LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

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\SFAMDLM061523SMA.M
Title : SFAM01.0

Signal : TIC: VD076657.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	14	26	37	rBV	740524	1327761	36.39%	4.746%
2	1.887	46	51	61	rVB	49585	66683	1.83%	0.238%
3	2.146	93	95	96	rBV	2194	1509	0.04%	0.005%
4	2.193	101	103	104	rVB	2564	1370	0.04%	0.005%
5	2.281	111	118	127	rVB2	471621	744102	20.39%	2.660%
6	2.340	127	128	130	rBV	2395	1293	0.04%	0.005%
7	2.423	139	142	144	rVB3	4597	5458	0.15%	0.020%
8	2.717	190	192	194	rBV	2112	1719	0.05%	0.006%
9	2.740	194	196	197	rVV2	1757	1206	0.03%	0.004%
10	2.799	200	206	214	rVB	65412	131233	3.60%	0.469%
11	2.899	221	223	225	rVB2	2382	1348	0.04%	0.005%
12	2.923	225	227	229	rBV3	3080	3541	0.10%	0.013%
13	3.293	285	290	297	rVV5	2851	7200	0.20%	0.026%
14	3.558	331	335	339	rBV2	1349	1809	0.05%	0.006%
15	3.687	348	357	368	rVB2	64149	178239	4.89%	0.637%
16	3.764	368	370	372	rVB2	2173	1426	0.04%	0.005%
17	3.958	385	403	424	rBV4	296098	1176967	32.26%	4.207%
18	4.105	426	428	433	rVB3	1975	2468	0.07%	0.009%
19	4.258	445	454	467	rBV2	10617	33141	0.91%	0.118%
20	4.799	536	546	548	rBV5	8539	20291	0.56%	0.073%
21	5.234	617	620	623	rBV2	2049	1803	0.05%	0.006%
22	5.317	623	634	645	rBV4	23240	76524	2.10%	0.274%
23	5.458	652	658	661	rBV2	1155	2451	0.07%	0.009%
24	5.616	682	685	688	rBV2	1015	1265	0.03%	0.005%
25	5.669	691	694	696	rBV3	1207	1651	0.05%	0.006%
26	5.834	714	722	732	rBV6	10149	31061	0.85%	0.111%
27	6.105	755	768	784	rBV2	142214	448609	12.30%	1.604%
28	6.605	849	853	863	rBV6	1949	4842	0.13%	0.017%
29	6.746	873	877	878	rBV2	2135	1801	0.05%	0.006%
30	6.887	897	901	903	rVV2	1402	1906	0.05%	0.007%
31	6.981	909	917	923	rVV2	30875	87924	2.41%	0.314%
32	7.081	923	934	946	rVV	1030130	2813427	77.11%	10.057%
33	7.163	946	948	952	rVV4	4627	7396	0.20%	0.026%
34	7.569	1004	1017	1034	rBV	115079	310208	8.50%	1.109%
35	7.699	1038	1039	1042	rBV2	2005	1274	0.03%	0.005%
36	7.793	1042	1055	1076	rBV	854155	2270765	62.24%	8.117%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

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\SFAMDLM061523SMA.M
Title : SFAM01.0

37	7.963	1076	1084	1092	rVB6	13606	36976	1.01%	0.132%
38	8.081	1096	1104	1115	rVB4	27254	65128	1.79%	0.233%
39	8.205	1115	1125	1139	rBV3	203916	666602	18.27%	2.383%
40	8.322	1139	1145	1151	rBV4	23421	60496	1.66%	0.216%
41	8.416	1153	1161	1170	rVB2	180835	446337	12.23%	1.596%
42	8.634	1190	1198	1206	rBV2	22056	44261	1.21%	0.158%
43	8.775	1212	1222	1230	rBV	243452	501819	13.75%	1.794%
44	8.969	1252	1255	1256	rBV	1816	1759	0.05%	0.006%
45	9.028	1256	1265	1272	rBV	346071	708698	19.42%	2.533%
46	9.210	1288	1296	1303	rBV	156348	366125	10.03%	1.309%
47	9.328	1311	1316	1325	rVB2	35959	70053	1.92%	0.250%
48	9.405	1325	1329	1330	rBV2	3437	4448	0.12%	0.016%
49	9.446	1334	1336	1341	rVB5	2177	2921	0.08%	0.010%
50	9.522	1341	1349	1350	rBV2	23818	37416	1.03%	0.134%
51	9.699	1372	1379	1386	rVB3	36692	74864	2.05%	0.268%
52	9.846	1396	1404	1408	rBV2	31229	67980	1.86%	0.243%
53	9.905	1408	1414	1417	rBV2	28445	52933	1.45%	0.189%
54	9.975	1422	1426	1431	rVB2	68980	106593	2.92%	0.381%
55	10.046	1431	1438	1442	rBV3	36469	84520	2.32%	0.302%
56	10.152	1452	1456	1462	rBV5	9512	20218	0.55%	0.072%
57	10.269	1468	1476	1481	rBV	361123	724507	19.86%	2.590%
58	10.393	1492	1497	1500	rBV3	11014	20832	0.57%	0.074%
59	10.452	1500	1507	1514	rVB2	65874	150394	4.12%	0.538%
60	10.522	1514	1519	1524	rBV2	54674	100636	2.76%	0.360%
61	10.610	1529	1534	1542	rVB2	107710	189374	5.19%	0.677%
62	10.710	1544	1551	1556	rBV2	93915	180579	4.95%	0.646%
63	10.810	1561	1568	1575	rVV	760441	1328154	36.40%	4.748%
64	10.875	1575	1579	1587	rVB	130776	223945	6.14%	0.801%
65	10.969	1589	1595	1601	rBV8	9451	21767	0.60%	0.078%
66	11.063	1605	1611	1614	rVV2	64104	118705	3.25%	0.424%
67	11.128	1618	1622	1626	rVV2	103989	182117	4.99%	0.651%
68	11.181	1626	1631	1636	rVV2	247288	459880	12.60%	1.644%
69	11.234	1636	1640	1645	rVV2	79140	145760	4.00%	0.521%
70	11.287	1645	1649	1654	rVB4	37402	65036	1.78%	0.232%
71	11.387	1660	1666	1676	rVB2	158078	354603	9.72%	1.268%
72	11.475	1676	1681	1685	rBV4	12926	19141	0.52%	0.068%
73	11.510	1685	1687	1689	rBV3	3797	4063	0.11%	0.015%
74	11.581	1693	1699	1709	rBV	249938	459105	12.58%	1.641%
75	11.716	1717	1722	1726	rBV	111434	176642	4.84%	0.631%
76	11.769	1726	1731	1735	rVV3	76417	143887	3.94%	0.514%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

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\SFAMDLM061523SMA.M
Title : SFAM01.0

77	11.828	1735	1741	1755	rVB4	184201	591369	16.21%	2.114%
78	11.993	1762	1769	1778	rBV6	43362	91043	2.50%	0.325%
79	12.093	1778	1786	1793	rBV3	252917	604018	16.56%	2.159%
80	12.257	1809	1814	1816	rBV	78515	121971	3.34%	0.436%
81	12.293	1816	1820	1824	rVV2	128273	194631	5.33%	0.696%
82	12.340	1825	1828	1831	rVV2	48310	68439	1.88%	0.245%
83	12.510	1854	1857	1863	rVB4	63554	104102	2.85%	0.372%
84	12.575	1863	1868	1873	rVB6	31778	54584	1.50%	0.195%
85	12.651	1875	1881	1888	rBV2	203755	392299	10.75%	1.402%
86	12.734	1891	1895	1903	rVB3	145692	286819	7.86%	1.025%
87	12.822	1903	1910	1916	rBV8	53334	171765	4.71%	0.614%
88	12.904	1918	1924	1930	rVV5	103503	208989	5.73%	0.747%
89	13.040	1944	1947	1951	rVB4	66671	93930	2.57%	0.336%
90	13.098	1952	1957	1958	rBV3	46911	65155	1.79%	0.233%
91	13.128	1958	1962	1970	rVB	213570	382355	10.48%	1.367%
92	13.257	1981	1984	1988	rBV2	59844	80912	2.22%	0.289%
93	13.516	2025	2028	2036	rVB2	124132	206454	5.66%	0.738%
94	13.834	2075	2082	2088	rBV	2047194	3648524	100.00%	13.043%
95	14.104	2125	2128	2134	rVB	227705	340368	9.33%	1.217%
96	14.163	2134	2138	2142	rBV4	113430	174526	4.78%	0.624%
97	14.228	2144	2149	2155	rVB5	191892	353681	9.69%	1.264%
98	14.287	2156	2159	2162	rBV3	86067	105772	2.90%	0.378%
99	14.351	2165	2170	2176	rVB4	317327	624804	17.12%	2.234%
100	14.816	2245	2249	2256	rVB3	430035	746616	20.46%	2.669%

