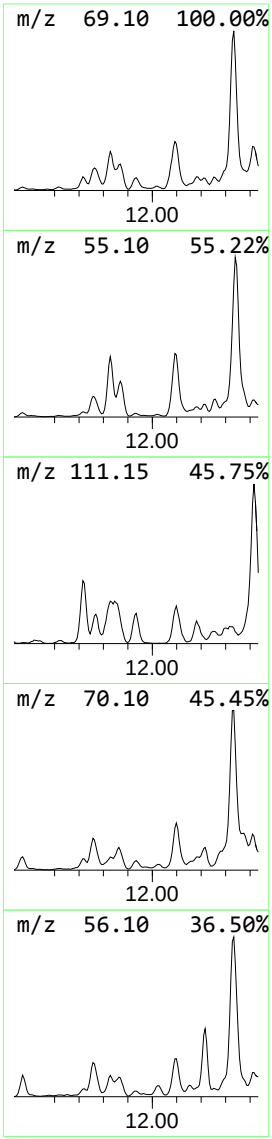
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.934	25.33 ug/L	853884	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	52
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	47
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	45
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	43





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

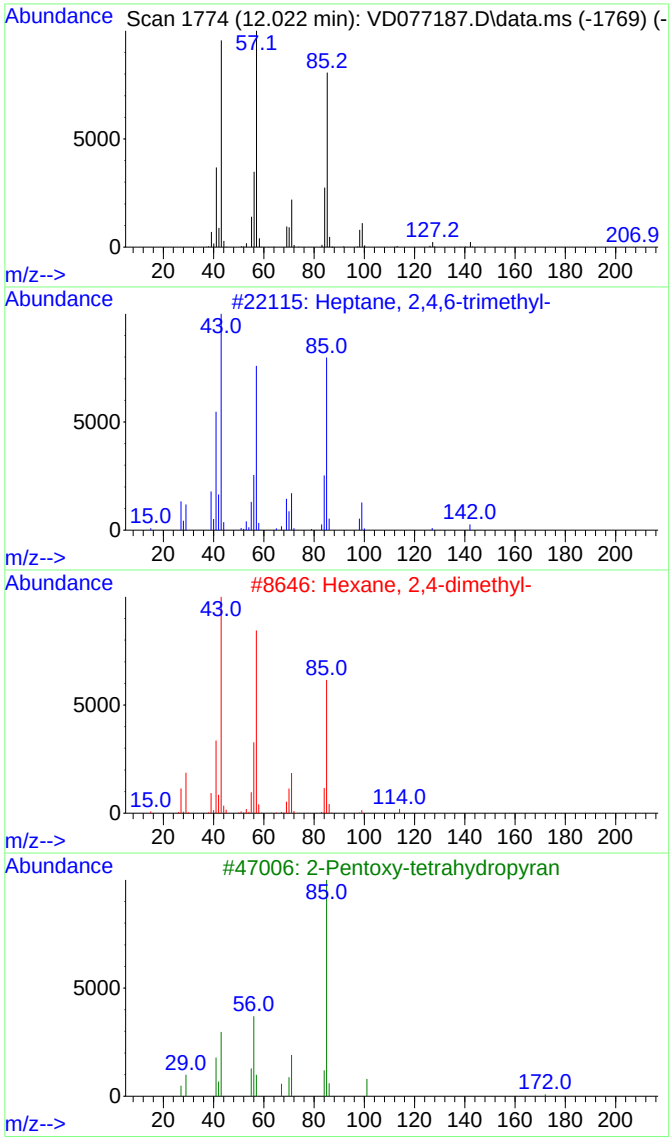
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

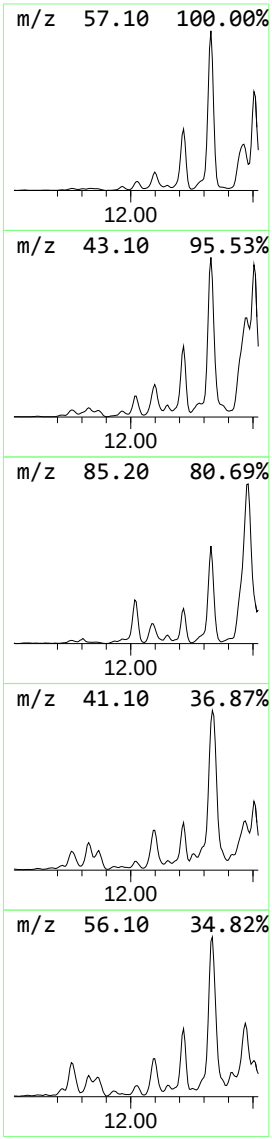
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	43.30 ug/L	1459650	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	87
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3	2-Pentoxy-tetrahydropyran	172	C10H20O2	032767-70-7	59
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Butanoic acid, 2-methyl-, 2-meth...	172	C10H20O2	002445-78-5	50





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

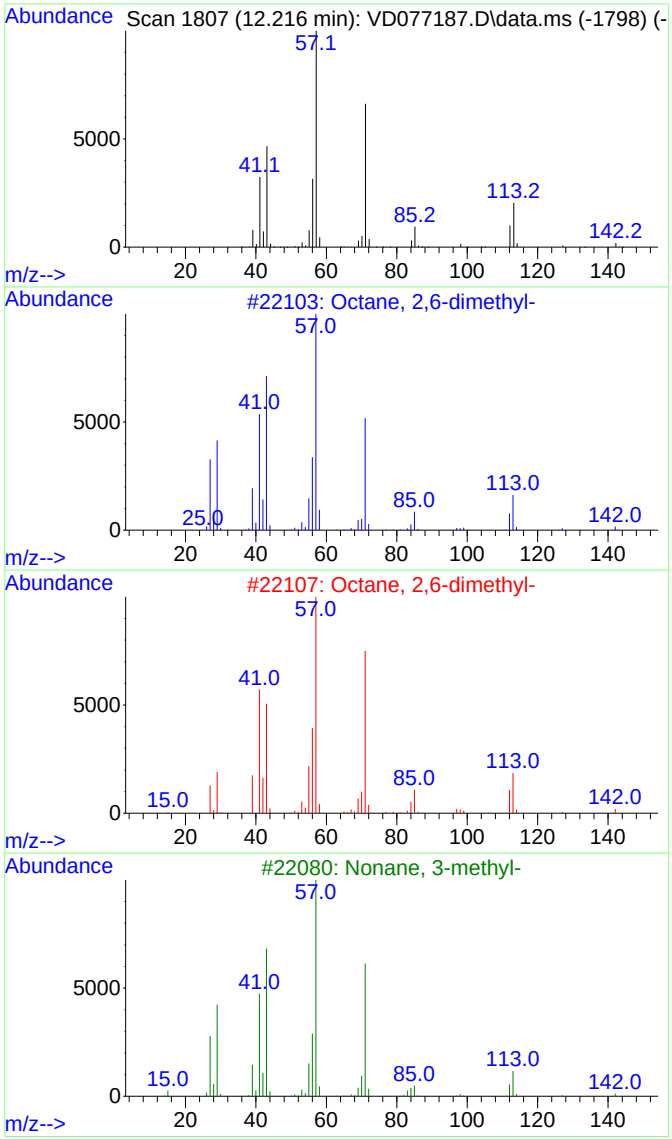
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

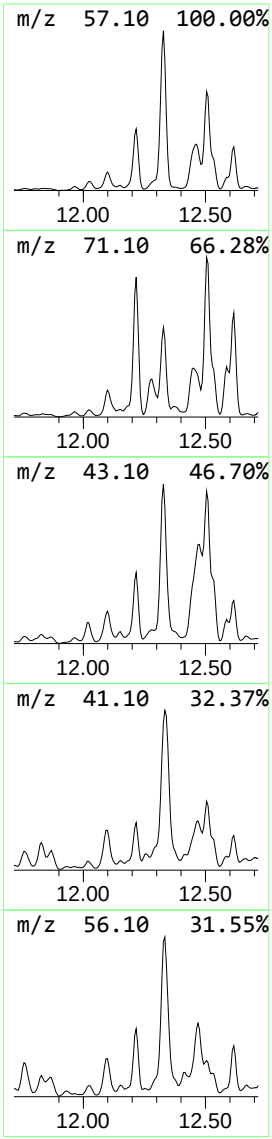
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	186.35 ug/L	6281440	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

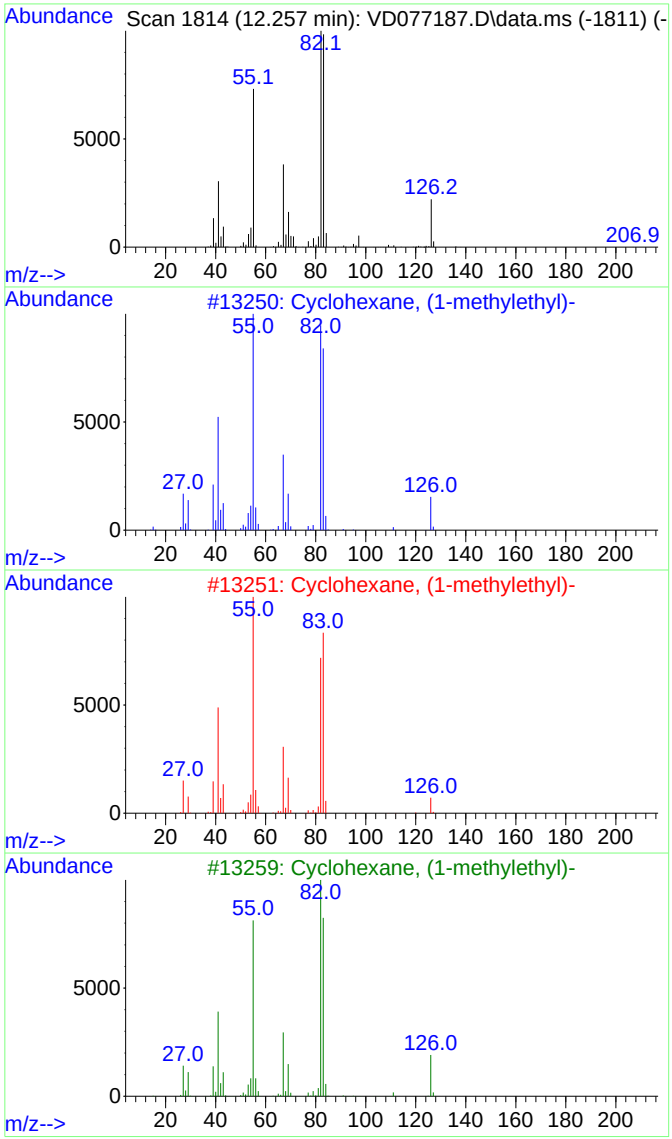
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

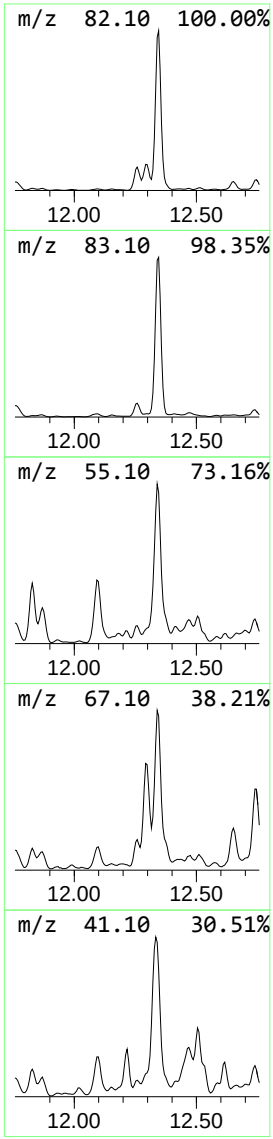
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic12.257 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	43.34 ug/L	1461000	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

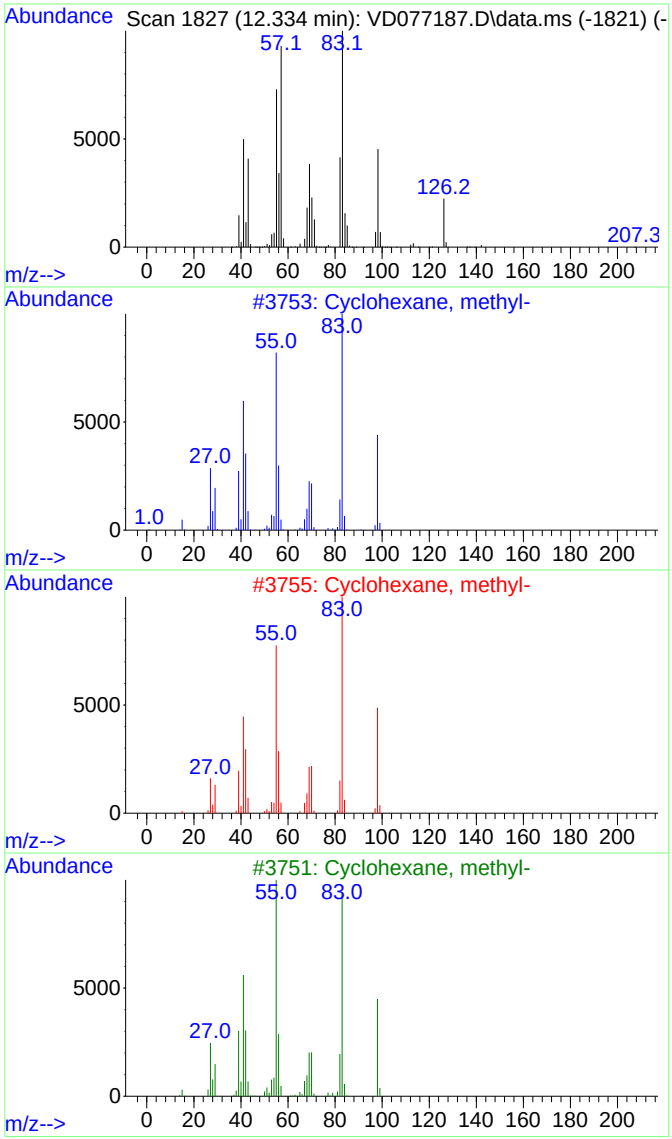
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

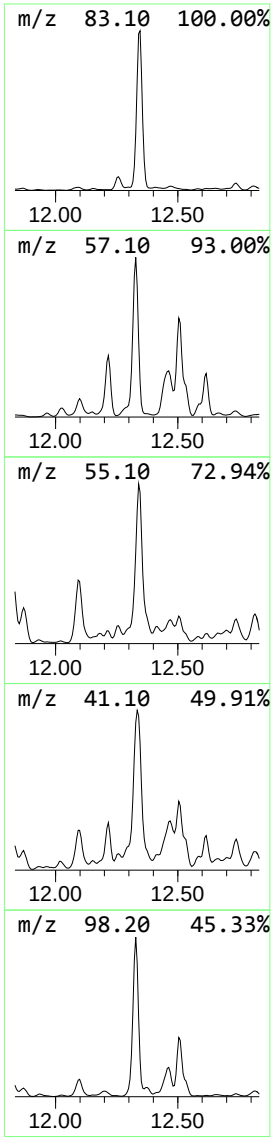
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic12.334 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.334	1426.50 ug/L	48085100	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	50
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	50
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	50
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	50
5	Cycloheptanone, 2-methyl-	126	C8H14O	000932-56-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

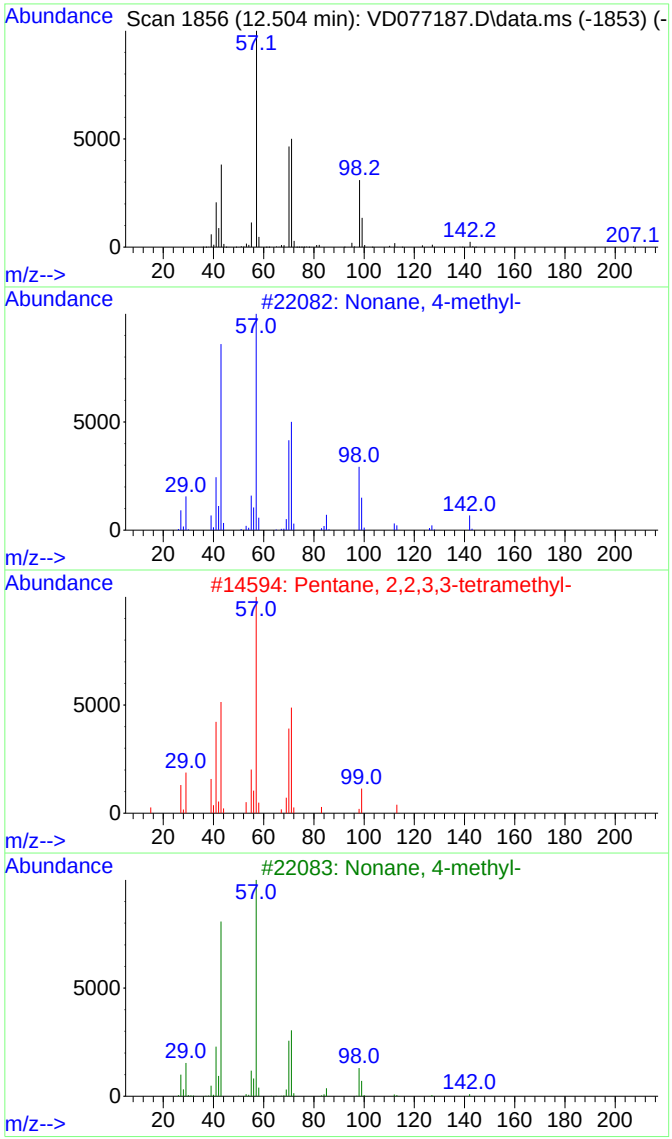
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

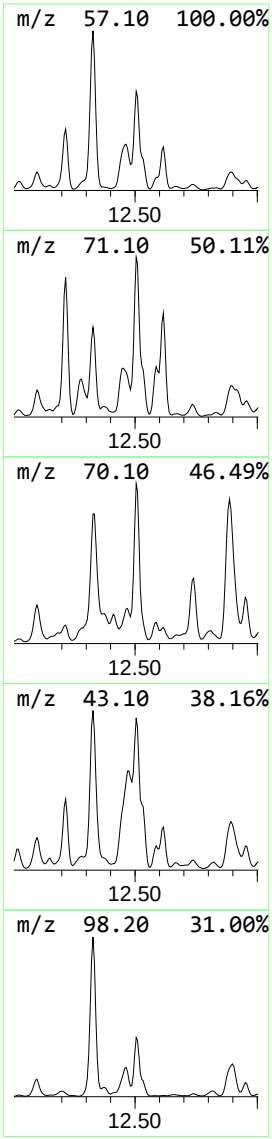
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	502.31 ug/L	16932000	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

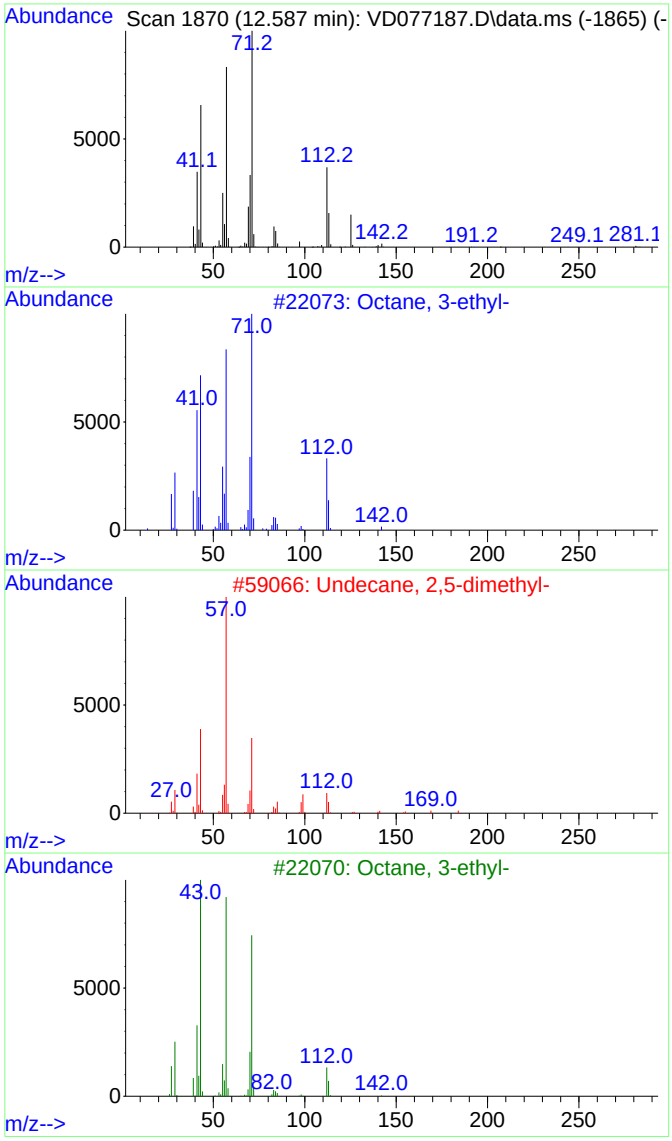
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

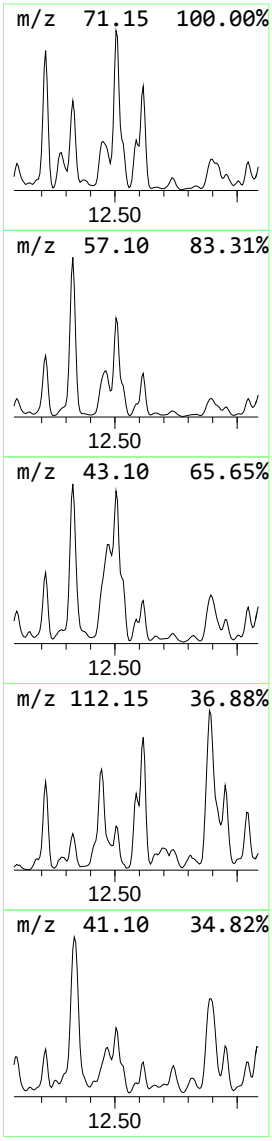
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.587	5.41 ug/L	2264410	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-	142	C10H22	005881-17-4	87
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	80
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	74
4	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	59
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	53





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

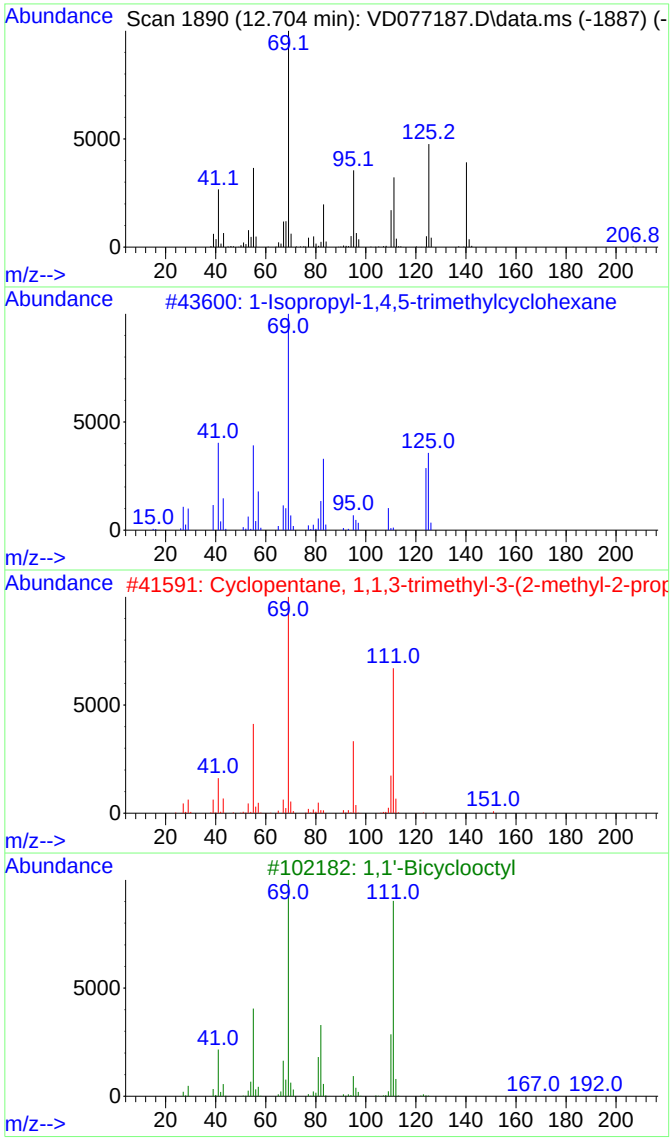
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

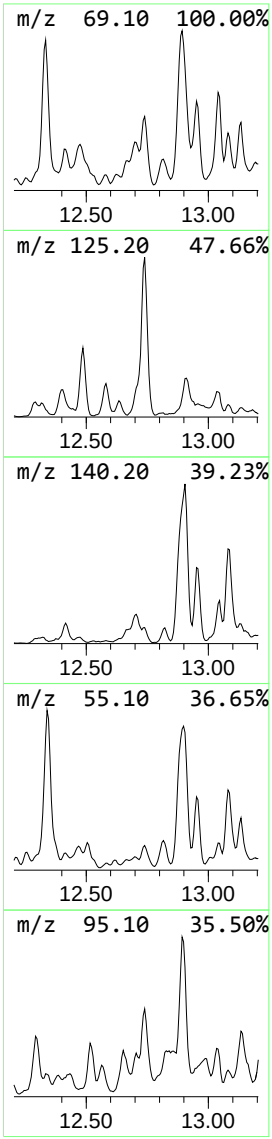
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic12.704 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	1.34 ug/L	559253	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropyl-1,4,5-trimethylcyclo...	168	C12H24	219783-06-9	43
2	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	38
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	35
4	3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	35
5	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	35





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

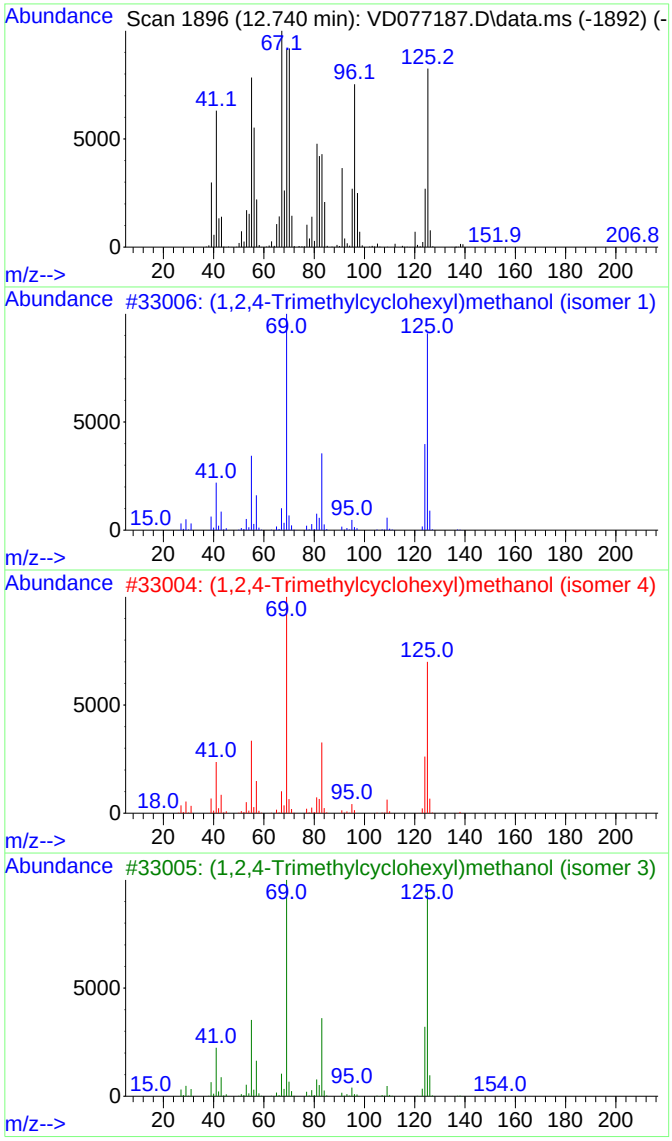
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

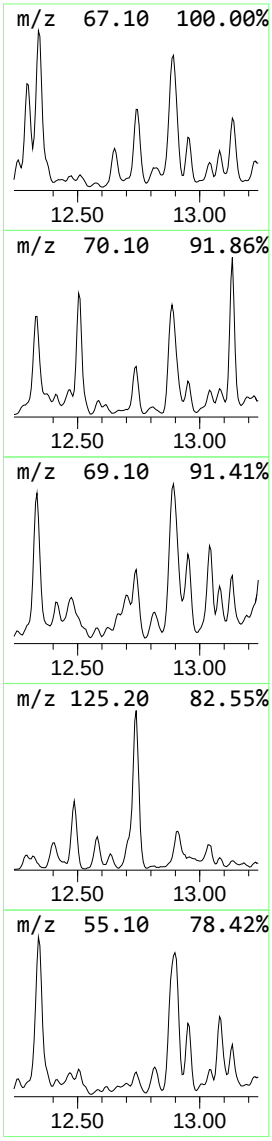
****

Peak Number 30 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.740	24.95 ug/L	10449000	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	35
2	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-1	35
3	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	27
4	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-9	27
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	25





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

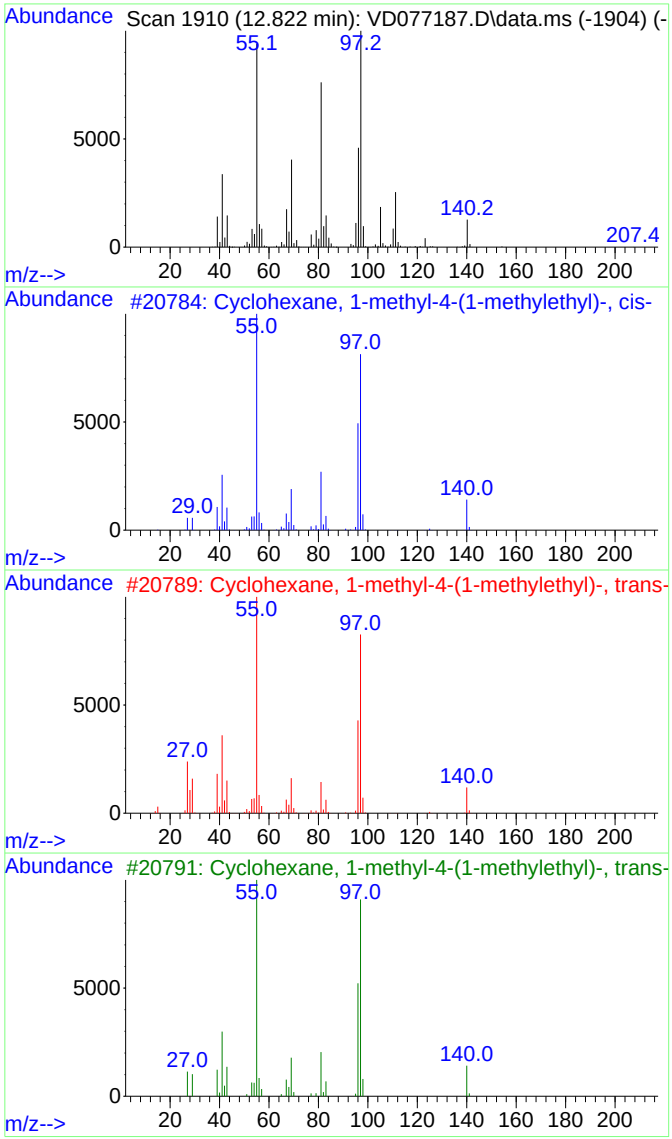
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

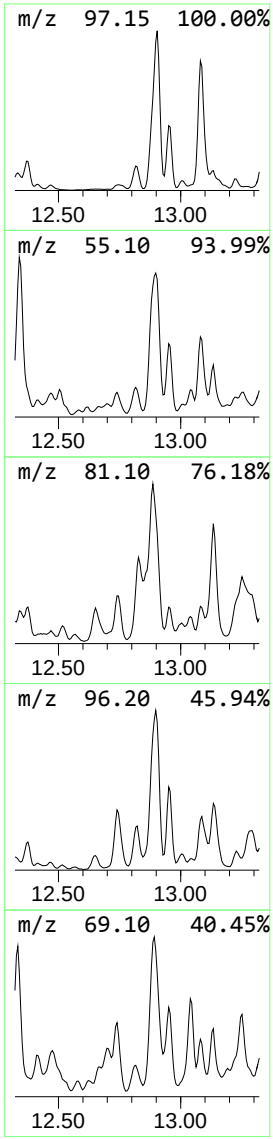
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic12.822 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.822	11.70 ug/L	4898020	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	60
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

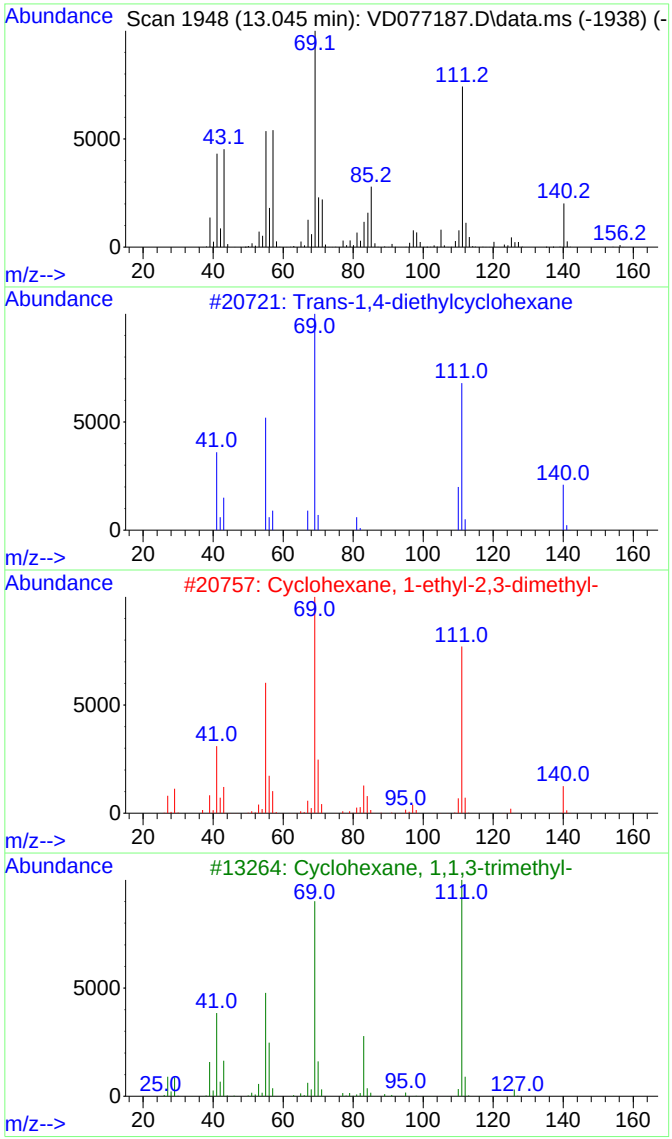
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

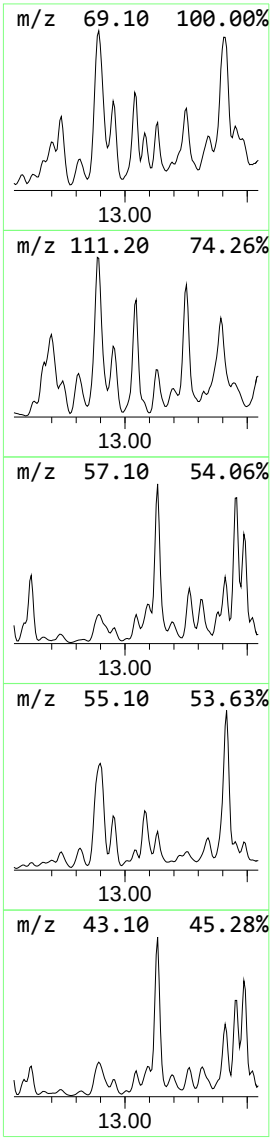
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic13.045 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	18.87 ug/L	7903470	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	62
2	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	59
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	52
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

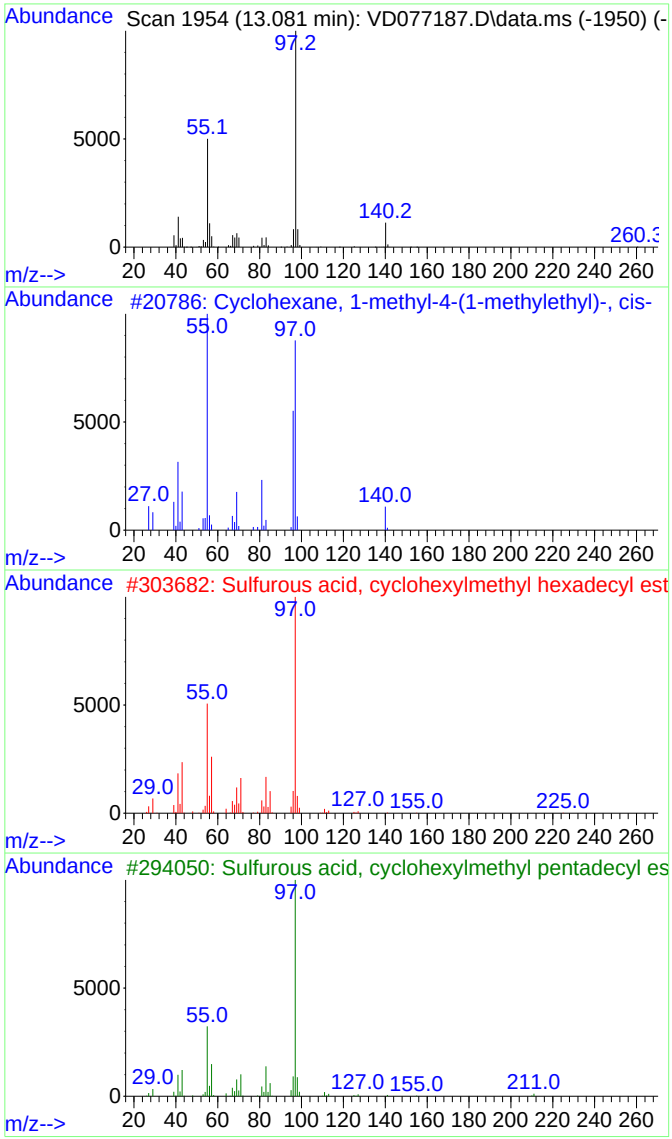
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