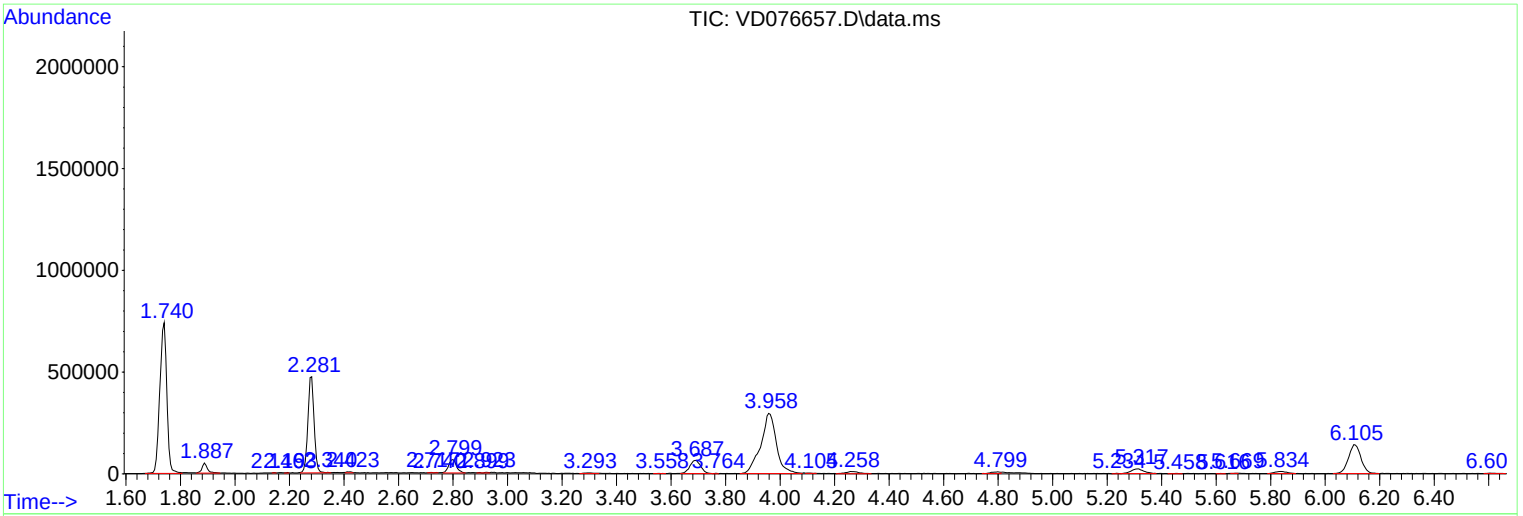
Sum of corrected areas: 27974071

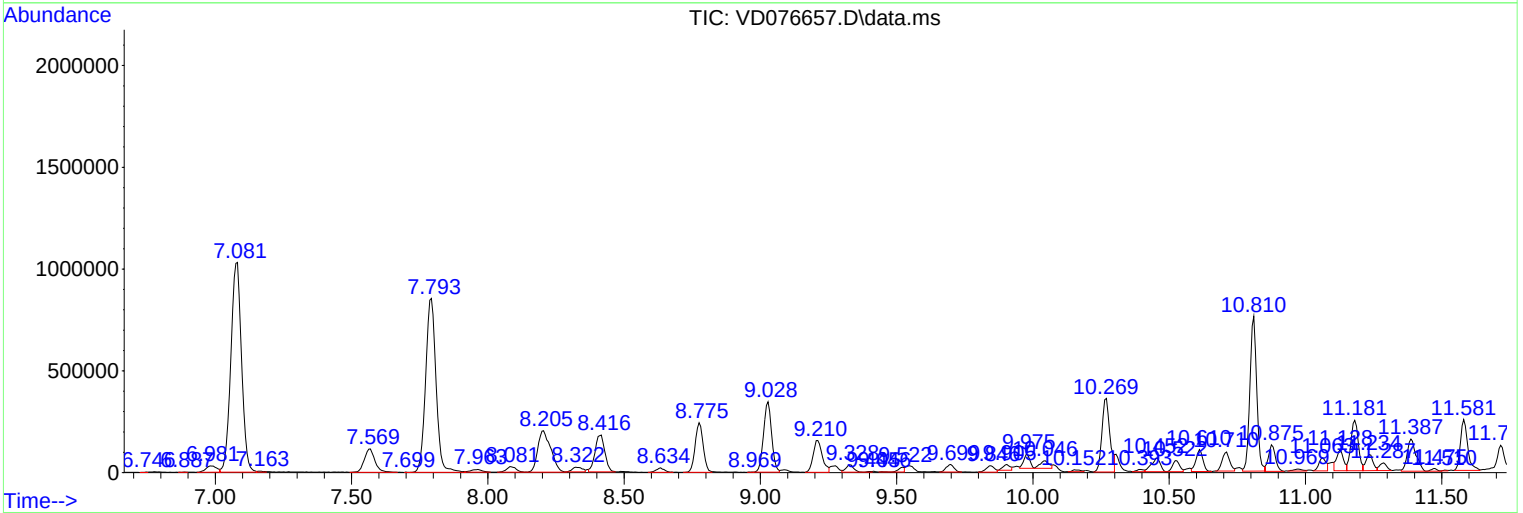
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

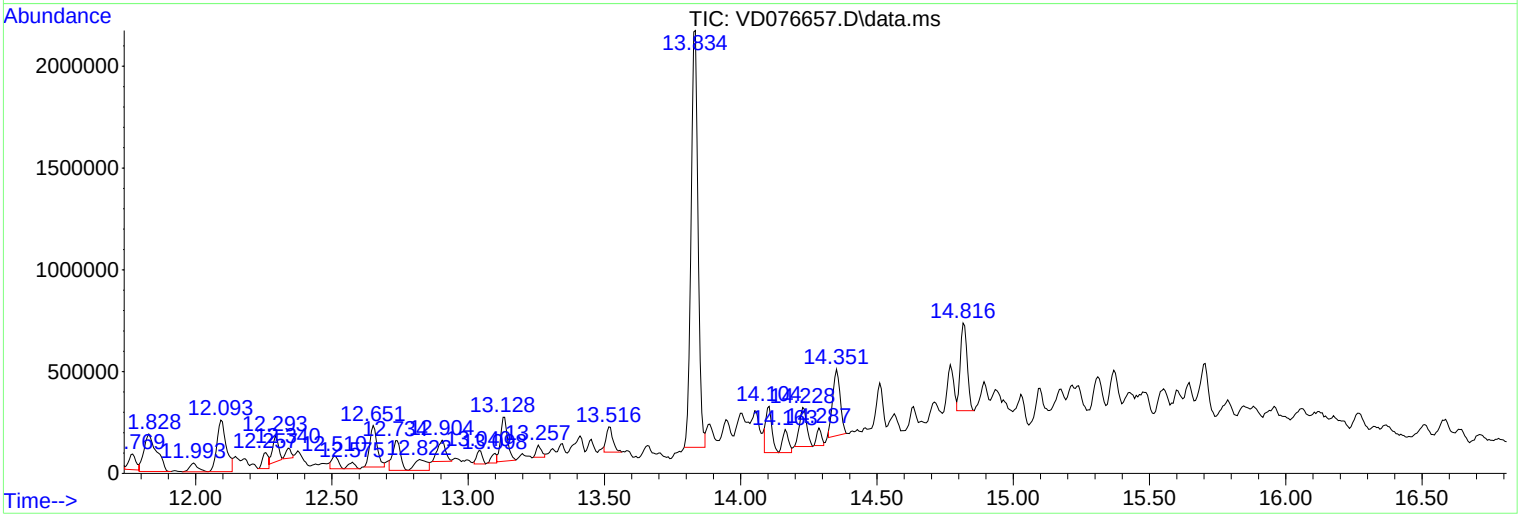
Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