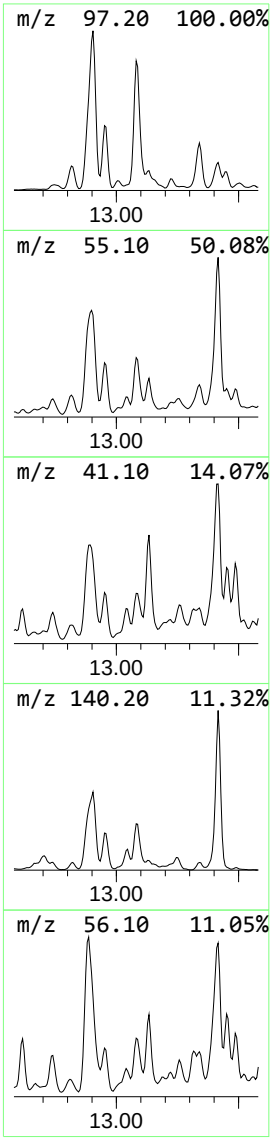
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic13.081 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.081	25.12 ug/L	10517500	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	72
2	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
3	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
4	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	72
5	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

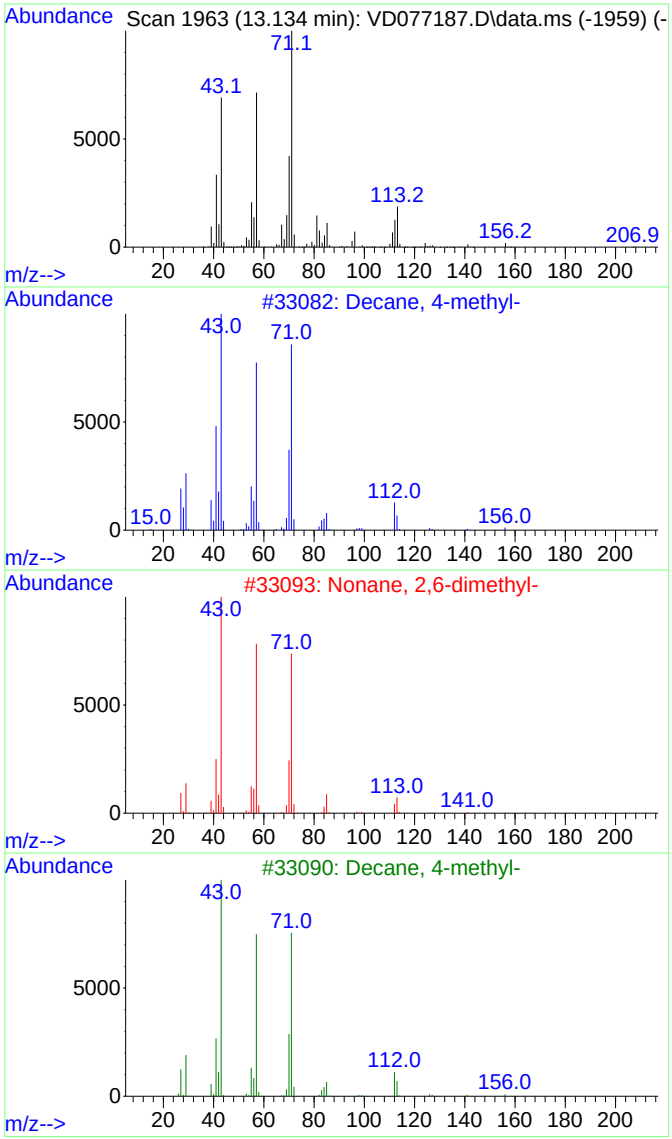
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

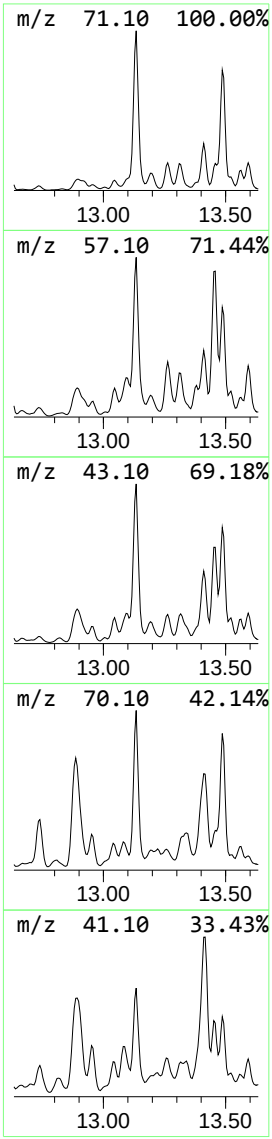
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.134	49.72 ug/L	20819900	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
3	Decane, 4-methyl-	156	C11H24	002847-72-5	80
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	80
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

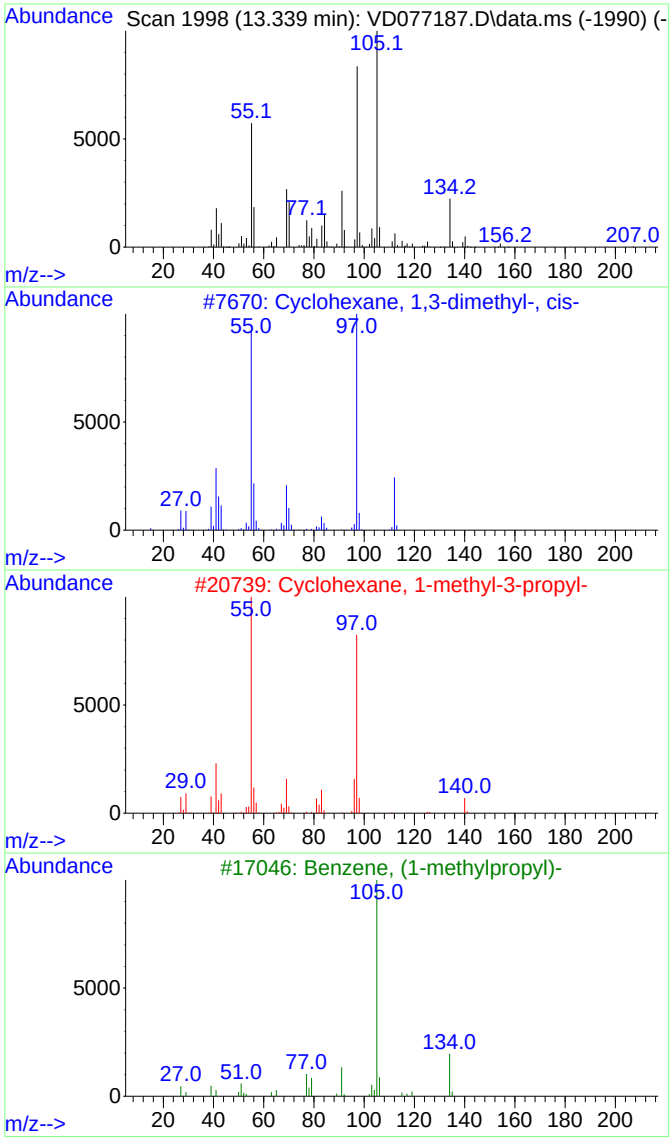
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

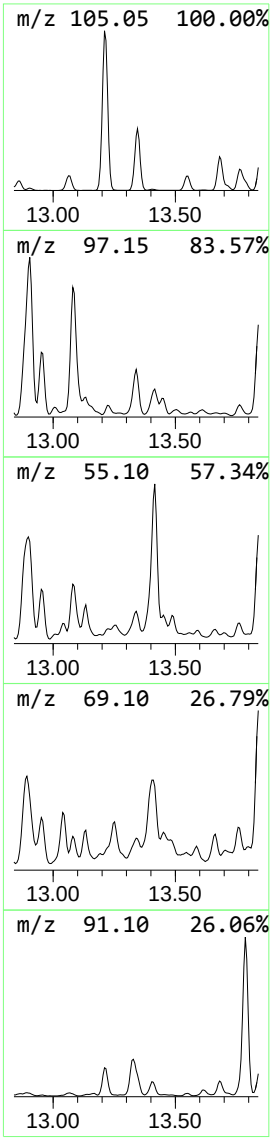
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Cyclic13.339 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.339	24.76 ug/L	10367200	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	38
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	35
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	35
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

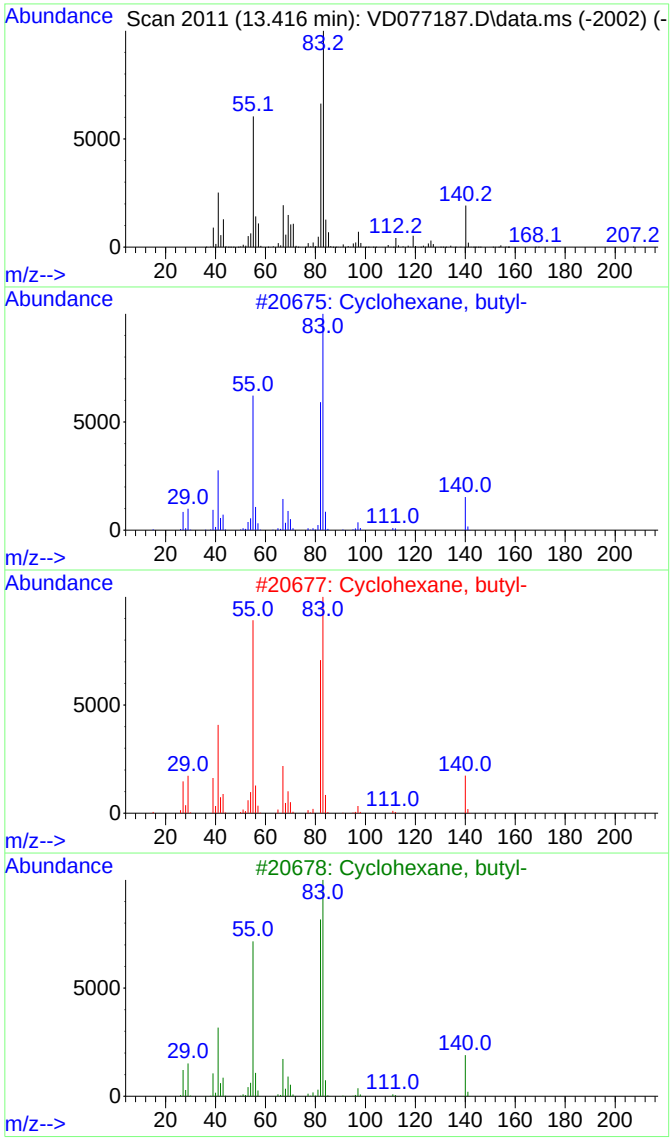
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

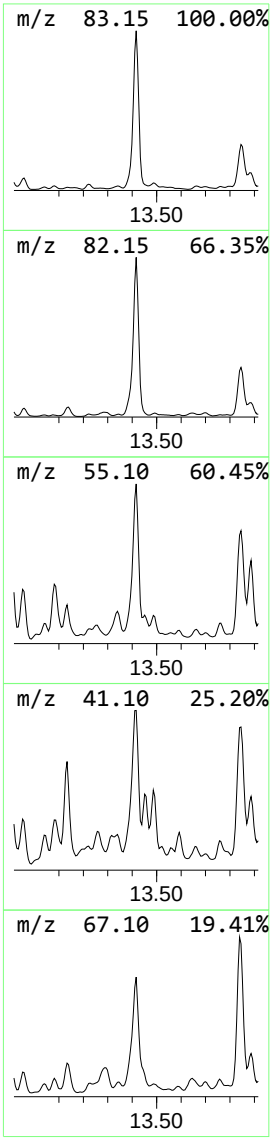
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic13.416 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	114.78 ug/L	48064700	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	76
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

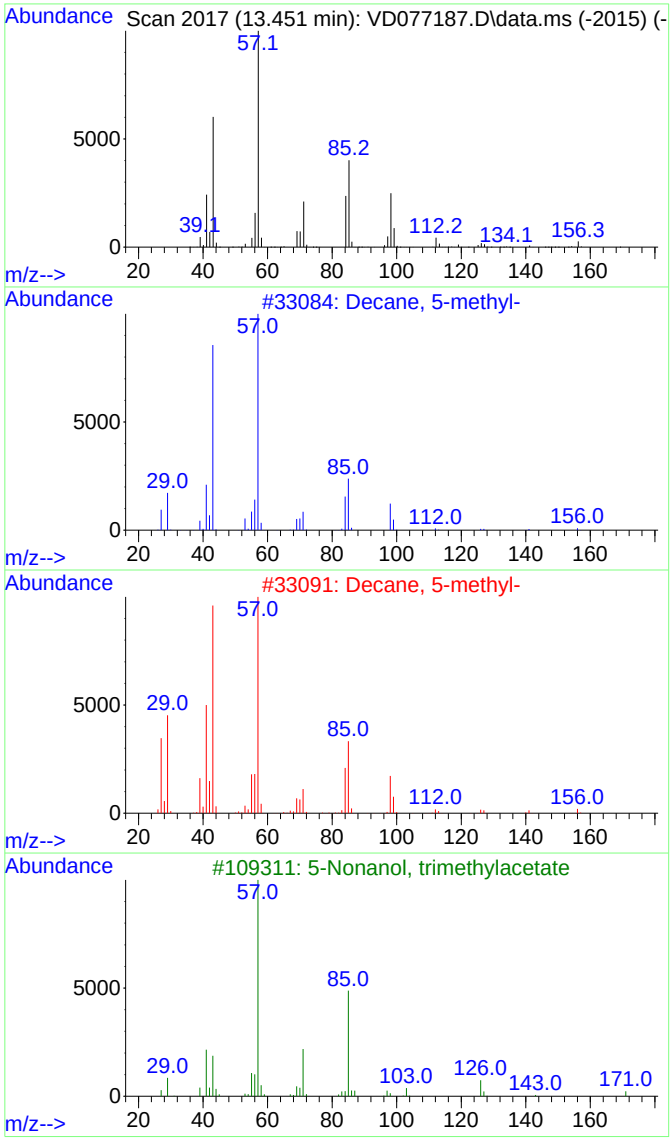
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

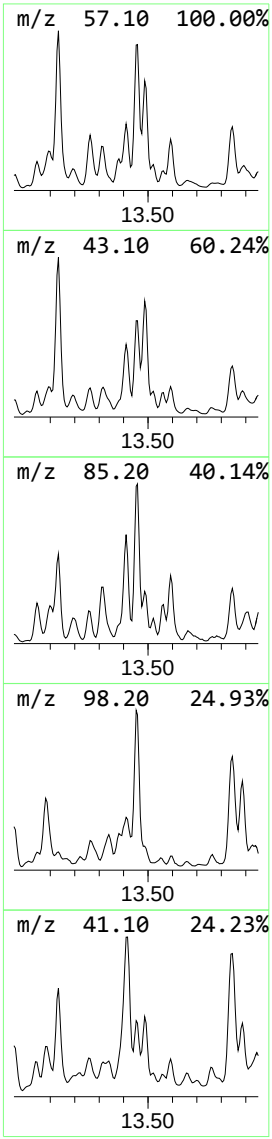
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	23.54 ug/L	9858370	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	87
2	Decane, 5-methyl-	156	C11H24	013151-35-4	72
3	5-Nonanol, trimethylacetate	228	C14H28O2	1000463-48-2	50
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
5	4,4-Dimethyl octane	142	C10H22	015869-95-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

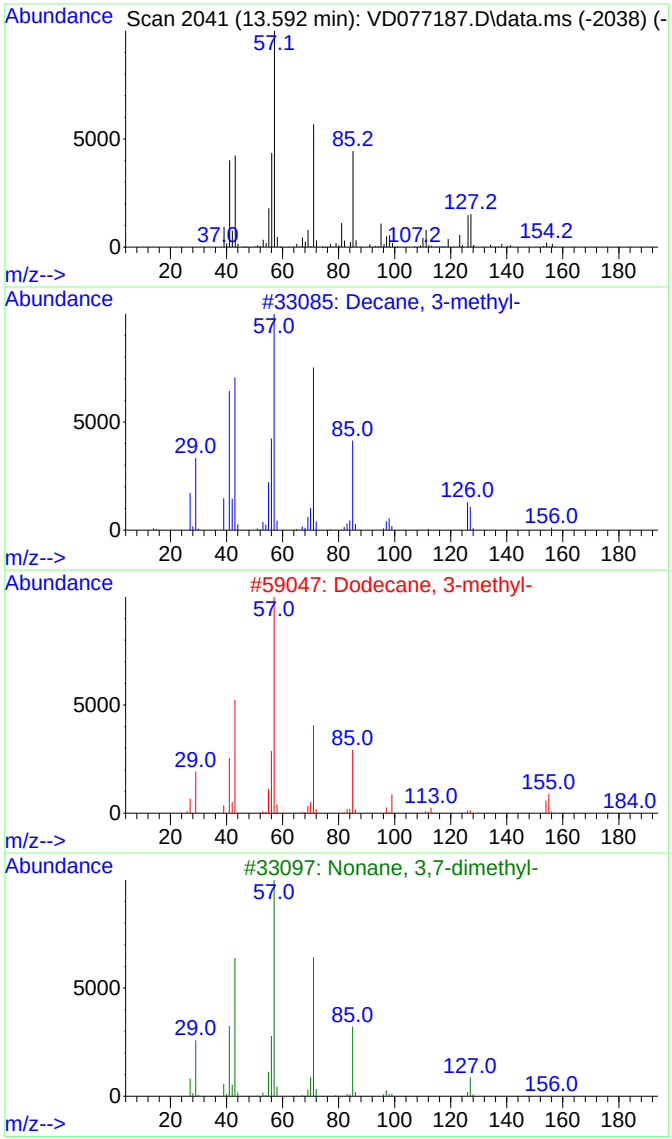
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

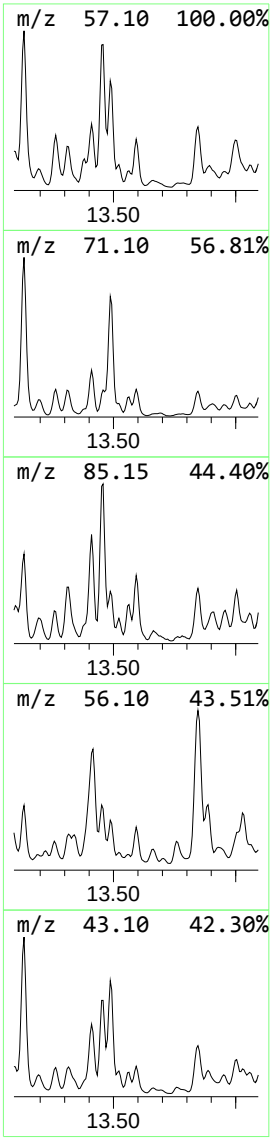
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.592	8.88 ug/L	3720260	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	64
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	43
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	43





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

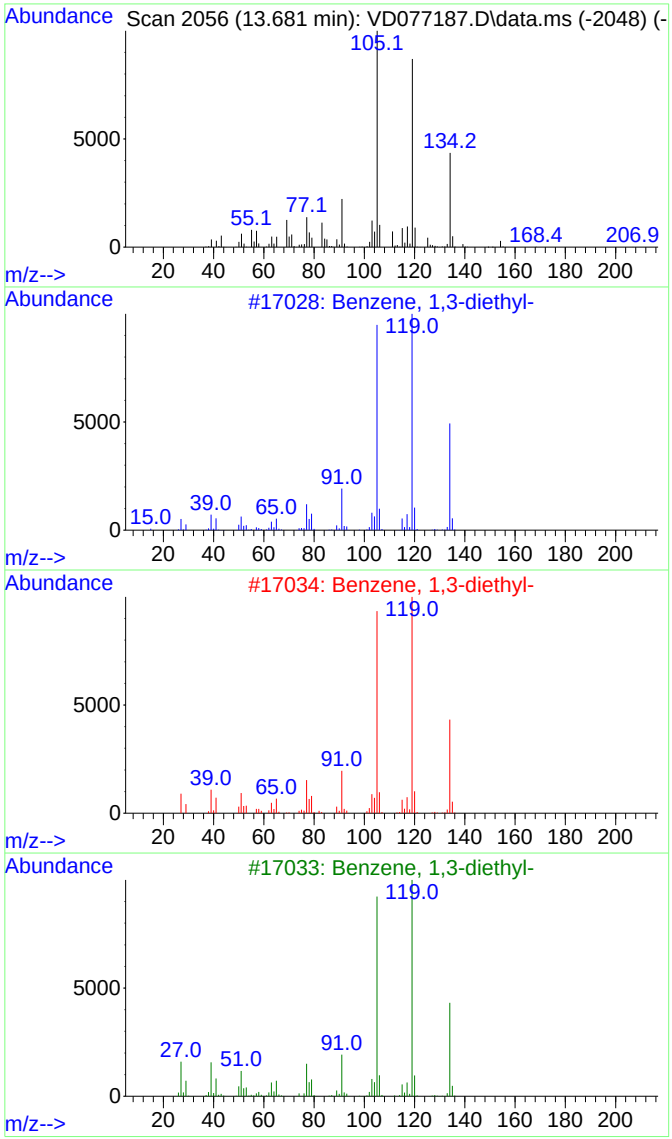
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

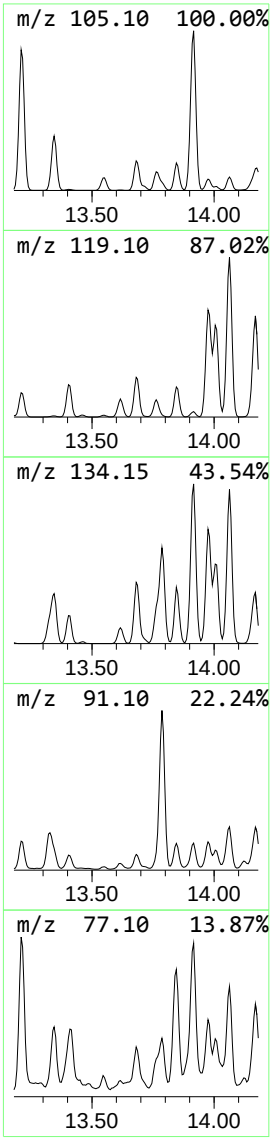
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,3-diethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.681	19.50 ug/L	8167420	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

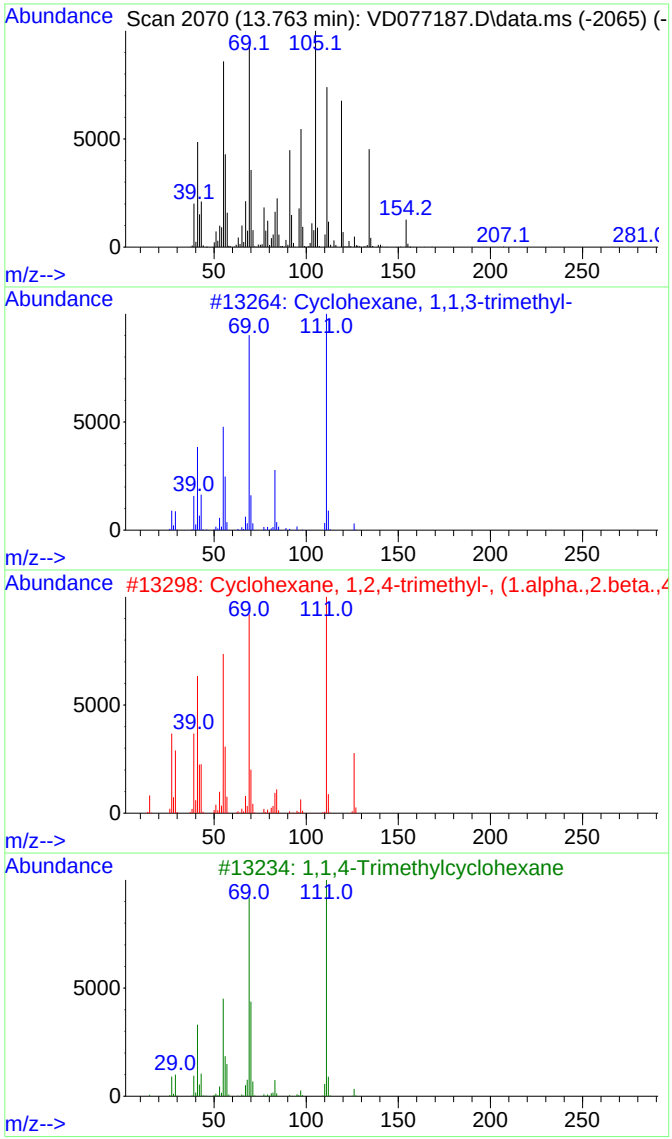
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

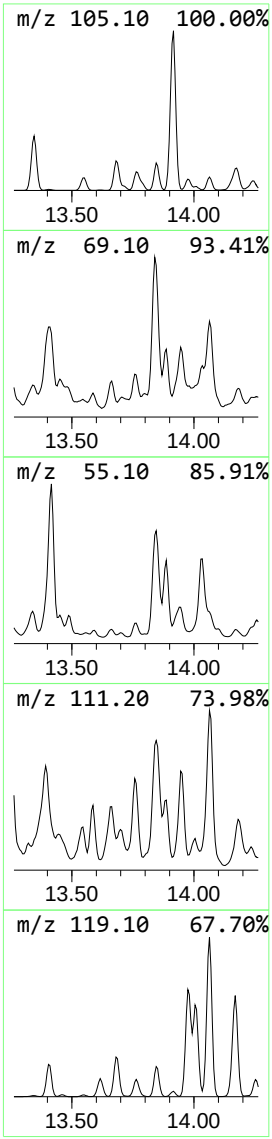
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Cyclic13.763 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	11.61 ug/L	4862790	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	46
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	45
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	41





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

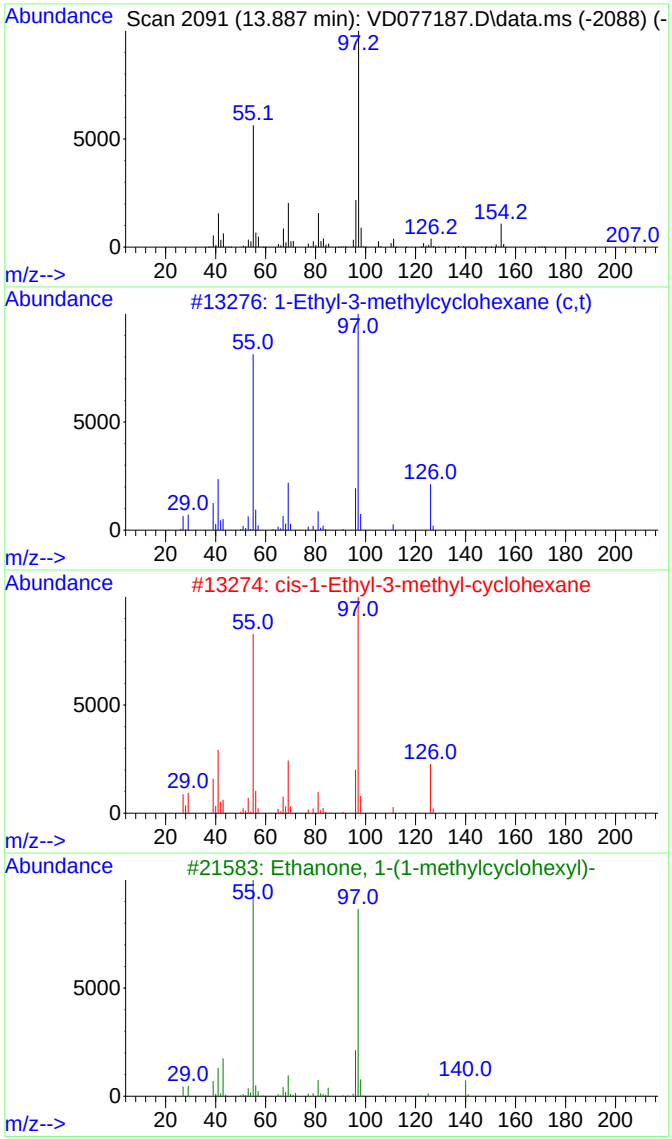
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

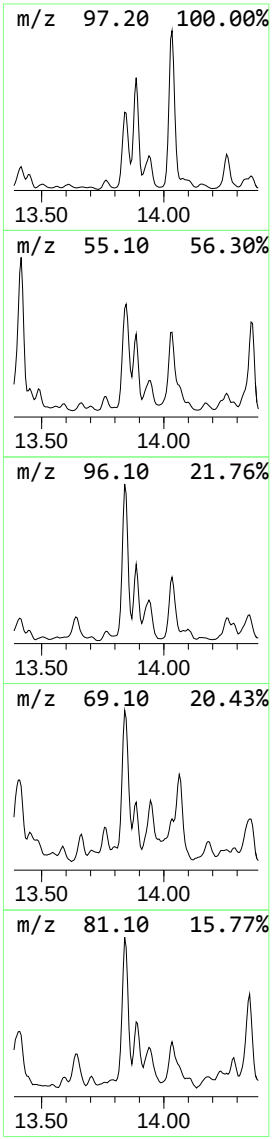
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Cyclic13.887 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.887	20.16 ug/L	8441700	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
4	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	64
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

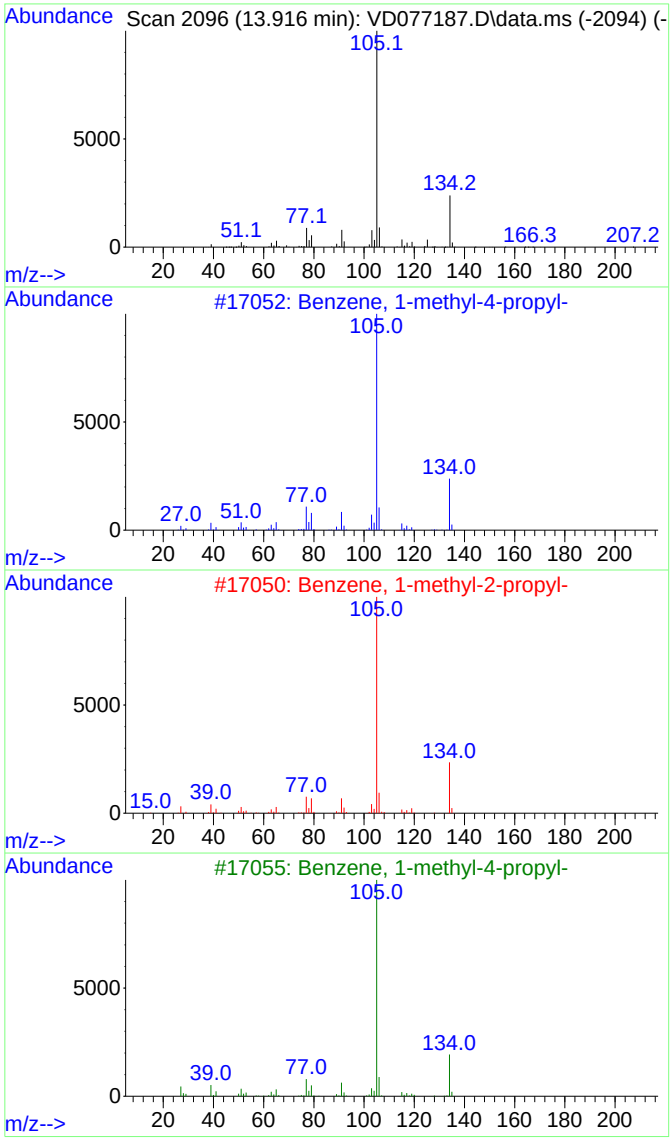
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

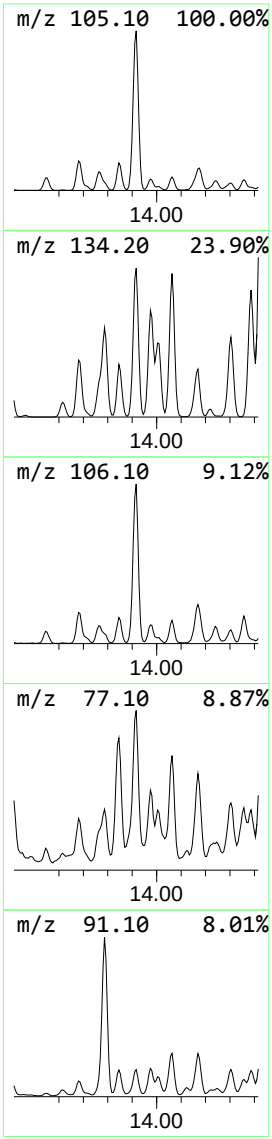
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-methyl-4-propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	9.13 ug/L	3821540	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

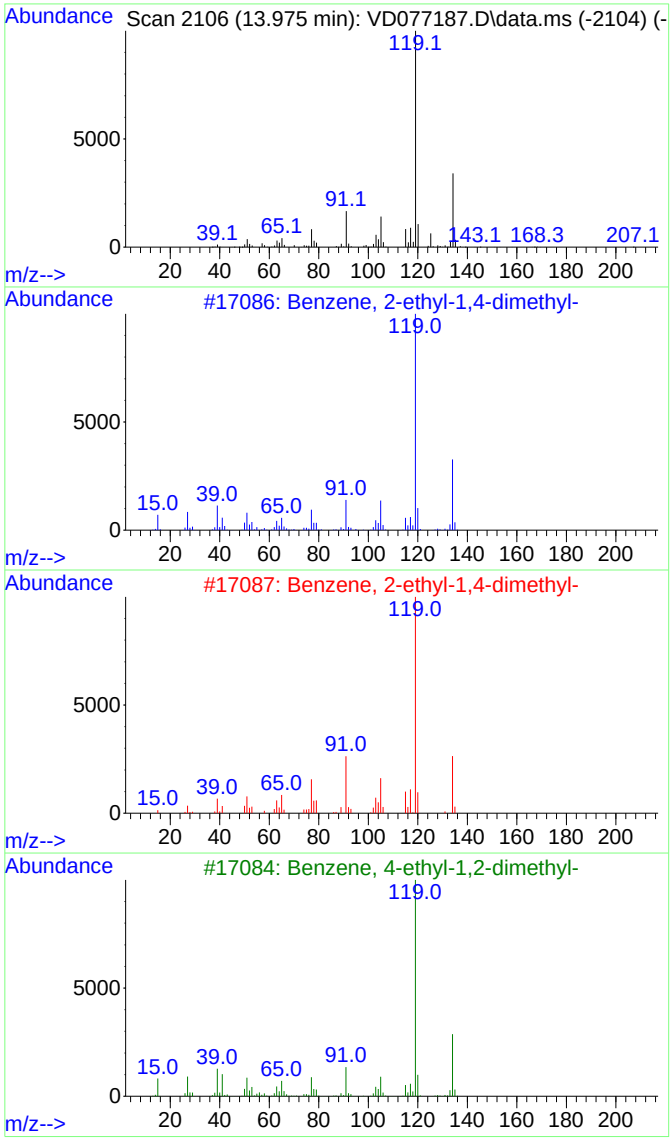
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

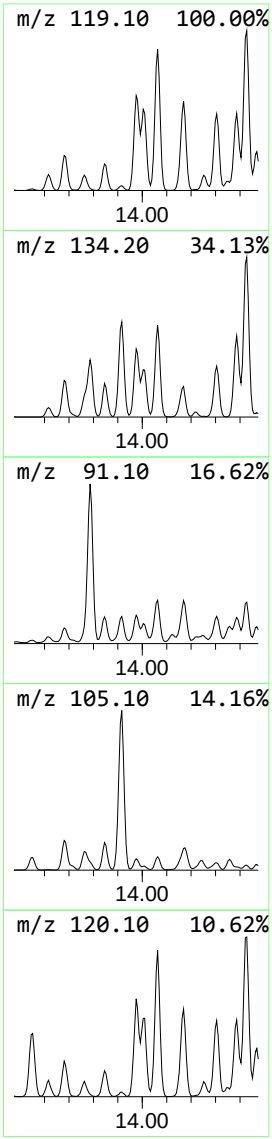
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	10.44 ug/L	4373010	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

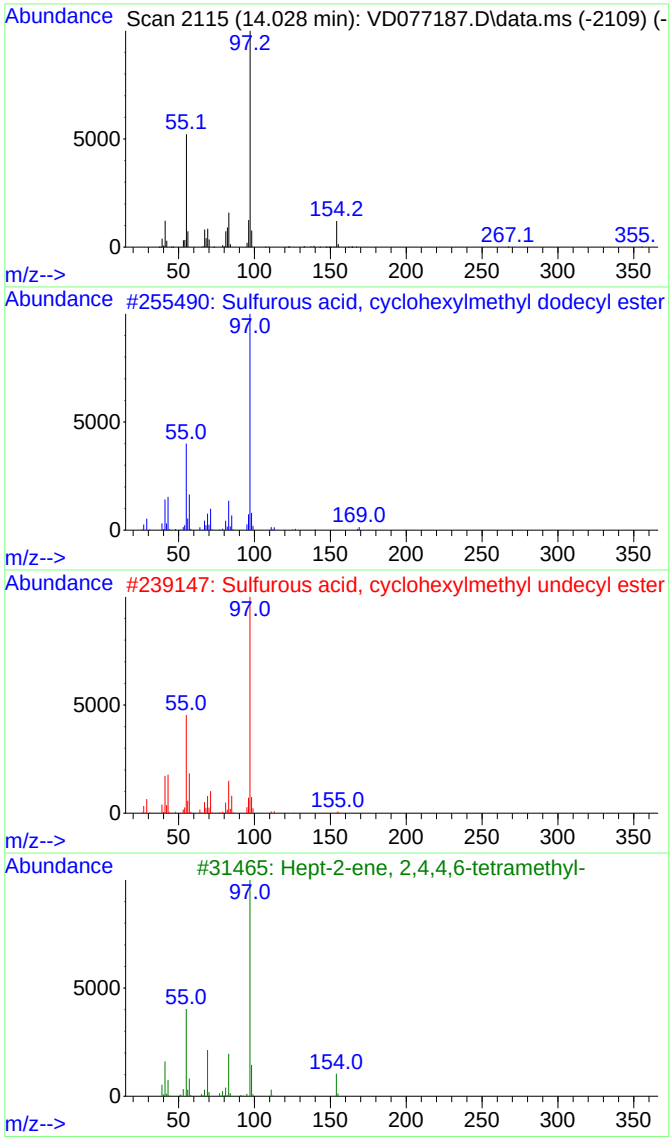
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