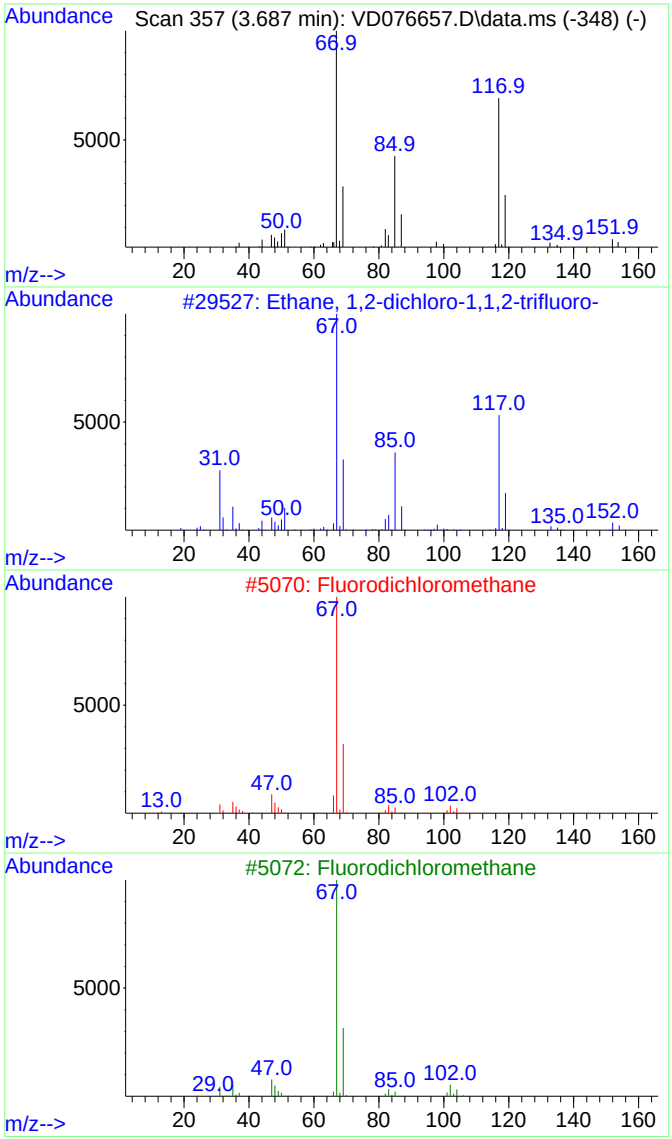
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

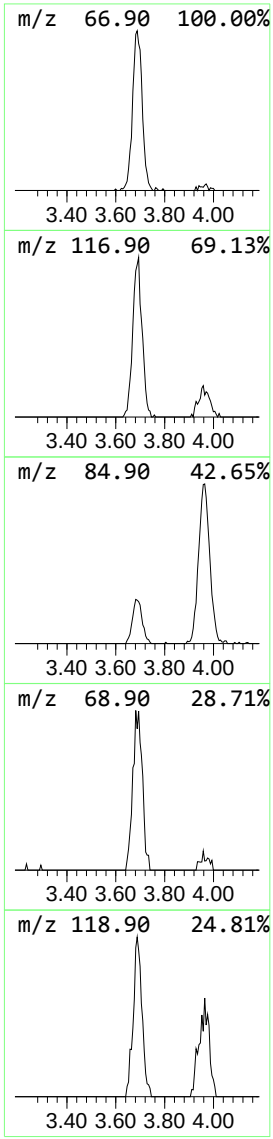
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethane, 1,2-dichloro-1,1,2-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.687	8.88 ug/L	178239	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-dichloro-1,1,2-trifl...	152	C2HCl2F3	000354-23-4	53
2	Fluorodichloromethane	102	CHCl2F	000075-43-4	25
3	Fluorodichloromethane	102	CHCl2F	000075-43-4	17
4	Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	062338-02-7	16
5	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

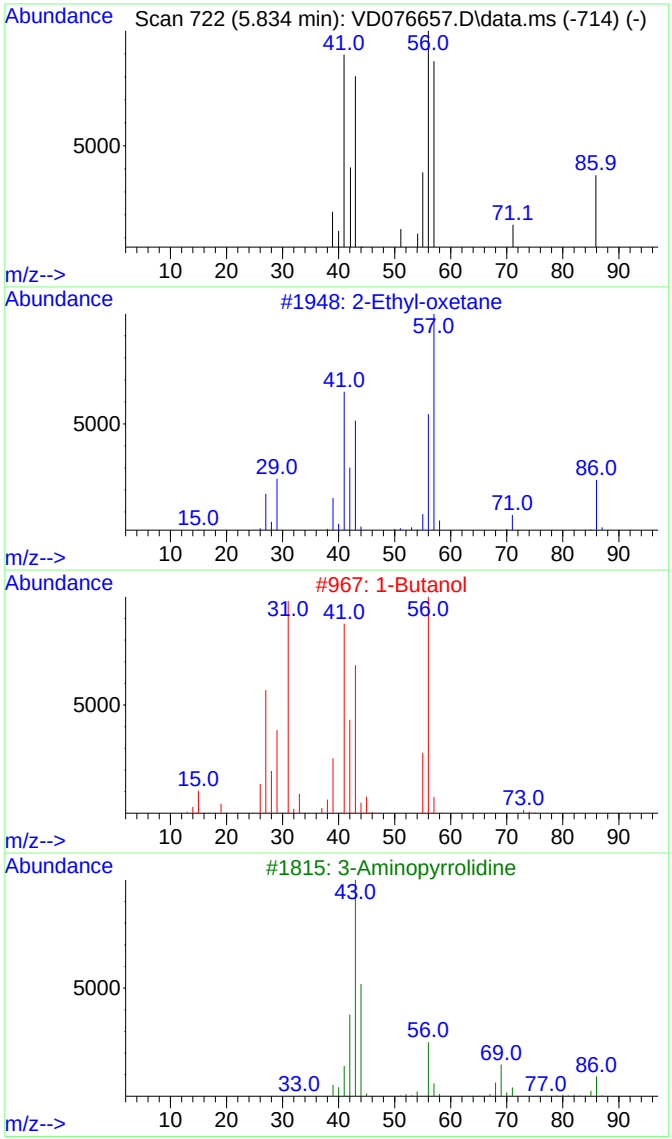
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

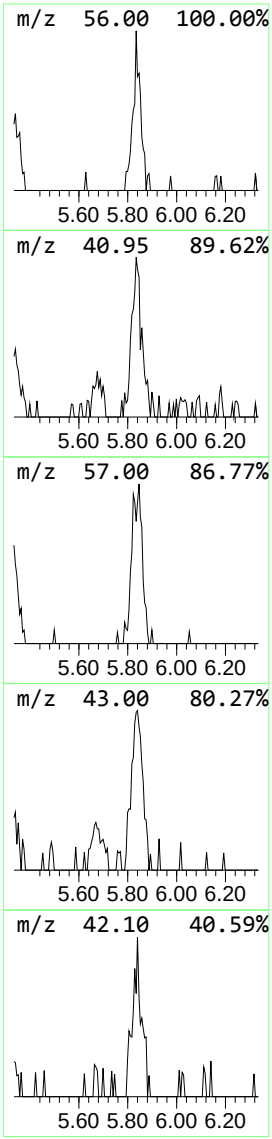
****

Peak Number 3 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.834	1.55 ug/L	31061	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	45
2	1-Butanol	74	C4H10O	000071-36-3	40
3	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	38
4	2-Propanone, methylhydrazone	86	C4H10N2	005771-02-8	37
5	1-Butanol	74	C4H10O	000071-36-3	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

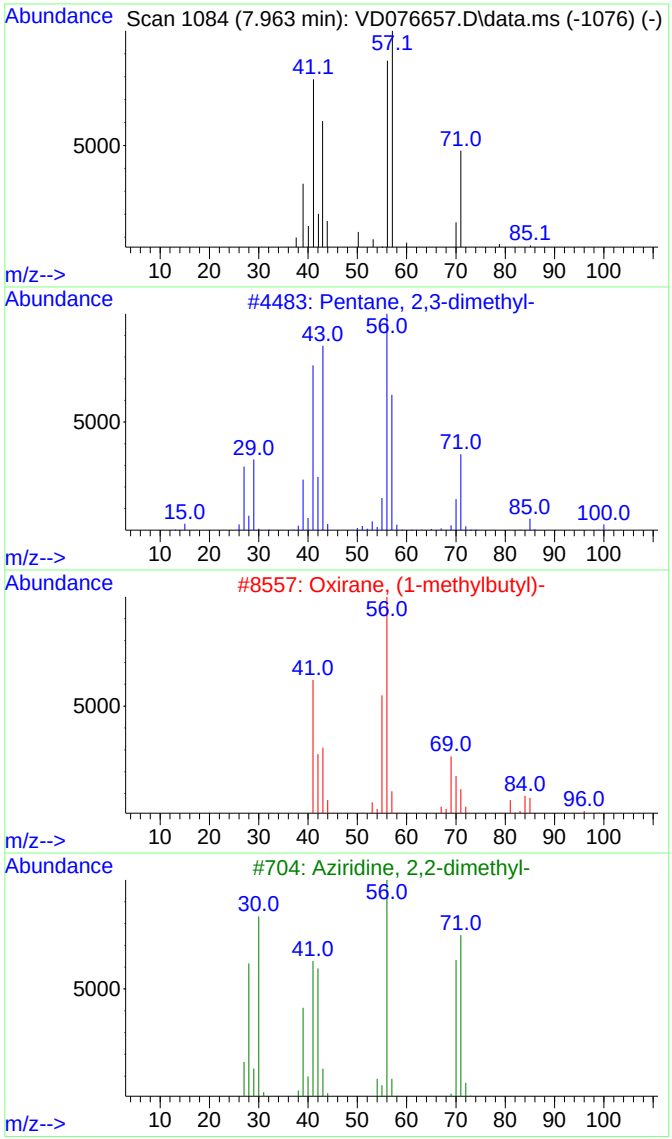
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

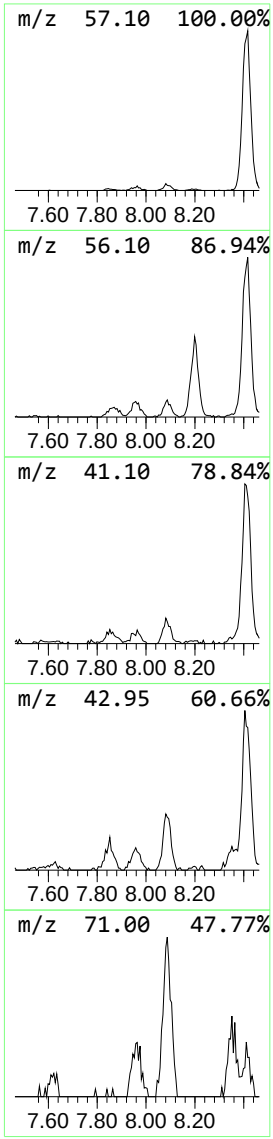
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.963	1.84 ug/L	36976	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	42
2	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	36
3	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	23
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	17
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

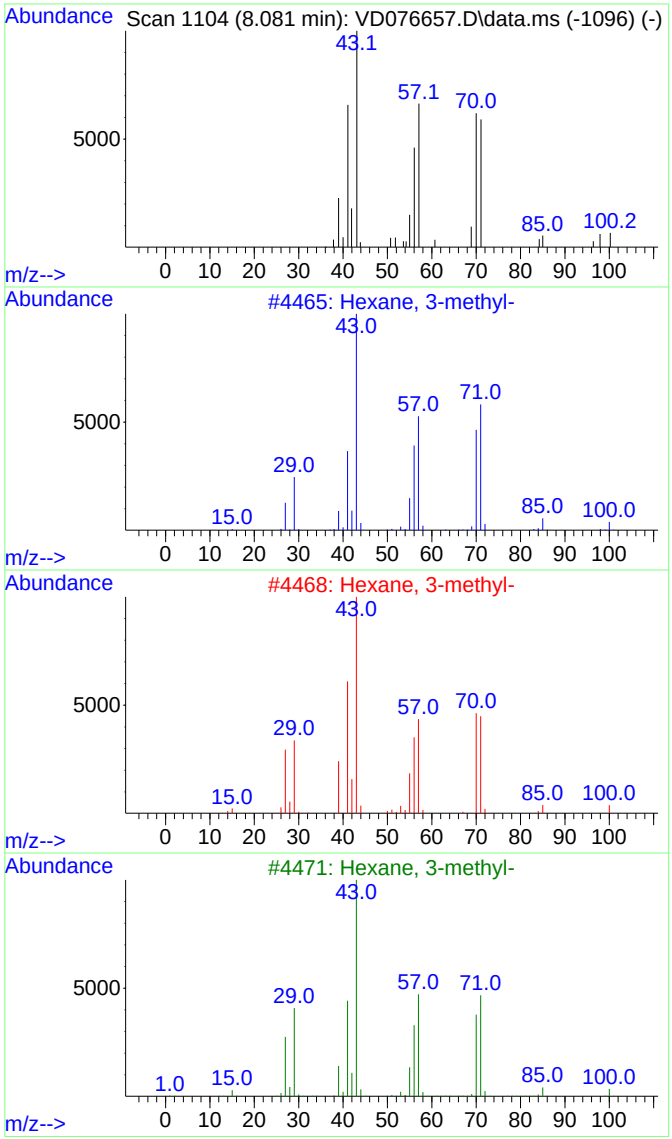
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

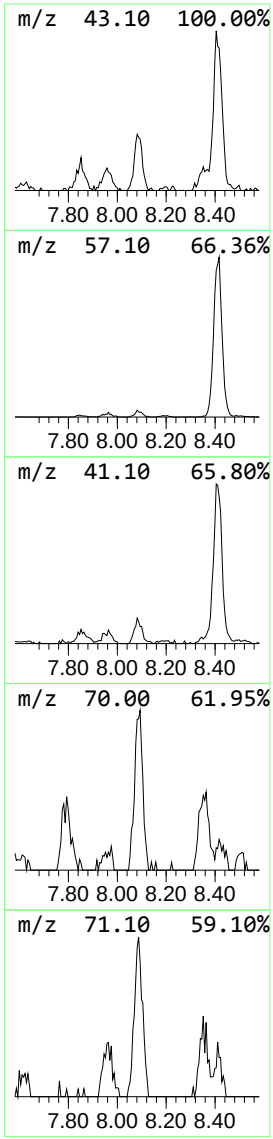
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.081	3.24 ug/L	65128	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Heptane	100	C7H16	000142-82-5	58
5	Heptane	100	C7H16	000142-82-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

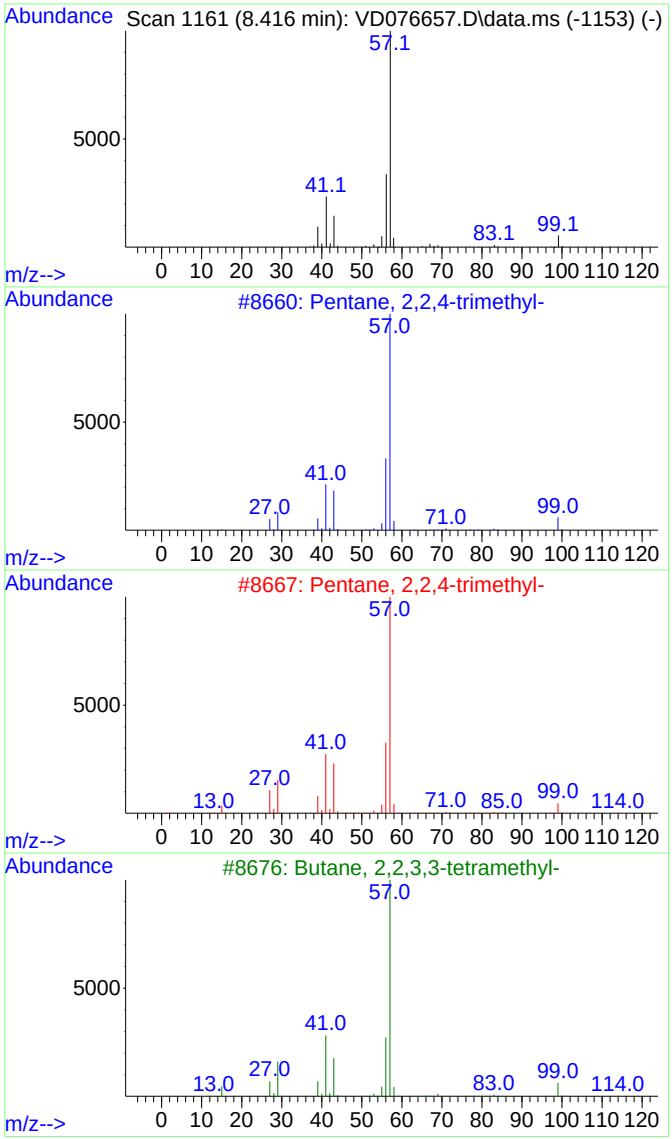
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