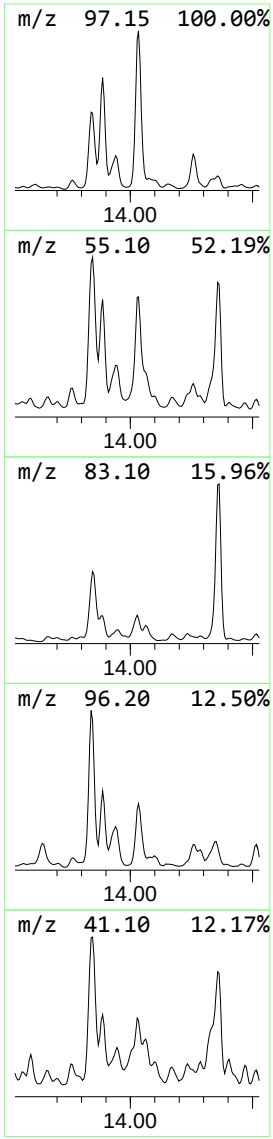
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Sulfurous acid, cyclohexylm... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.028	46.65 ug/L	19533500	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	64
2	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
3	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	59
4	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	59
5	2,2,3,3-Tetramethylcyclopropanec...	238	C15H26O2	1010221-97-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

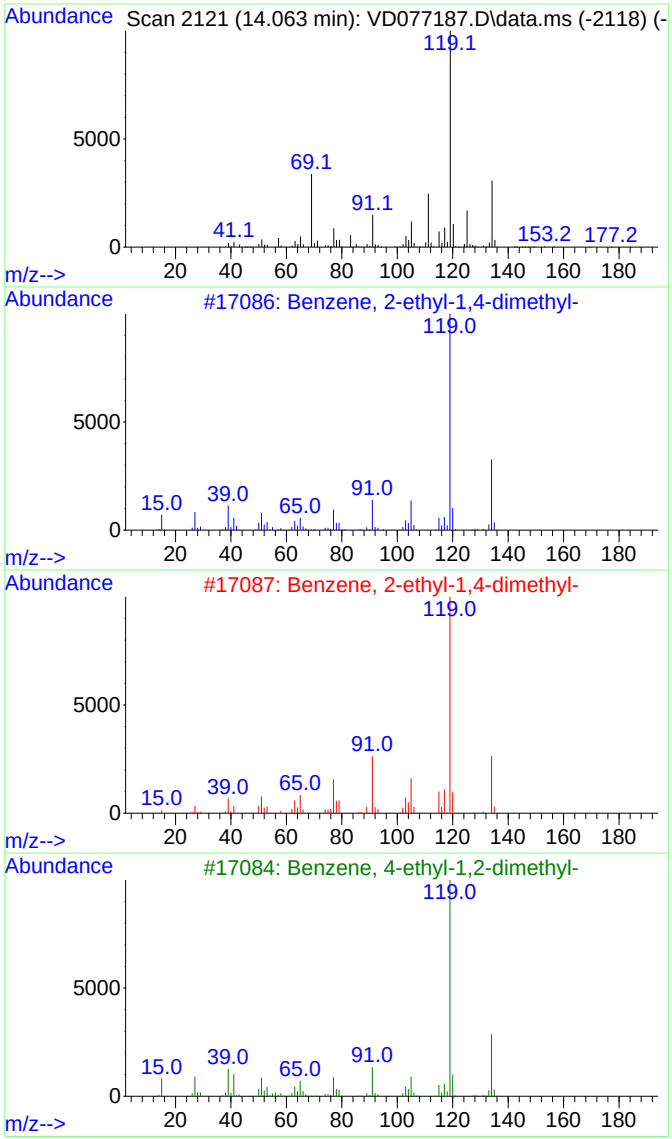
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

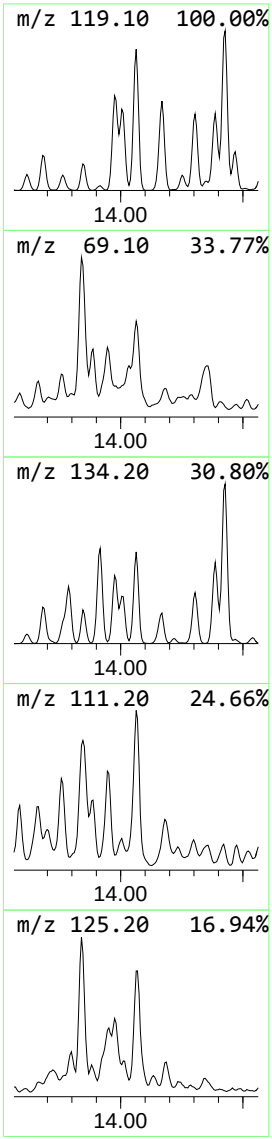
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.063	31.38 ug/L	13138900	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

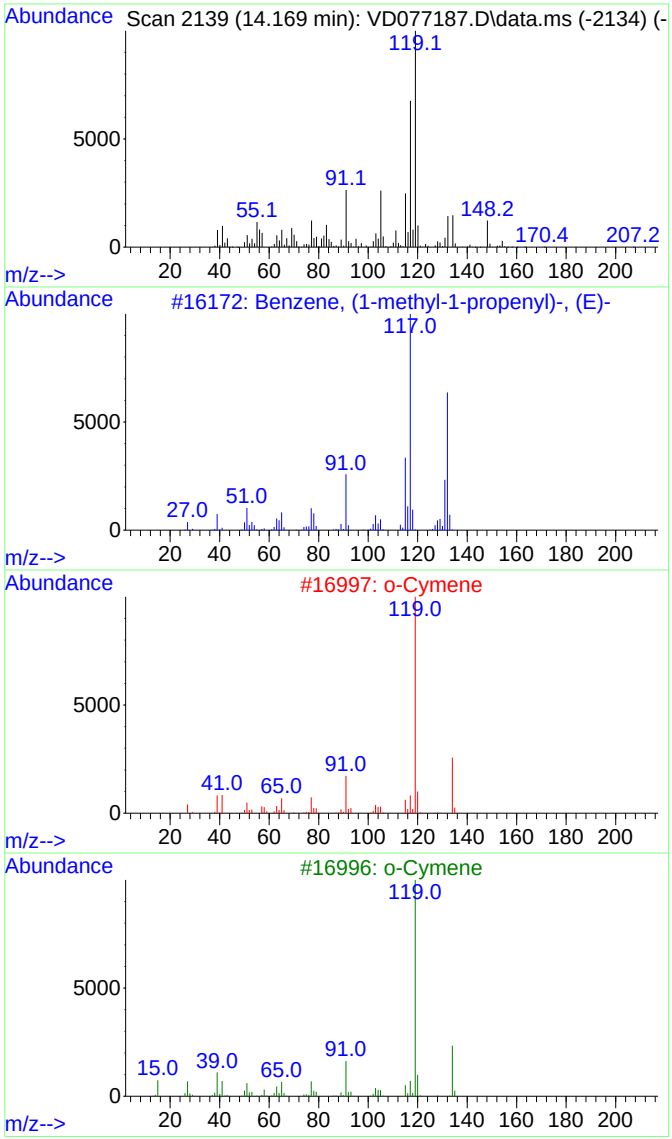
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

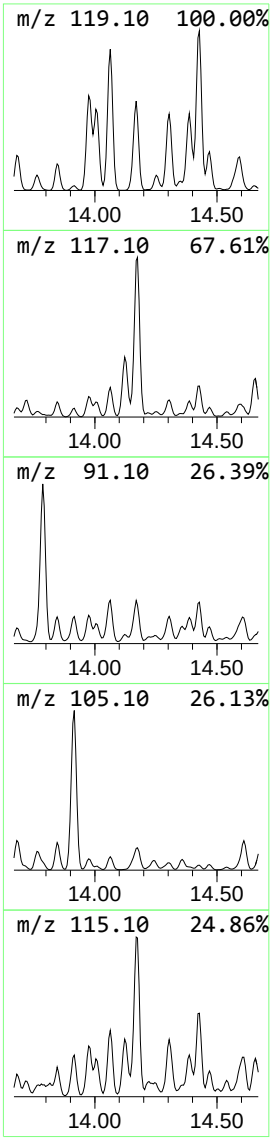
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, (1-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	27.99 ug/L	11721600	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	51
2	o-Cymene	134	C10H14	000527-84-4	50
3	o-Cymene	134	C10H14	000527-84-4	50
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	46
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

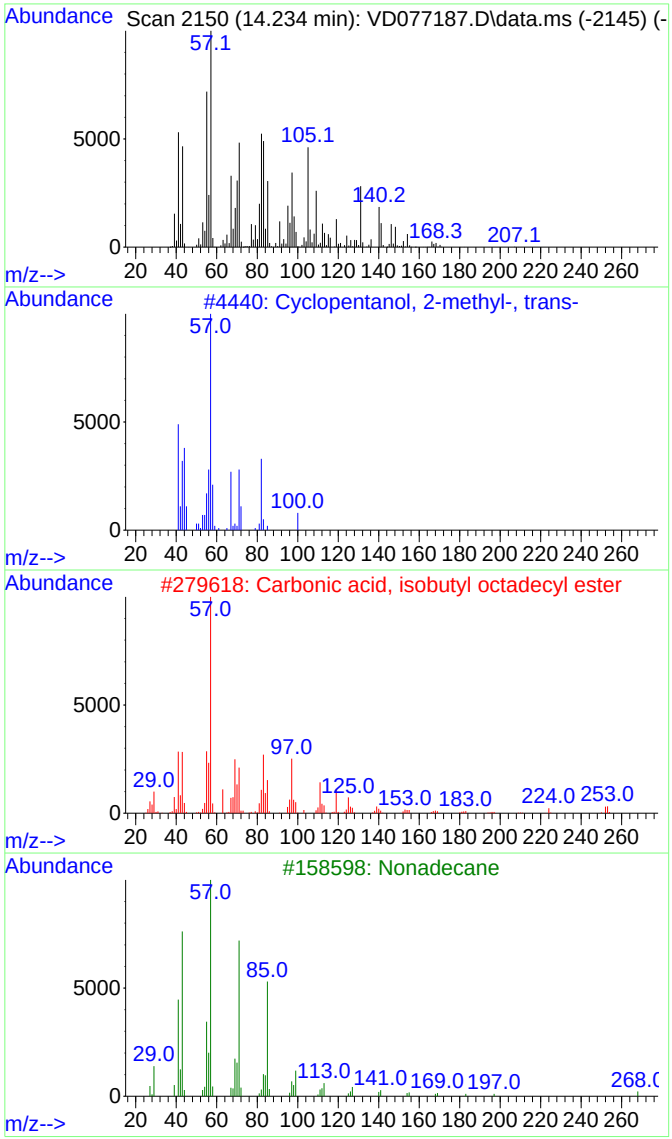
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

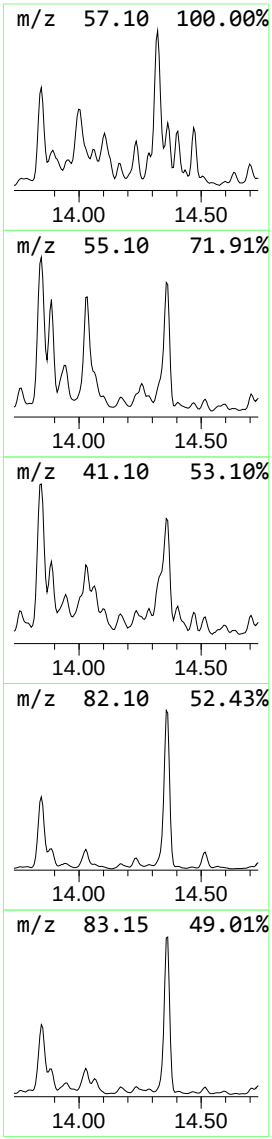
****

Peak Number 47 unknown-03 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.234	18.37 ug/L	7693690	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	22
2	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	14
3	Nonadecane	268	C19H40	000629-92-5	14
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	11
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

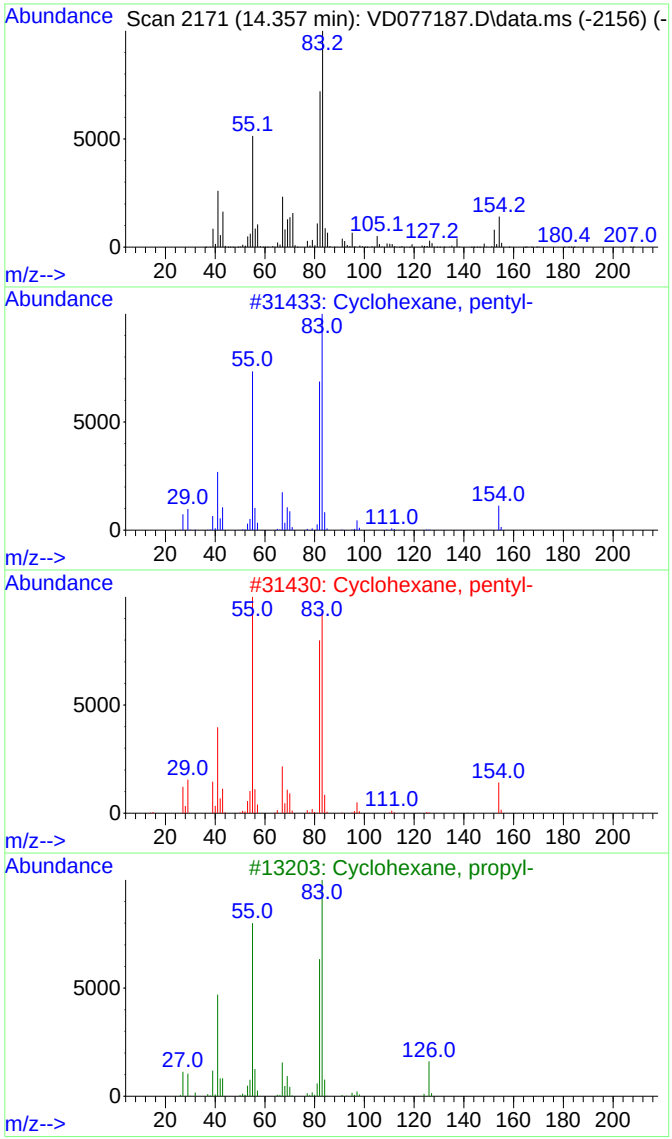
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

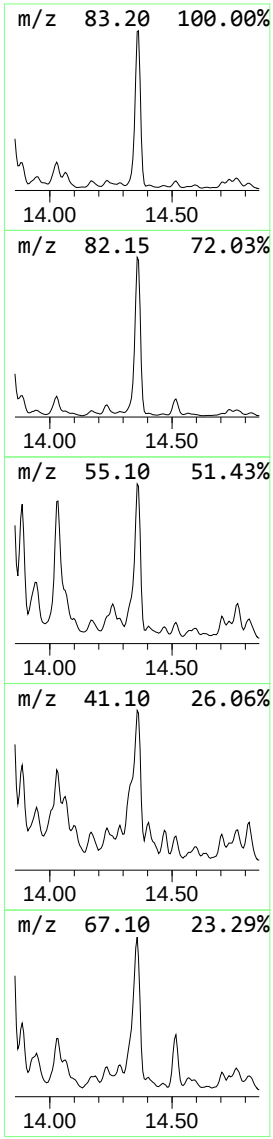
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 (DEL) Alkane: Cyclic14.357 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.357	131.69 ug/L	55147700	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

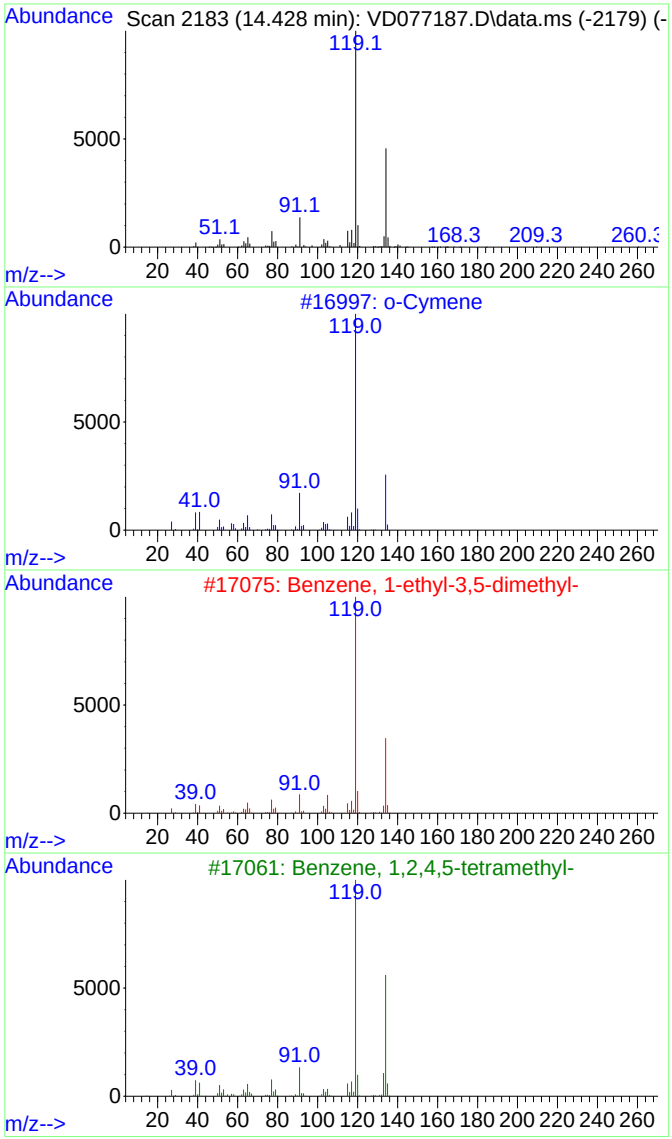
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

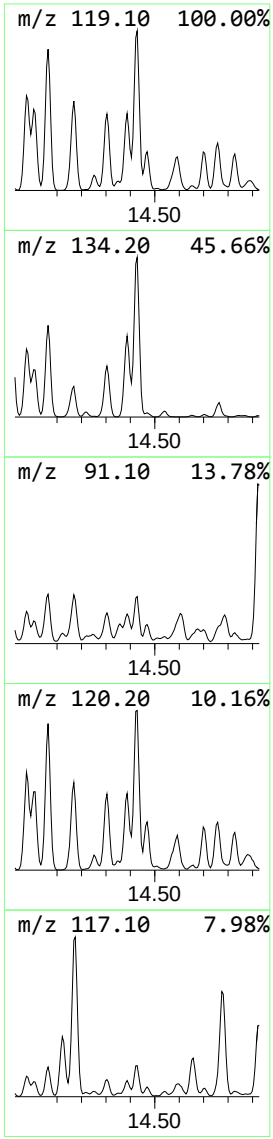
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.428	24.70 ug/L	10342700	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