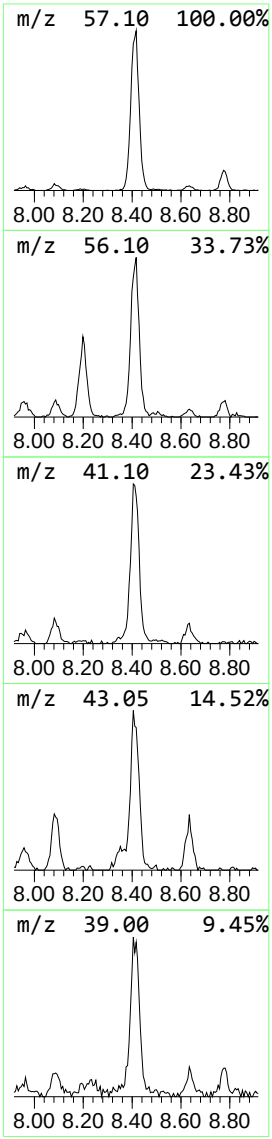
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.416	22.24 ug/L	446337	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

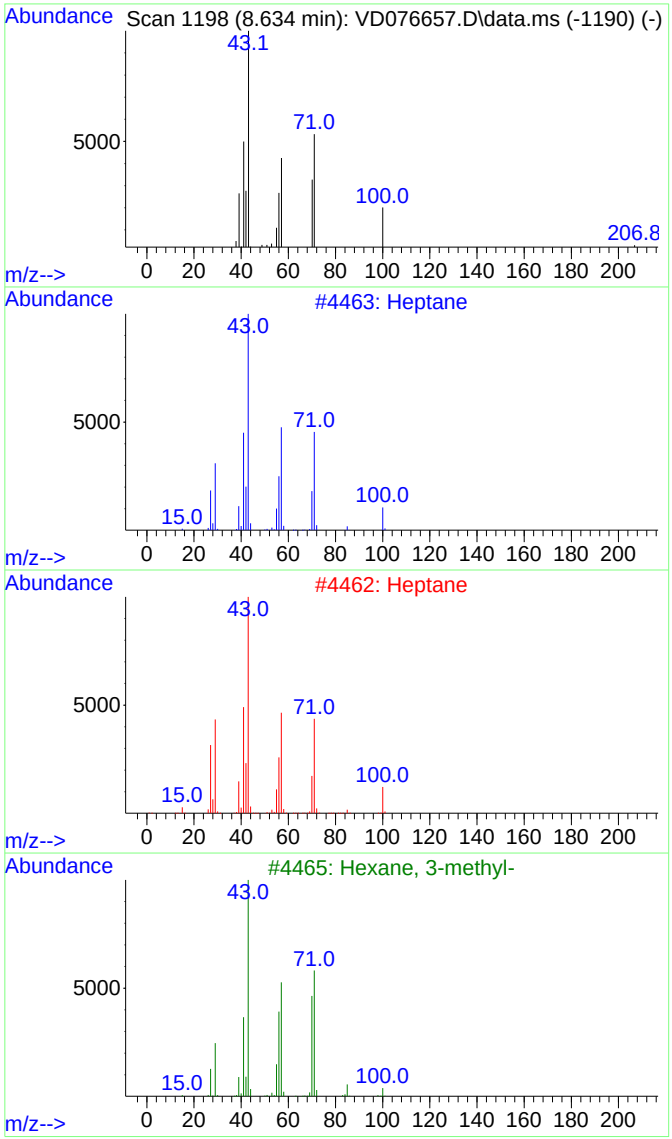
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

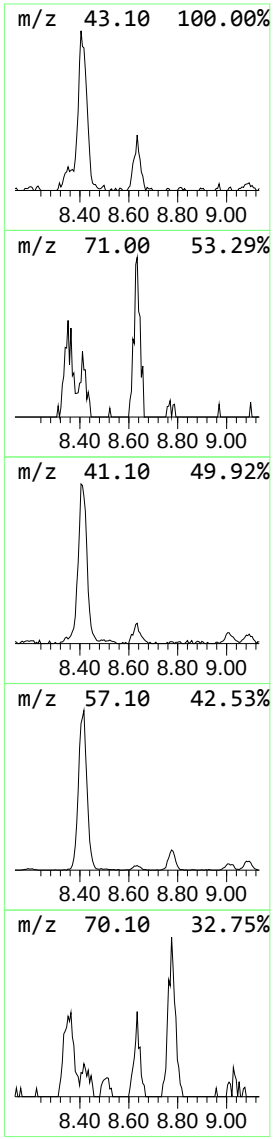
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.634	2.21 ug/L	44261	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	78
2	Heptane	100	C7H16	000142-82-5	64
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Heptane	100	C7H16	000142-82-5	50





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

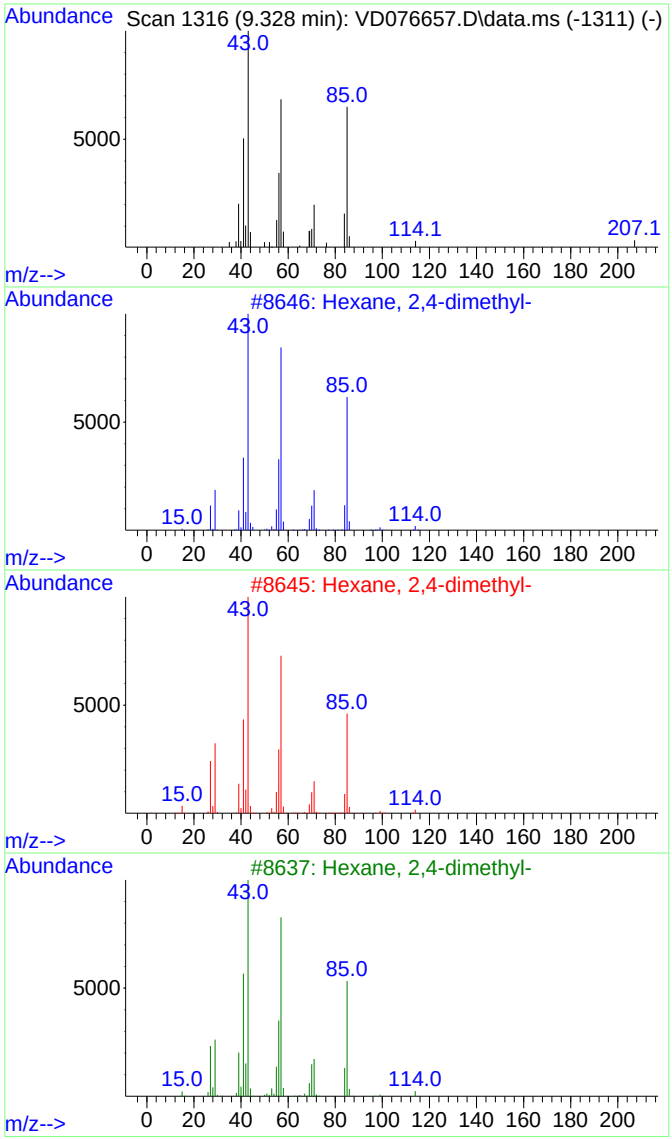
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

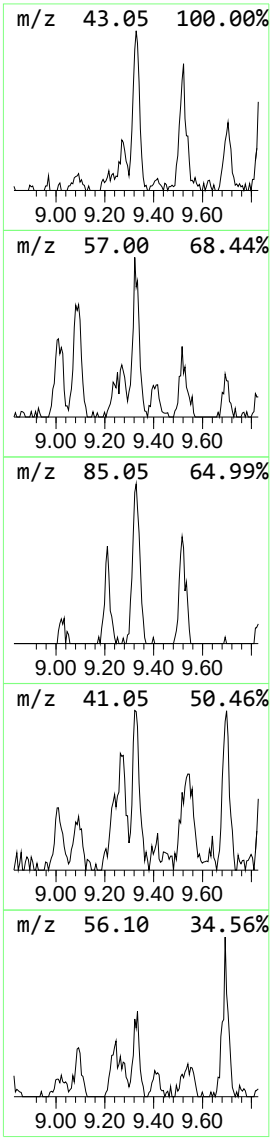
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	3.49 ug/L	70053	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	64





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

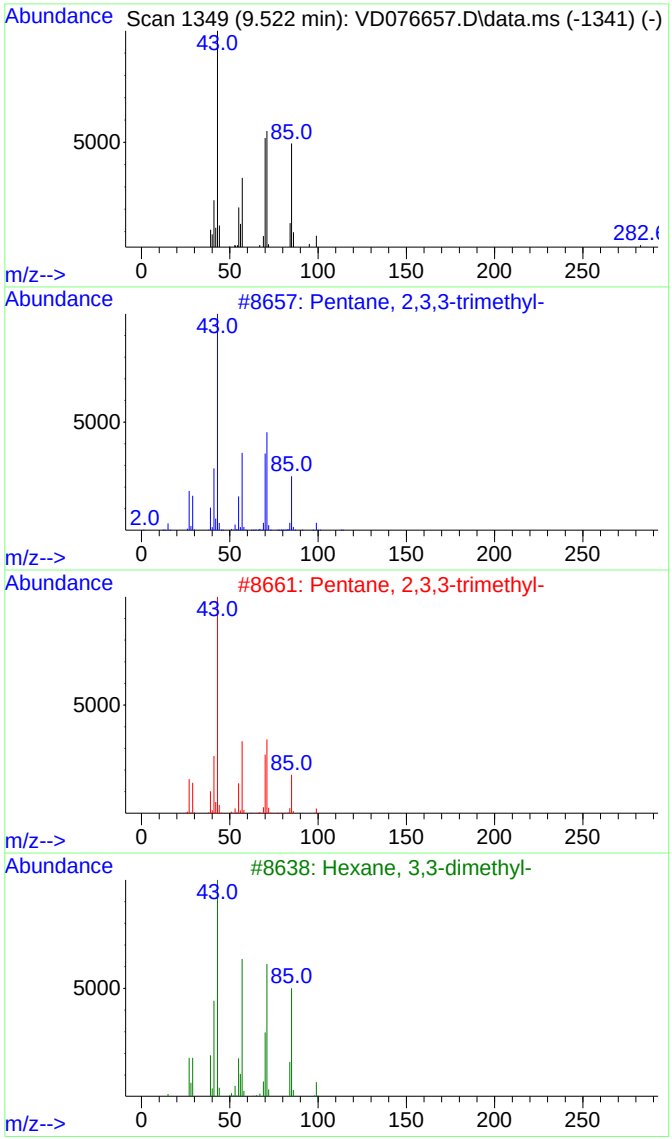
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

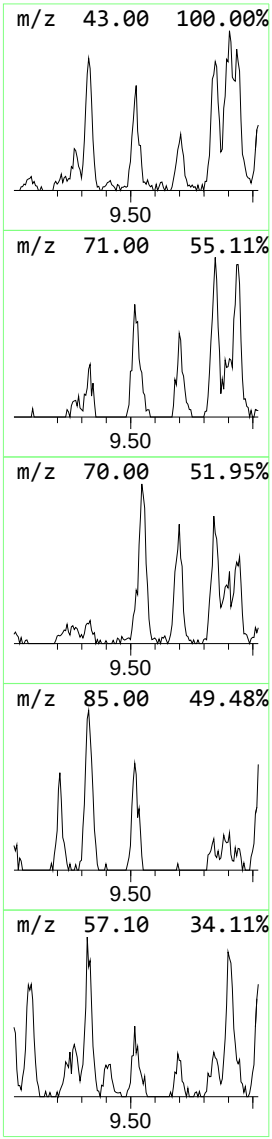
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	1.86 ug/L	37416	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	50
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

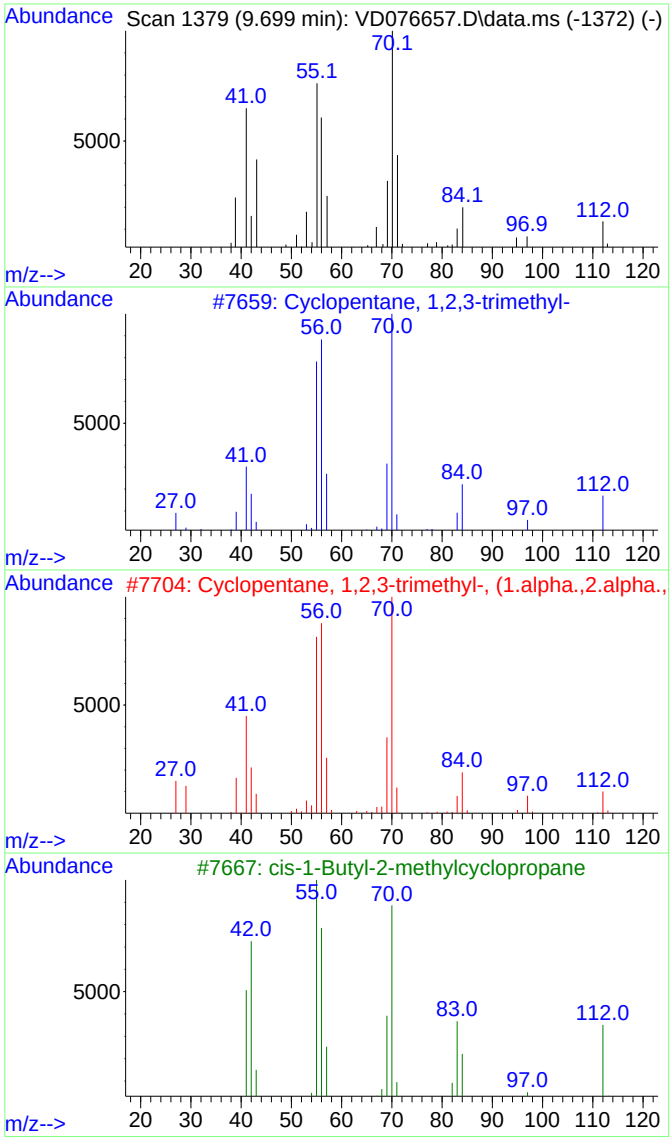
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

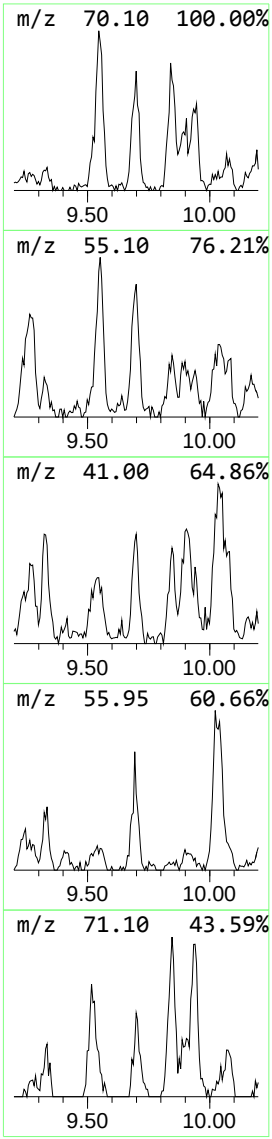
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic9.699 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.699	3.73 ug/L	74864	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	81
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	59
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	49
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

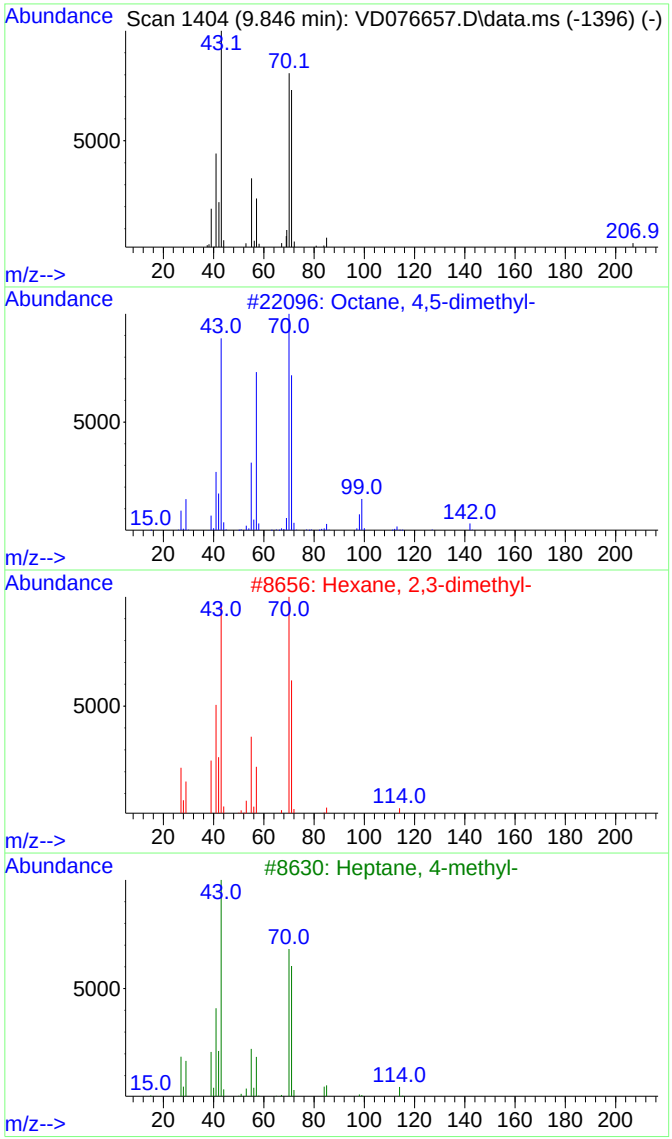
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