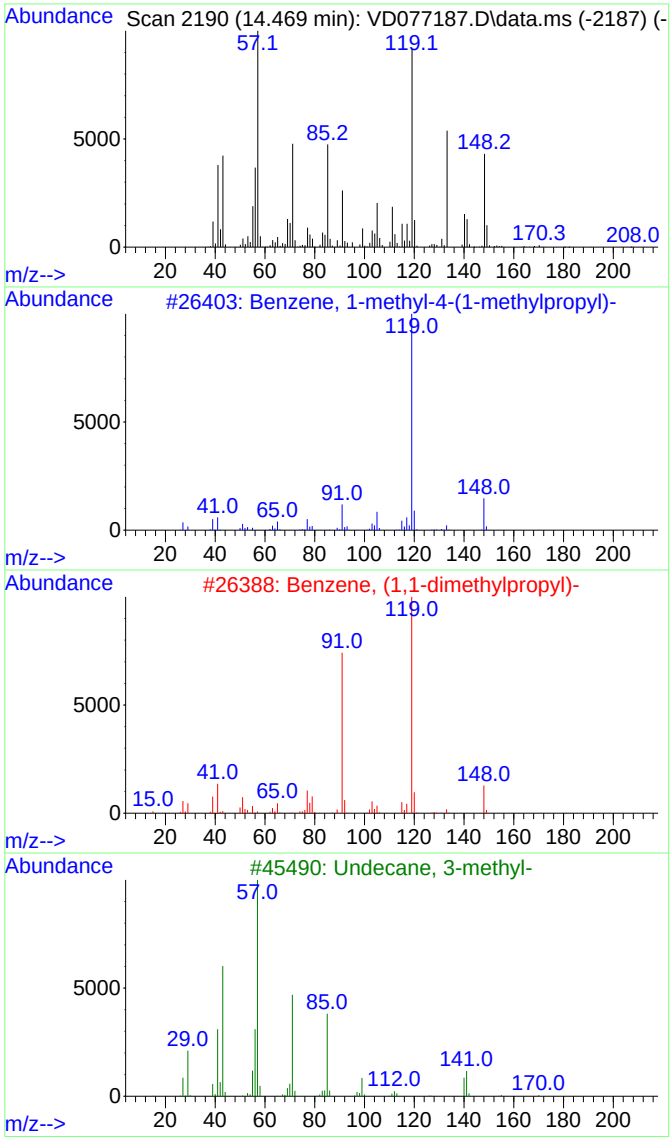
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

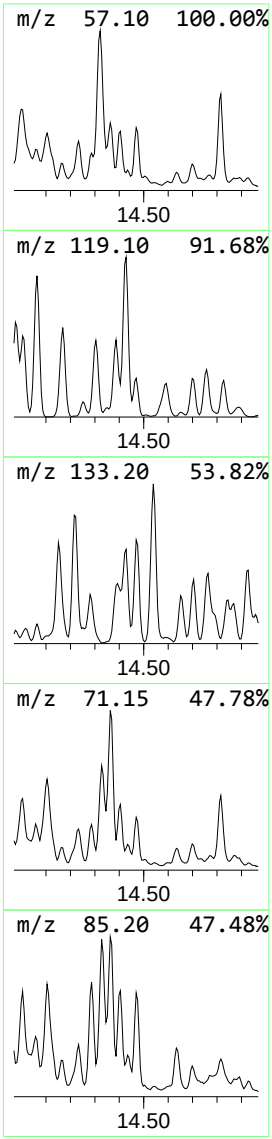
****

Peak Number 50 unknown-04 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.469	10.90 ug/L	4563500	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	38
4	9-methylheptadecane	254	C18H38	026741-18-4	30
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	25





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

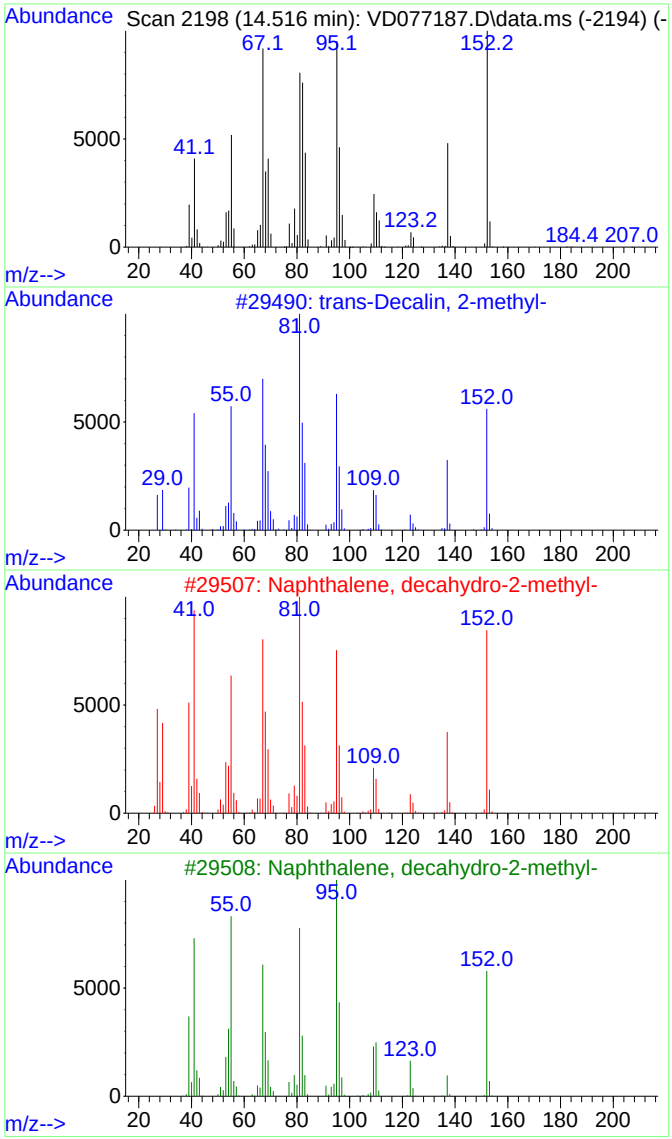
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

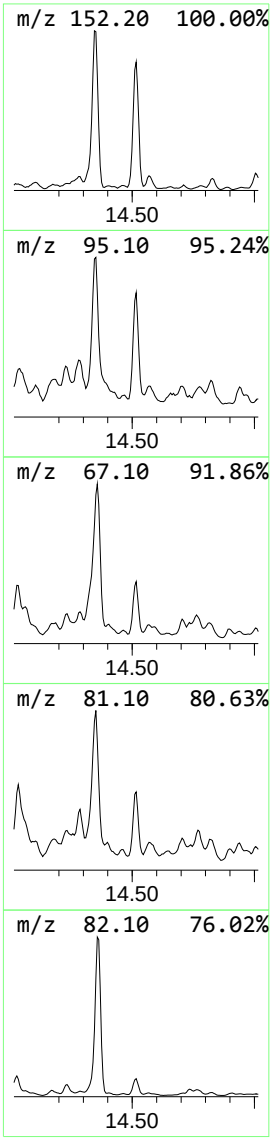
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 trans-Decalin, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.516	10.16 ug/L	4253190	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	64
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58





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Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

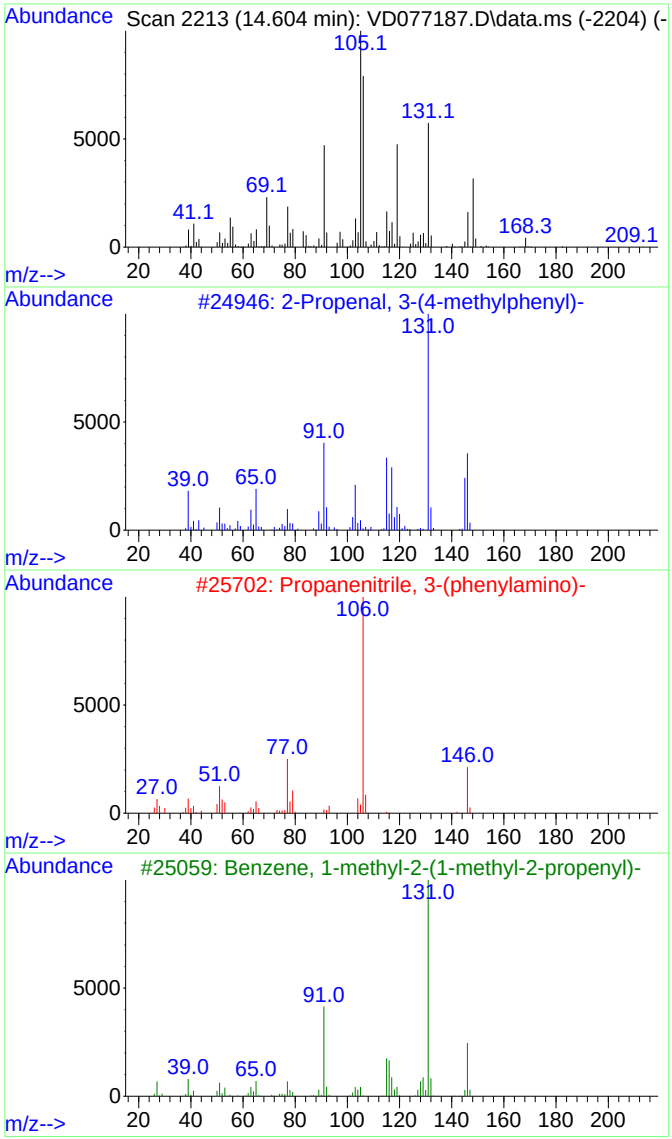
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

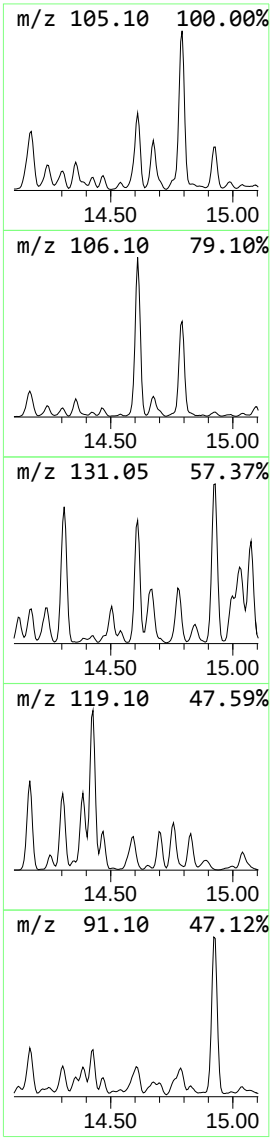
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 unknown-05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.604	15.73 ug/L	6585050	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	35
2	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	25
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	25
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	25
5	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

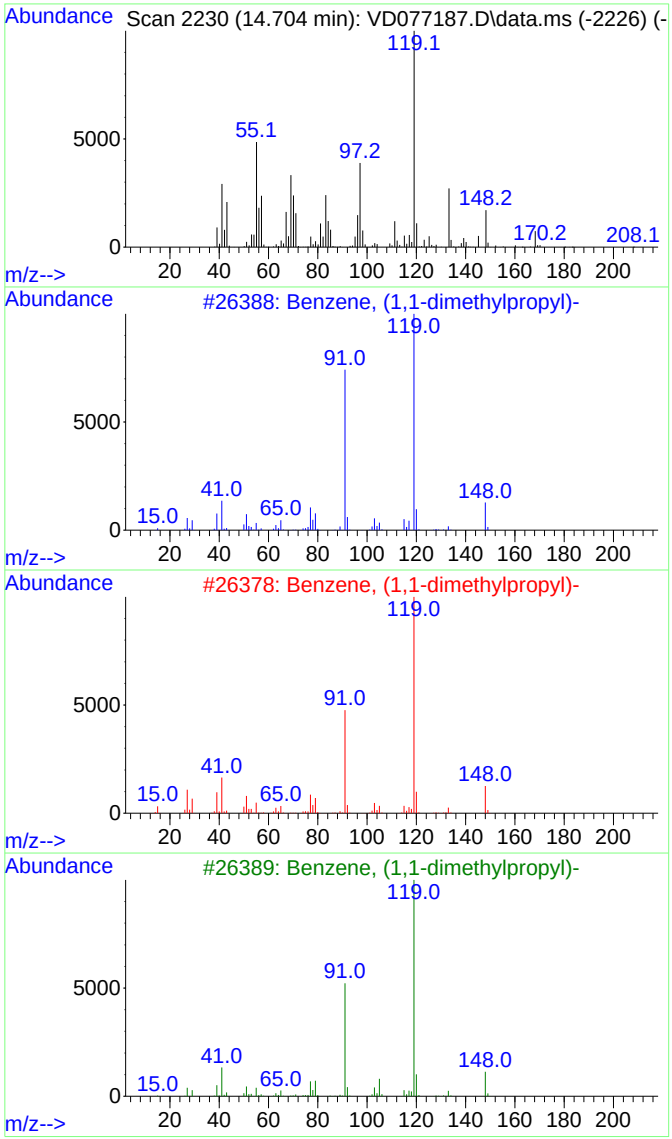
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

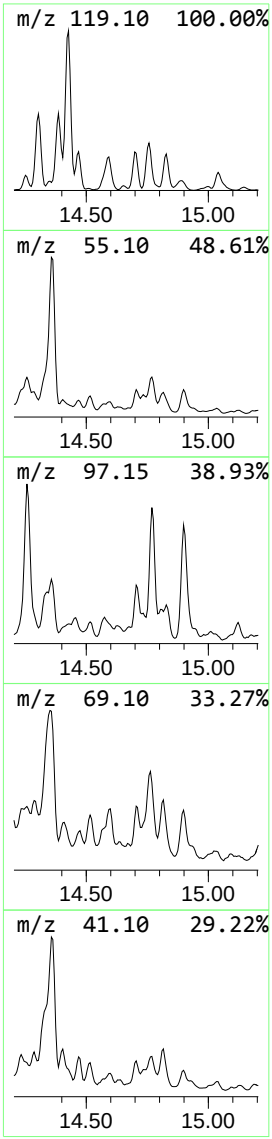
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 unknown-06 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.704	8.36 ug/L	3499180	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	35
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	27





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Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

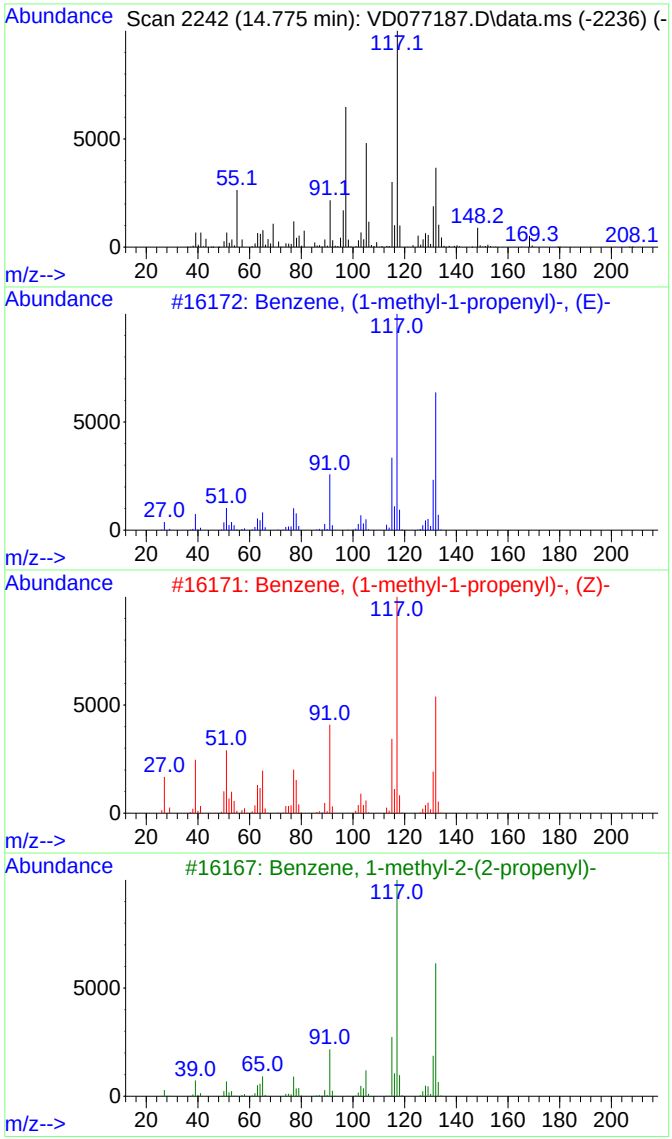
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

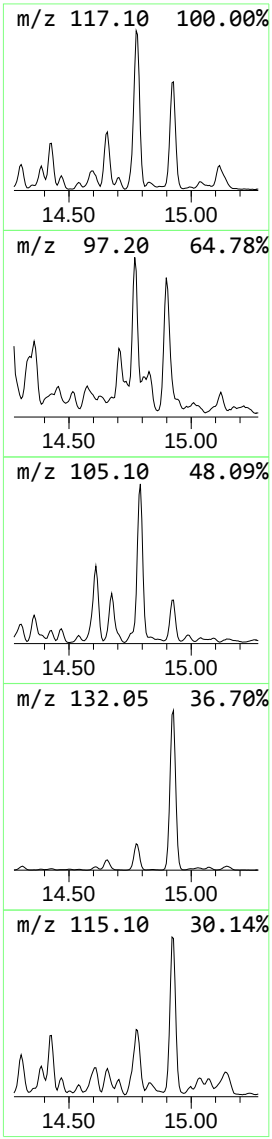
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, (1-methyl-1-propen... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.775	24.75 ug/L	10364900	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

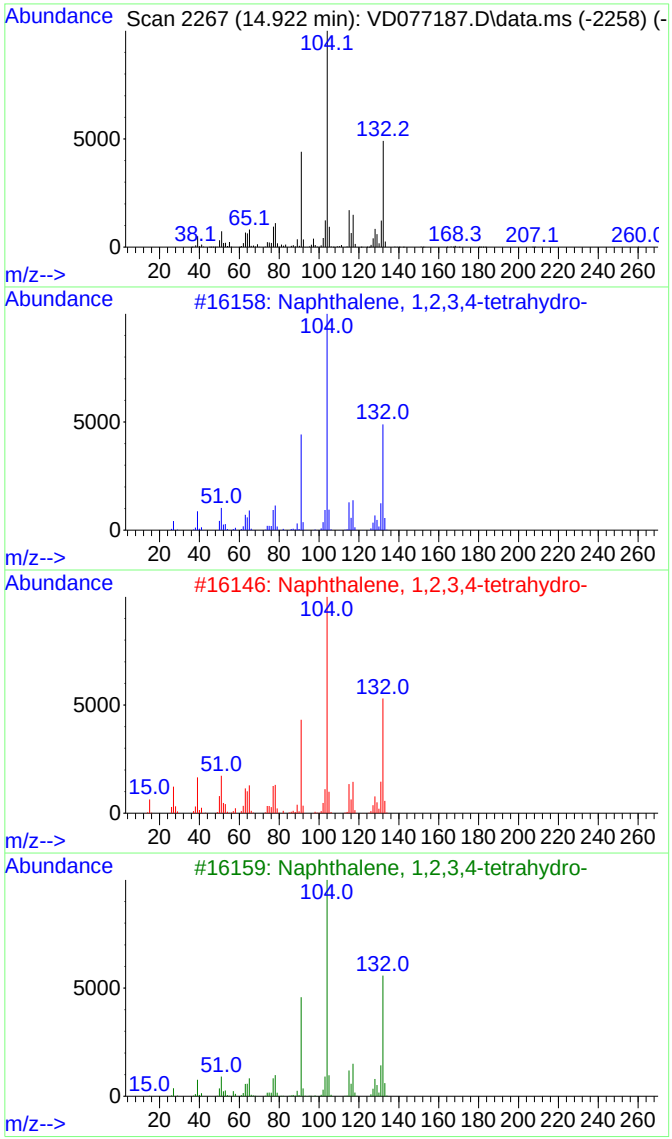
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

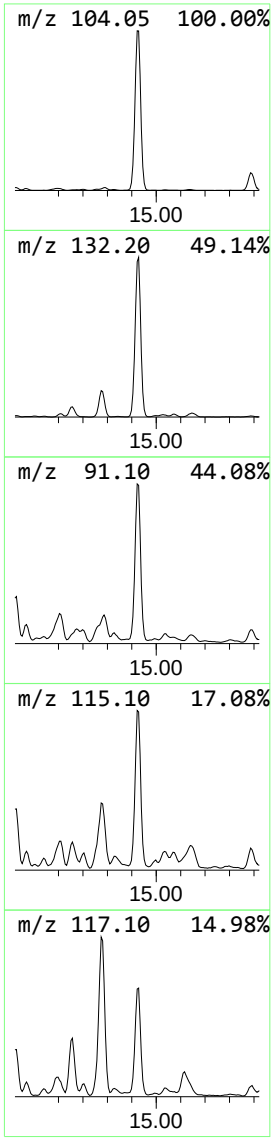
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.922	55.89 ug/L	23403400	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