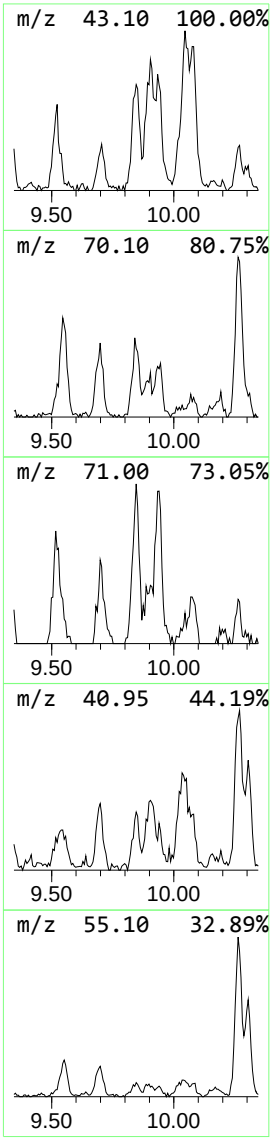
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.846	3.39 ug/L	67980	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
5	Pyrrolidine	71	C4H9N	000123-75-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

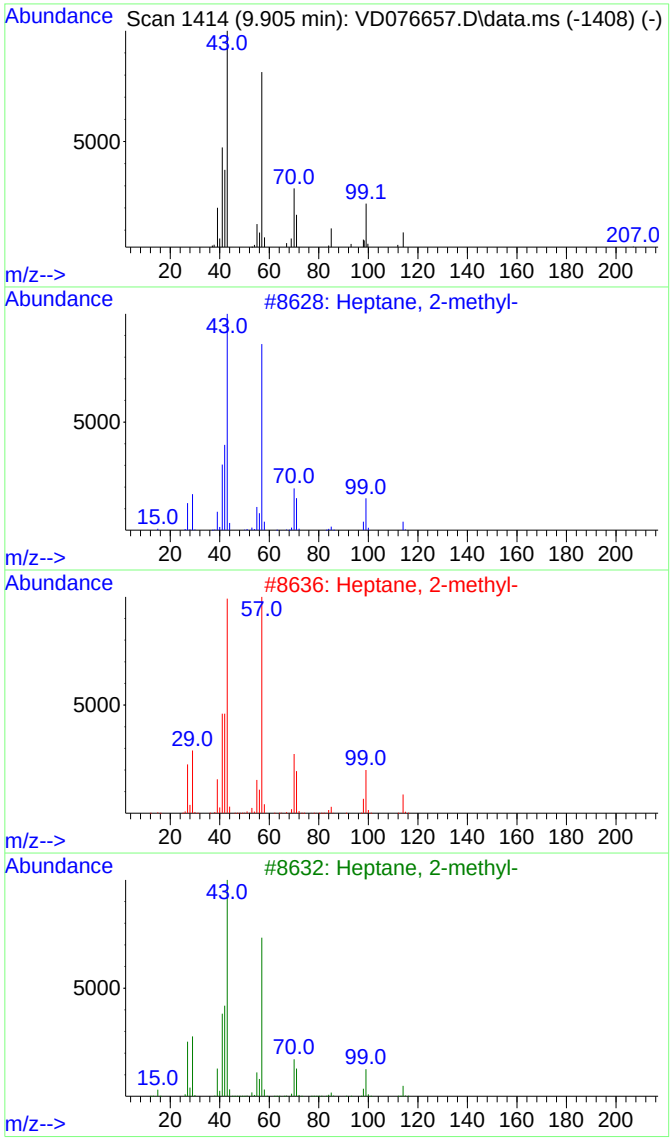
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

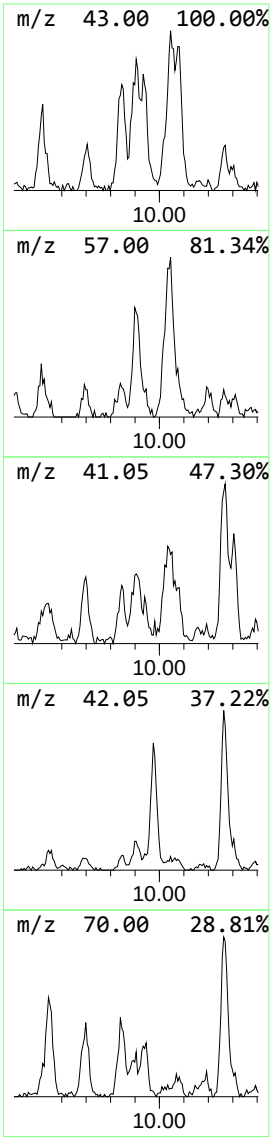
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.905	2.64 ug/L	52933	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

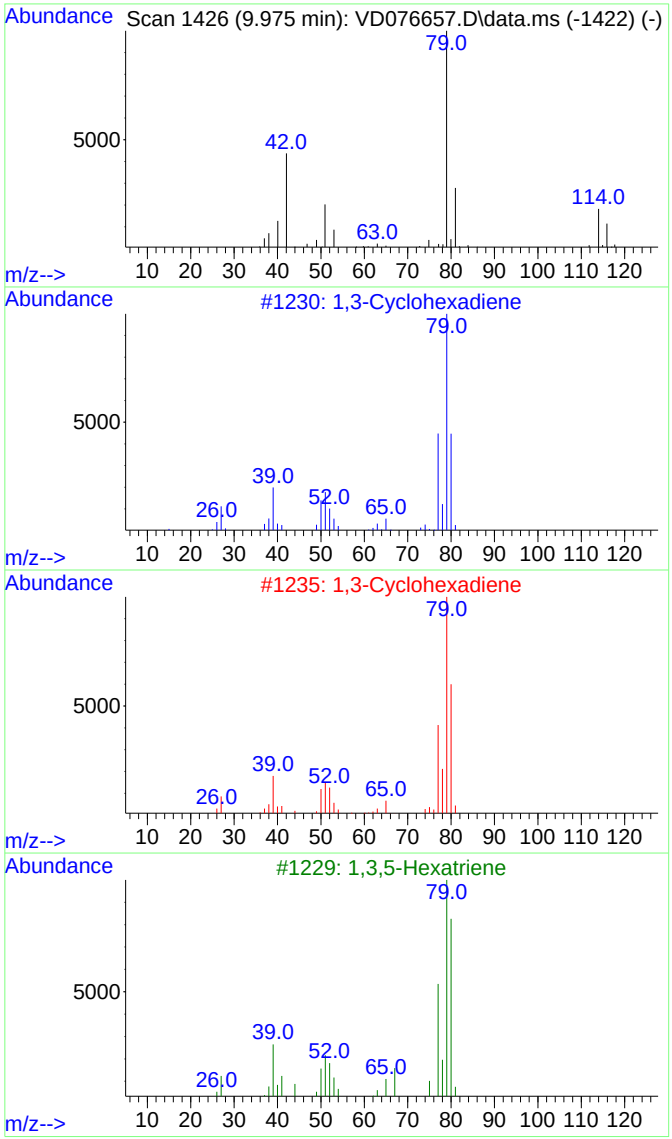
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