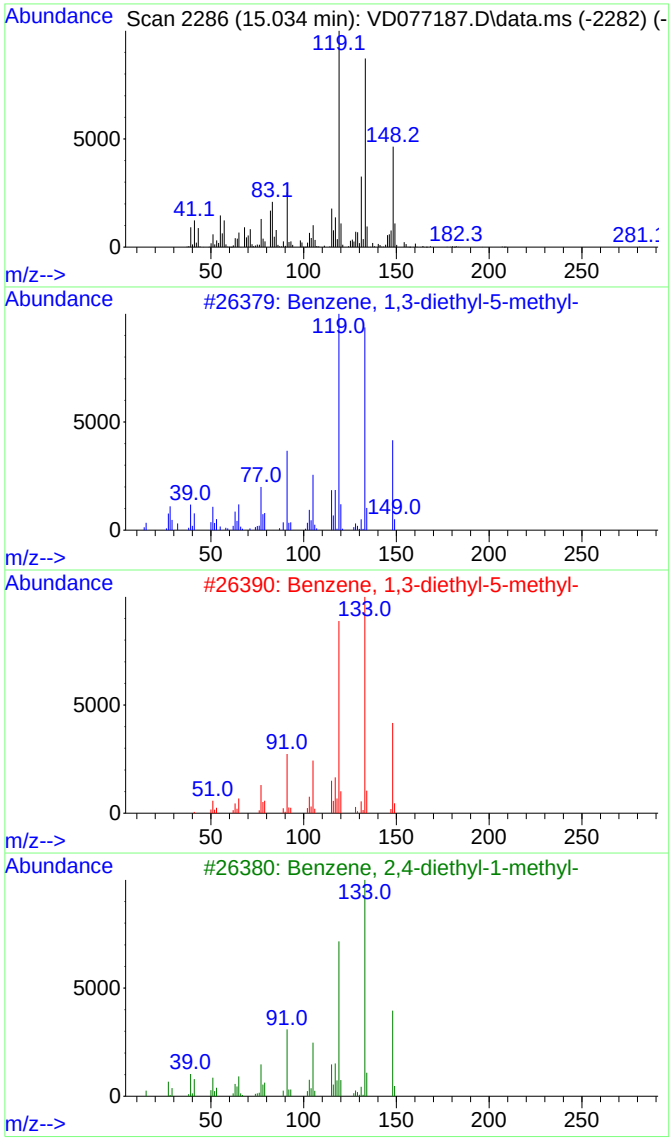
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

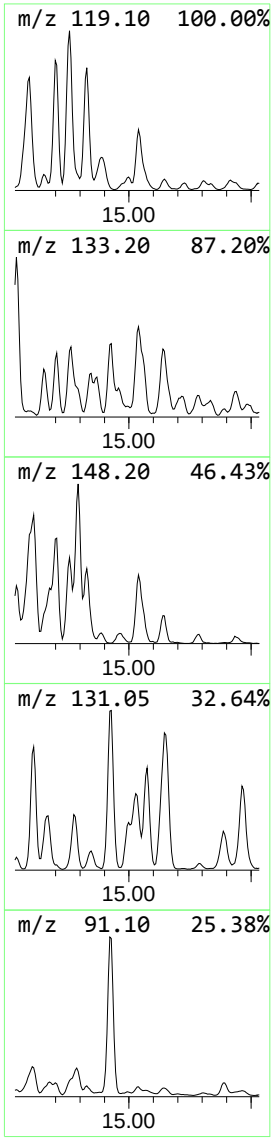
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.034	4.59 ug/L	1921630	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	70
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	58
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

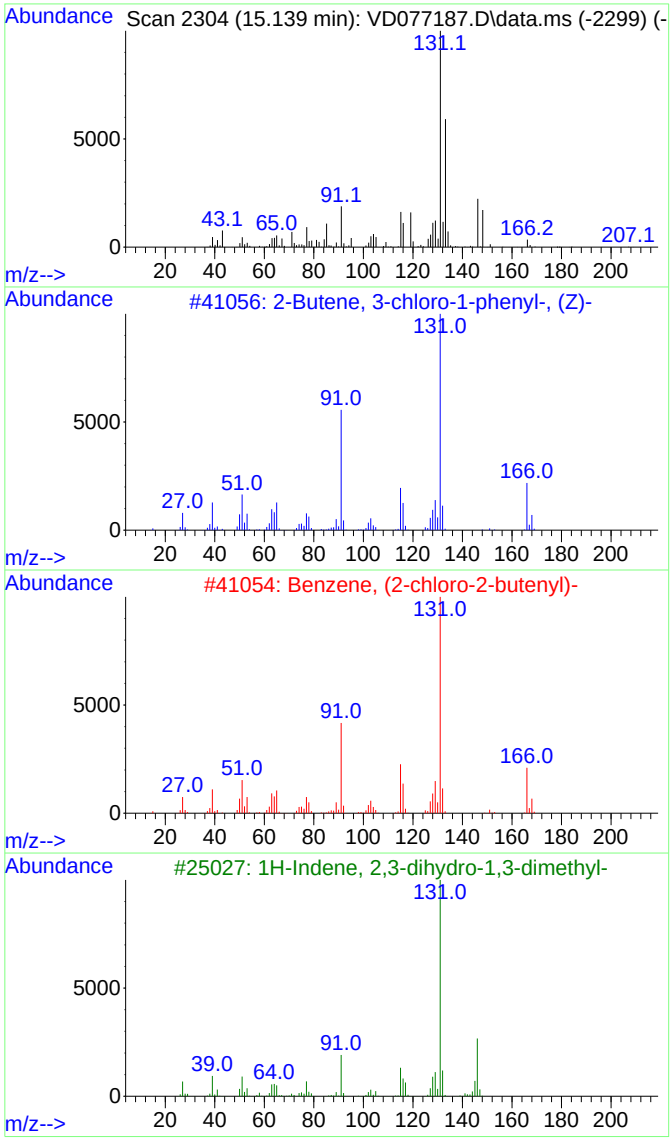
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

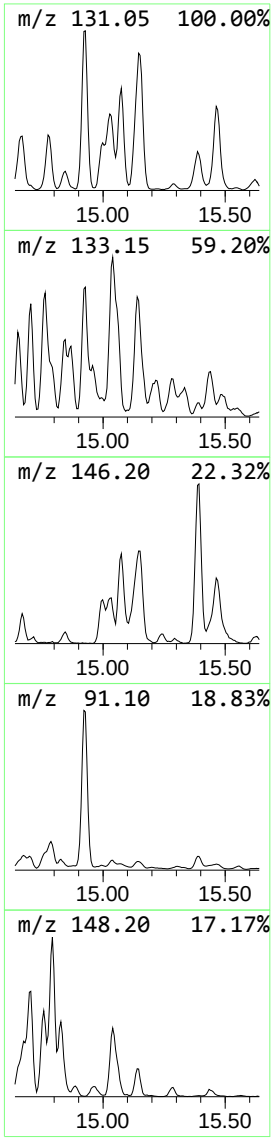
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 2-Butene, 3-chloro-1-phenyl... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	5.58 ug/L	2335870	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	70
2	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	70
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

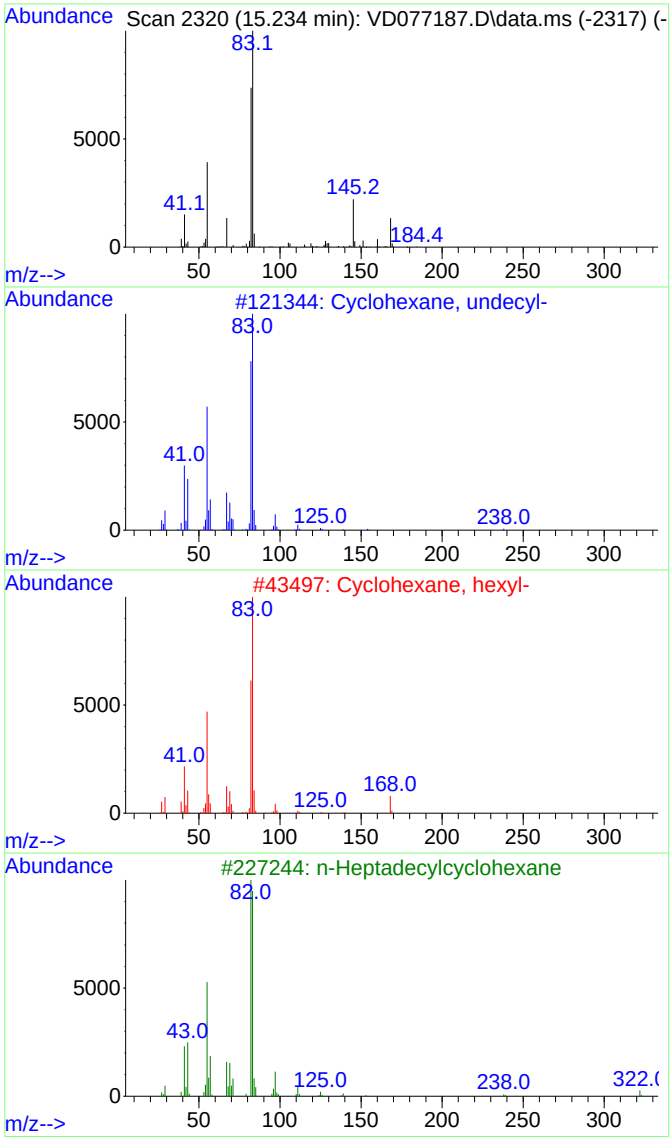
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

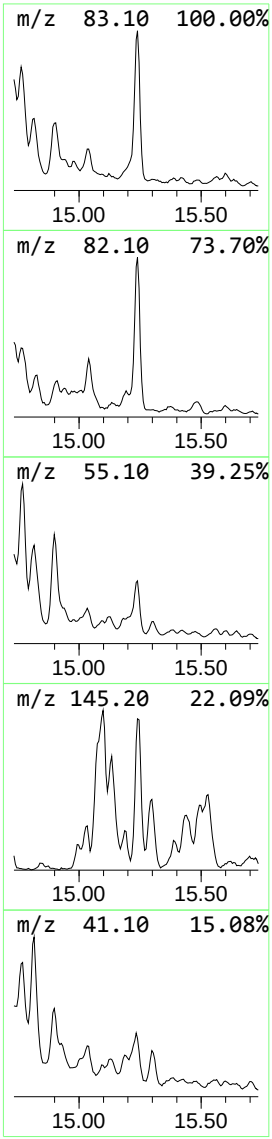
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Cyclic15.233 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	6.35 ug/L	2657290	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	56
3	n-Heptadecylcyclohexane	322	C23H46	019781-73-8	50
4	n-Heptadecylcyclohexane	322	C23H46	019781-73-8	50
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

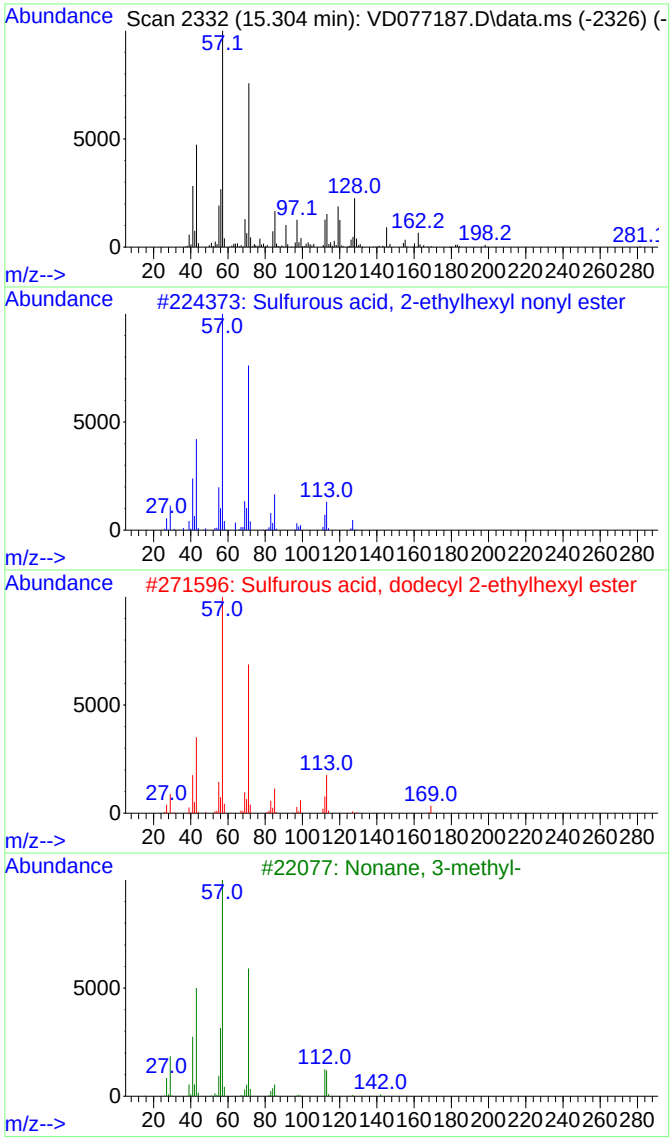
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

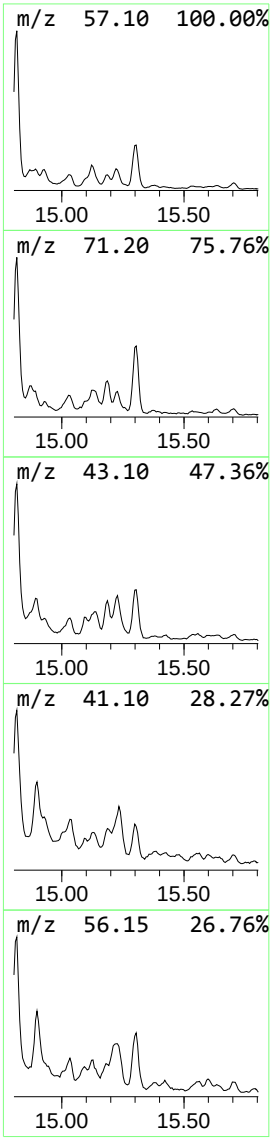
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Sulfurous acid, 2-ethylhexy... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	4.70 ug/L	1969610	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	58
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	50
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50
5	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

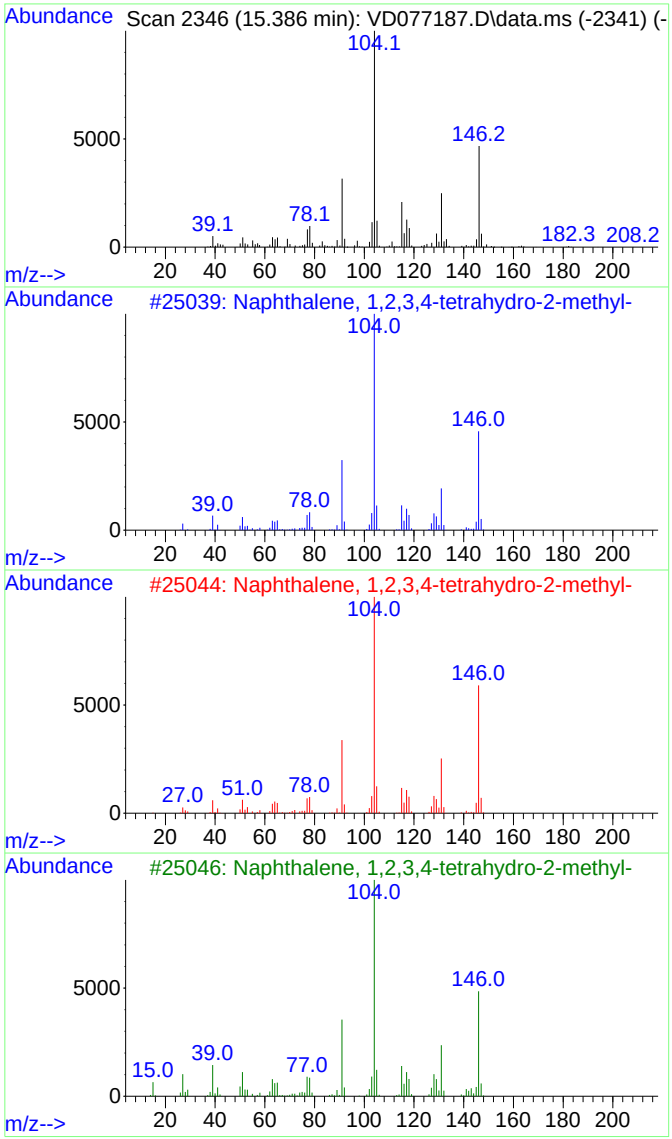
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

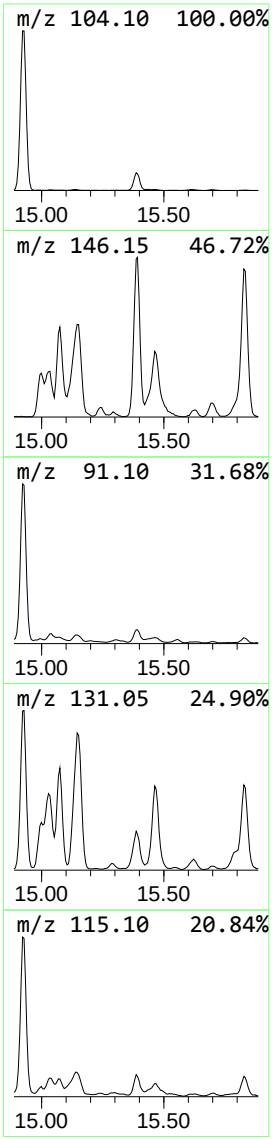
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.387	4.88 ug/L	2041820	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

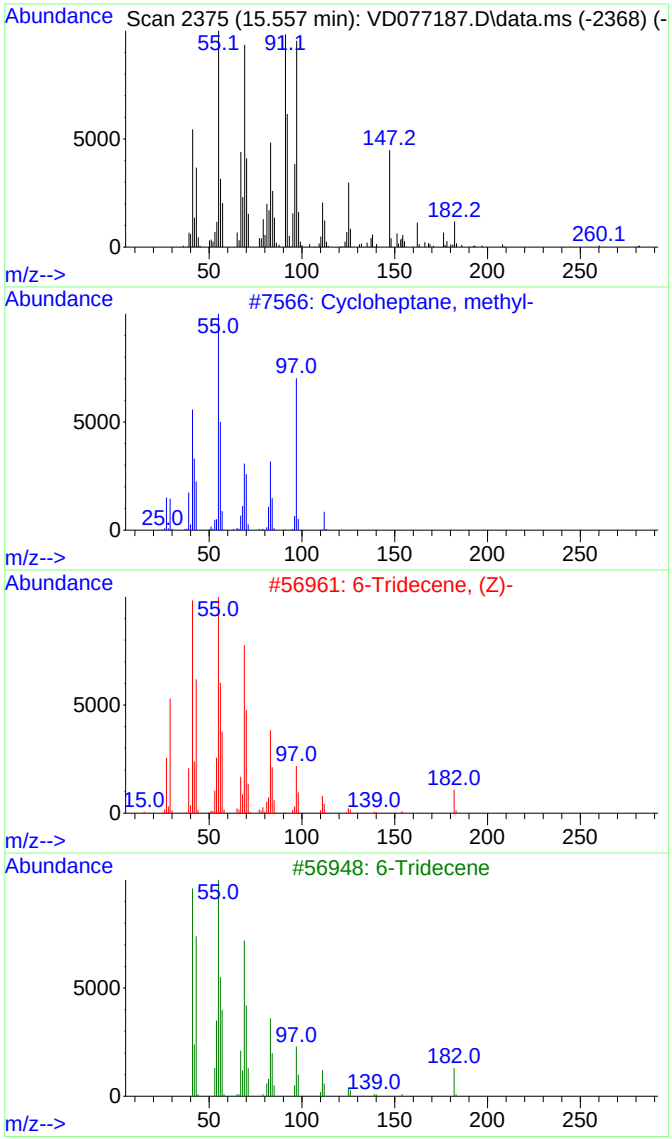
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

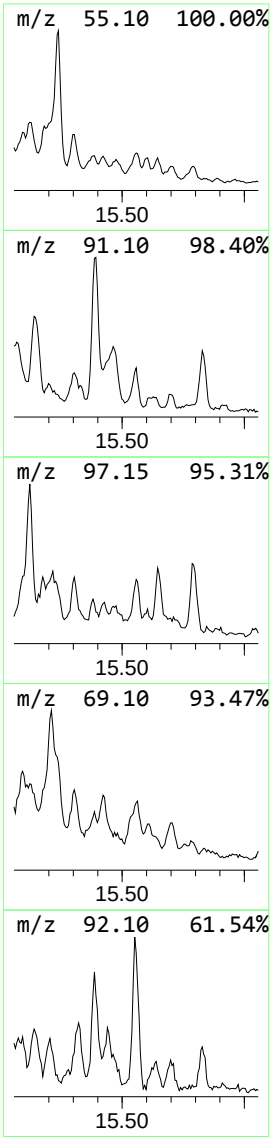
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 (DEL) Alkane: Cyclic15.557 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.557	1.87 ug/L	782981	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	41
2	6-Tridecene, (Z)-	182	C13H26	006508-77-6	38
3	6-Tridecene	182	C13H26	024949-38-0	38
4	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	38
5	Cyclohexanone, 5-(1-hydroxy-2-pr...	182	C11H18O2	141033-66-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

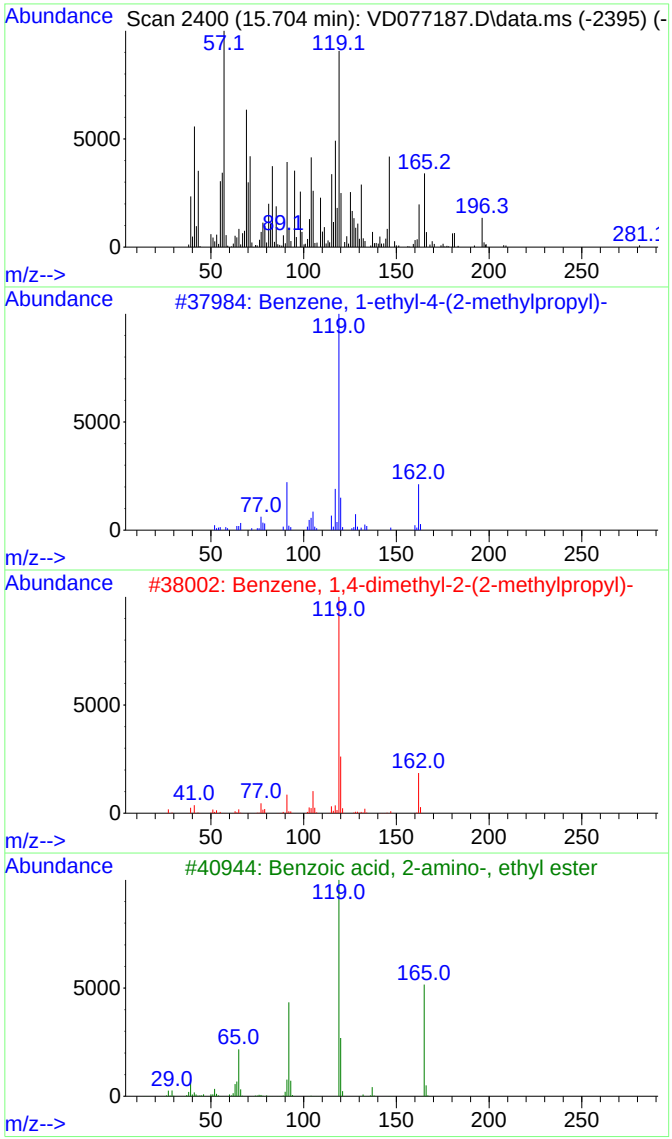
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

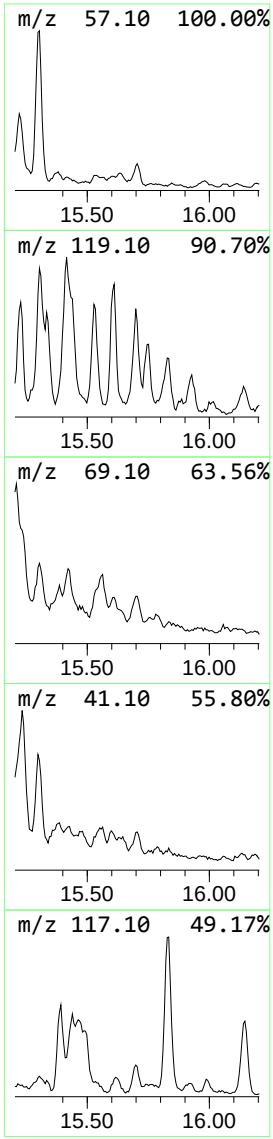
****

Peak Number 62 unknown-07 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.704	1.83 ug/L	767707	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	27
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	27
3	Benzoic acid, 2-amino-, ethyl ester	165	C9H11NO2	000087-25-2	25
4	Butyric acid, 2-phenyl-, dec-2-y...	304	C20H32O2	1000406-86-4	22
5	Benzoic acid, 2-amino-, ethyl ester	165	C9H11NO2	000087-25-2	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

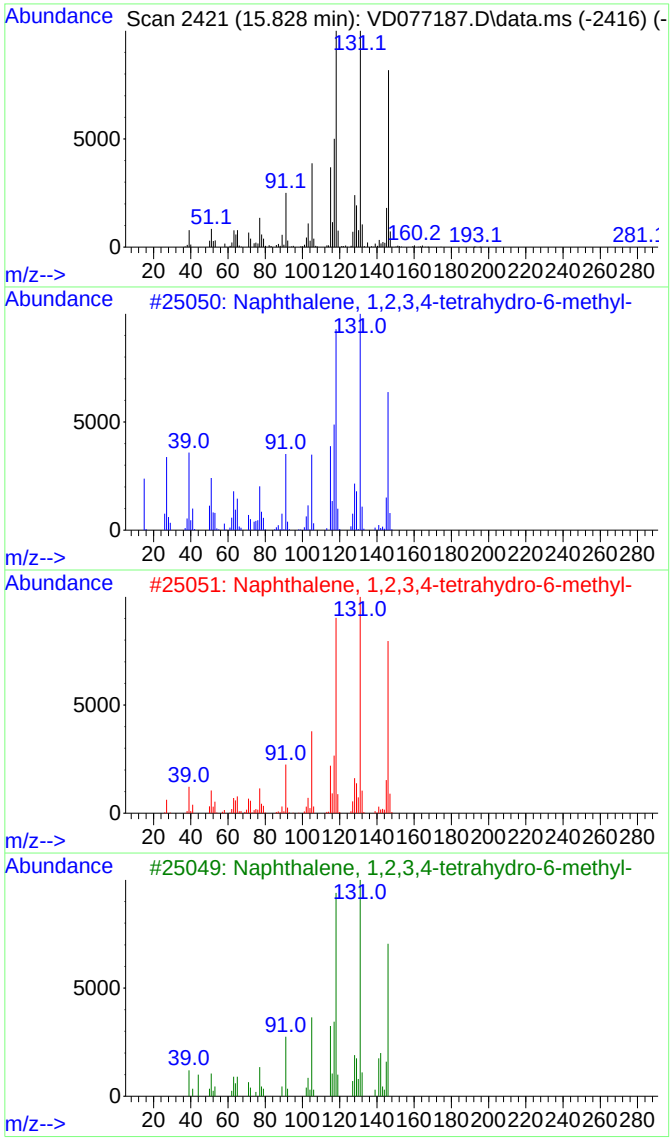
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

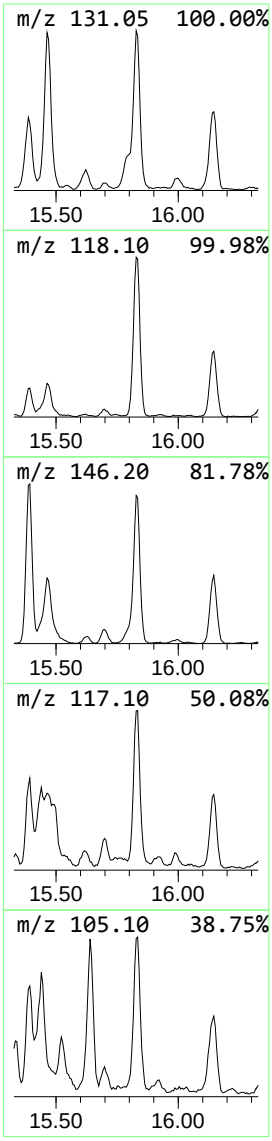
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.828	5.58 ug/L	2336430	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

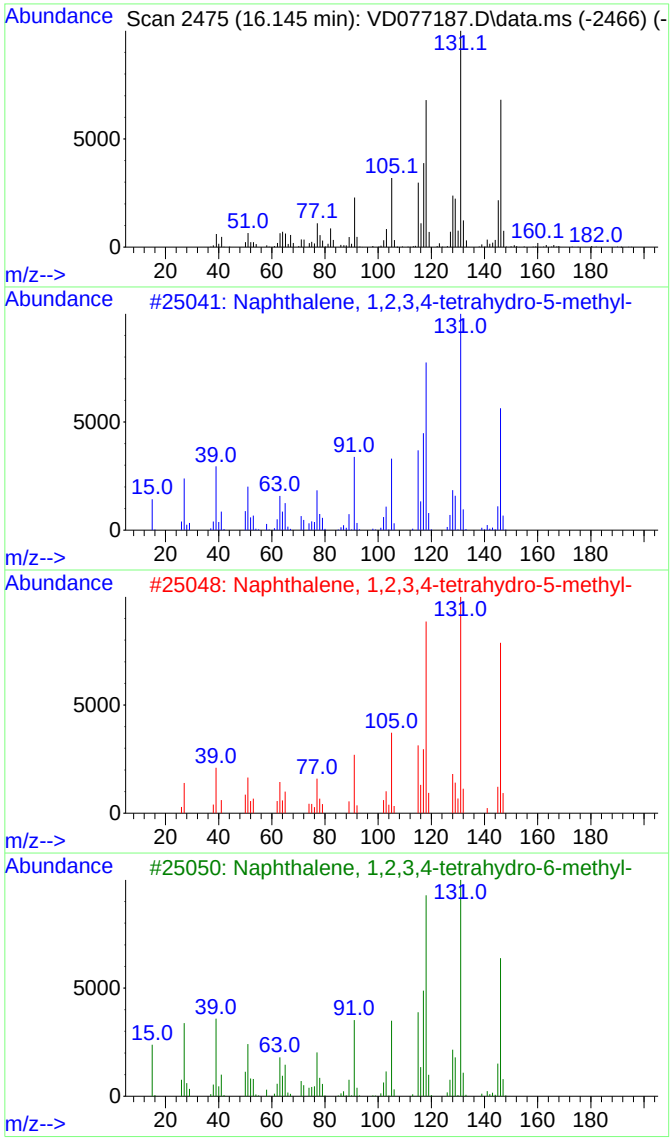
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0

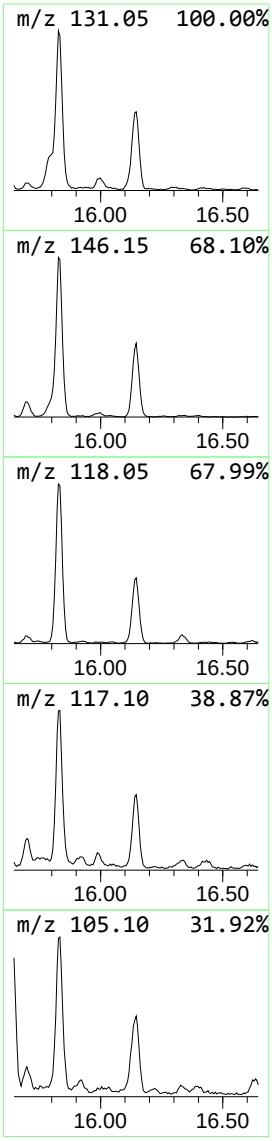
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.145	3.36 ug/L	1409120	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
Data File : VD077187.D
Acq On : 21 Sep 2023 18:10
Operator : JC/SY
Sample : 04527-08
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EZYK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.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...	2.105	6.3	ug/L	238087	1	8.775	947747	25.0
(DEL) Alkane: S...	2.940	9.9	ug/L	373800	1	8.775	947747	25.0
(DEL) Alkane: S...	3.305	5.2	ug/L	198514	1	8.775	947747	25.0
2-Ethyl-oxetane	5.834	8.3	ug/L	312765	1	8.775	947747	25.0
(DEL) Alkane: S...	8.087	6.6	ug/L	251486	1	8.775	947747	25.0
1,7-Diazabicycl...	8.534	5.9	ug/L	222888	1	8.775	947747	25.0
(DEL) Alkane: C...	9.457	5.3	ug/L	199336	1	8.775	947747	25.0
Hexane, 1-(hexy...	10.046	7.7	ug/L	291403	1	8.775	947747	25.0
unknown-01	10.457	15.0	ug/L	505096	2	11.581	842712	25.0
(DEL) Alkane: C...	10.610	16.3	ug/L	550247	2	11.581	842712	25.0
5,5-Dimethyl-1,...	10.698	20.3	ug/L	685447	2	11.581	842712	25.0
(DEL) Alkane: S...	10.799	6.0	ug/L	201273	2	11.581	842712	25.0
(DEL) Alkane: S...	10.993	18.2	ug/L	613909	2	11.581	842712	25.0
(DEL) Alkane: C...	11.057	24.3	ug/L	819337	2	11.581	842712	25.0
(DEL) Alkane: C...	11.128	79.6	ug/L	2683820	2	11.581	842712	25.0
(DEL) Alkane: C...	11.181	48.1	ug/L	1622820	2	11.581	842712	25.0
(DEL) Alkane: C...	11.234	5.3	ug/L	180086	2	11.581	842712	25.0
(DEL) Alkane: S...	11.293	33.0	ug/L	1113110	2	11.581	842712	25.0
(DEL) Alkane: S...	11.363	137.1	ug/L	4620390	2	11.581	842712	25.0
(DEL) Alkane: S...	11.469	90.7	ug/L	3056610	2	11.581	842712	25.0
(DEL) Alkane: C...	11.869	144.0	ug/L	4853630	2	11.581	842712	25.0
(DEL) Alkane: S...	11.934	25.3	ug/L	853884	2	11.581	842712	25.0
(DEL) Alkane: S...	12.022	43.3	ug/L	1459650	2	11.581	842712	25.0
(DEL) Alkane: S...	12.216	186.3	ug/L	6281440	2	11.581	842712	25.0
(DEL) Alkane: C...	12.257	43.3	ug/L	1461000	2	11.581	842712	25.0
(DEL) Alkane: C...	12.334	1426.5	ug/L	48085100	2	11.581	842712	25.0
(DEL) Alkane: S...	12.504	502.3	ug/L	16932000	2	11.581	842712	25.0
(DEL) Alkane: S...	12.587	5.4	ug/L	2264410	3	13.516	10469100	25.0
(DEL) Alkane: C...	12.704	1.3	ug/L	559253	3	13.516	10469100	25.0
unknown-02	12.740	24.9	ug/L	10449000	3	13.516	10469100	25.0
(DEL) Alkane: C...	12.822	11.7	ug/L	4898020	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.045	18.9	ug/L	7903470	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.081	25.1	ug/L	10517500	3	13.516	10469100	25.0
(DEL) Alkane: S...	13.134	49.7	ug/L	20819900	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.339	24.8	ug/L	10367200	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.416	114.8	ug/L	48064700	3	13.516	10469100	25.0
(DEL) Alkane: S...	13.451	23.5	ug/L	9858370	3	13.516	10469100	25.0
(DEL) Alkane: S...	13.592	8.9	ug/L	3720260	3	13.516	10469100	25.0
Benzene, 1,3-di...	13.681	19.5	ug/L	8167420	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.763	11.6	ug/L	4862790	3	13.516	10469100	25.0
(DEL) Alkane: C...	13.887	20.2	ug/L	8441700	3	13.516	10469100	25.0
Benzene, 1-meth...	13.916	9.1	ug/L	3821540	3	13.516	10469100	25.0
Benzene, 2-ethy...	13.975	10.4	ug/L	4373010	3	13.516	10469100	25.0
Sulfurous acid,...	14.028	46.6	ug/L	19533500	3	13.516	10469100	25.0
Benzene, 4-ethy...	14.063	31.4	ug/L	13138900	3	13.516	10469100	25.0
Benzene, (1-met...	14.169	28.0	ug/L	11721600	3	13.516	10469100	25.0
unknown-03	14.234	18.4	ug/L	7693690	3	13.516	10469100	25.0
(DEL) Alkane: C...	14.357	131.7	ug/L	55147700	3	13.516	10469100	25.0
o-Cymene	14.428	24.7	ug/L	10342700	3	13.516	10469100	25.0
unknown-04	14.469	10.9	ug/L	4563500	3	13.516	10469100	25.0
trans-Decalin, ...	14.516	10.2	ug/L	4253190	3	13.516	10469100	25.0
unknown-05	14.604	15.7	ug/L	6585050	3	13.516	10469100	25.0

unknown-06	14.704	8.4	ug/L	3499180	3	13.516	10469100	25.0
Benzene, (1-met...	14.775	24.8	ug/L	10364900	3	13.516	10469100	25.0
Naphthalene, 1,...	14.922	55.9	ug/L	23403400	3	13.516	10469100	25.0
Benzene, 1,3-di...	15.034	4.6	ug/L	1921630	3	13.516	10469100	25.0
2-Butene, 3-chl...	15.139	5.6	ug/L	2335870	3	13.516	10469100	25.0
(DEL) Alkane: C...	15.233	6.3	ug/L	2657290	3	13.516	10469100	25.0
Sulfurous acid,...	15.304	4.7	ug/L	1969610	3	13.516	10469100	25.0
Naphthalene, 1,...	15.387	4.9	ug/L	2041820	3	13.516	10469100	25.0
(DEL) Alkane: C...	15.557	1.9	ug/L	782981	3	13.516	10469100	25.0
unknown-07	15.704	1.8	ug/L	767707	3	13.516	10469100	25.0
Naphthalene, 1,...	15.828	5.6	ug/L	2336430	3	13.516	10469100	25.0
Naphthalene, 1,...	16.145	3.4	ug/L	1409120	3	13.516	10469100	25.0

Instrument :
MSVOA_D
ClientSampleId :
EZYK7