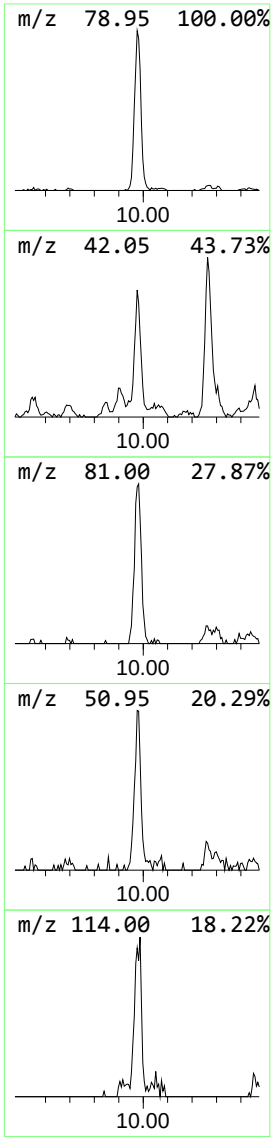
****

Peak Number 13 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.975	5.31 ug/L	106593	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	38
2	1,3-Cyclohexadiene	80	C6H8	000592-57-4	38
3	1,3,5-Hexatriene	80	C6H8	002235-12-3	38
4	1,3,5-Hexatriene, (Z)-	80	C6H8	002612-46-6	28
5	Thiophosgene	114	CCl2S	000463-71-8	28





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

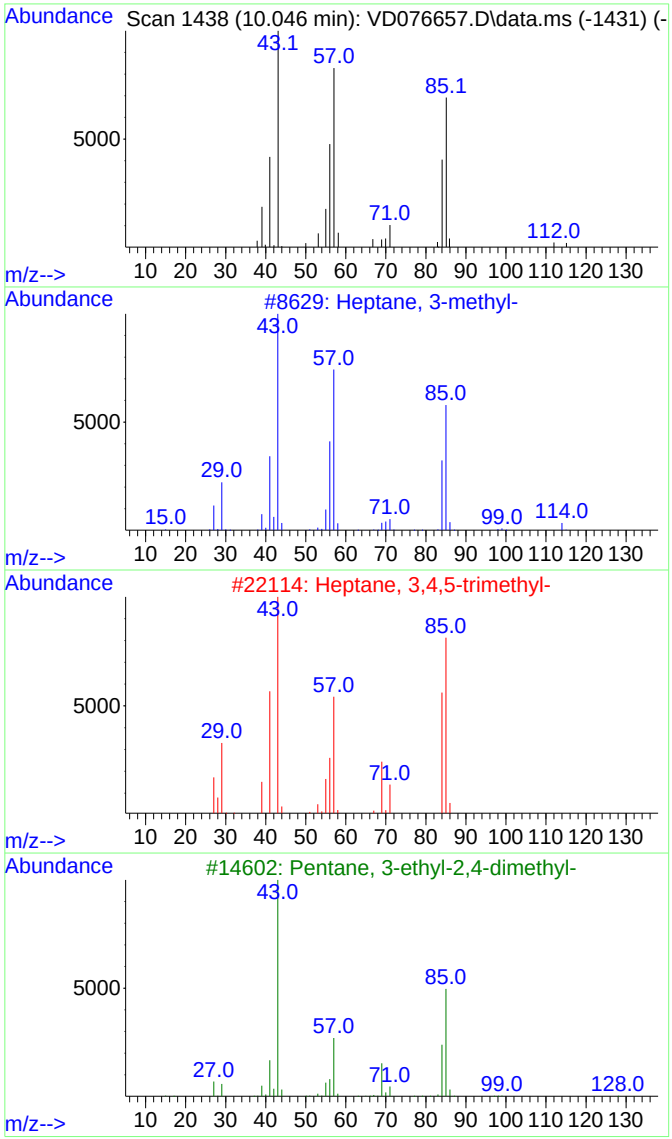
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

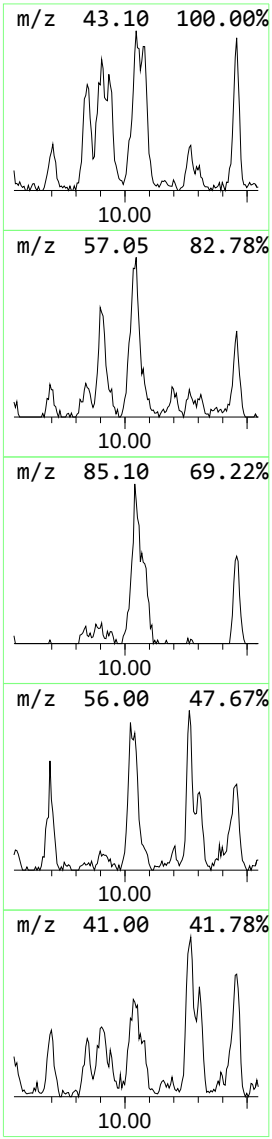
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.046	4.21 ug/L	84520	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Nonane, 5-methyl-	142	C10H22	015869-85-9	53





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

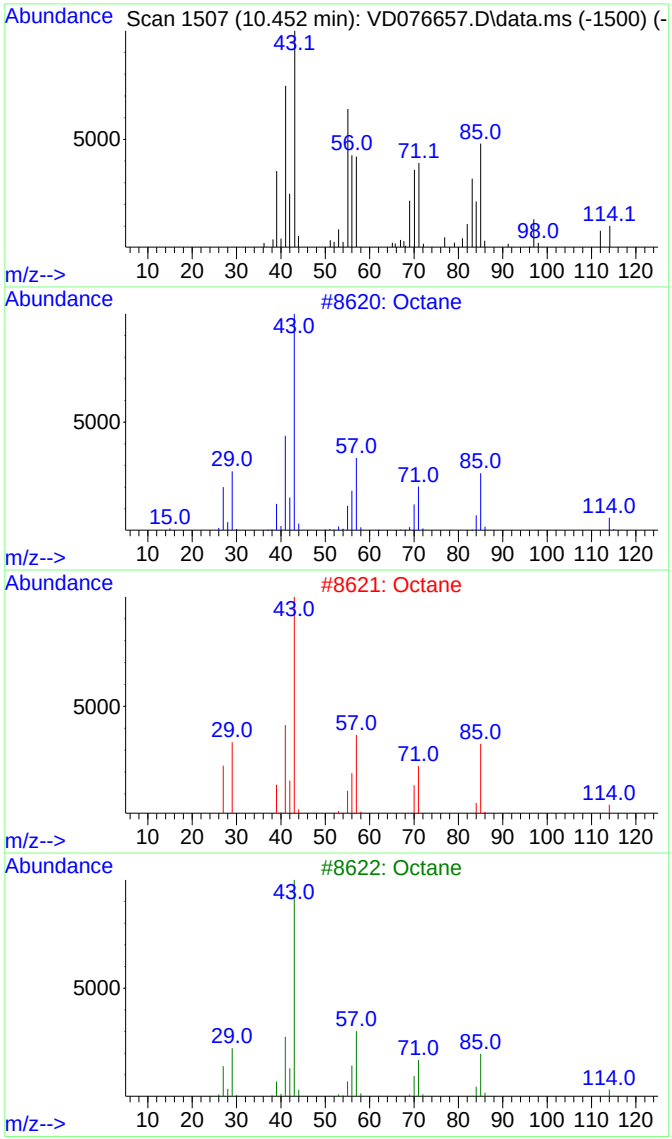
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

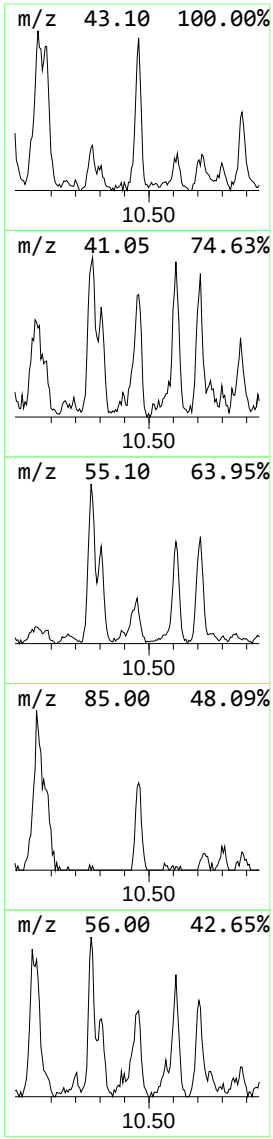
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	8.19 ug/L	150394	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	72
2	Octane	114	C8H18	000111-65-9	64
3	Octane	114	C8H18	000111-65-9	50
4	Octane	114	C8H18	000111-65-9	43
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

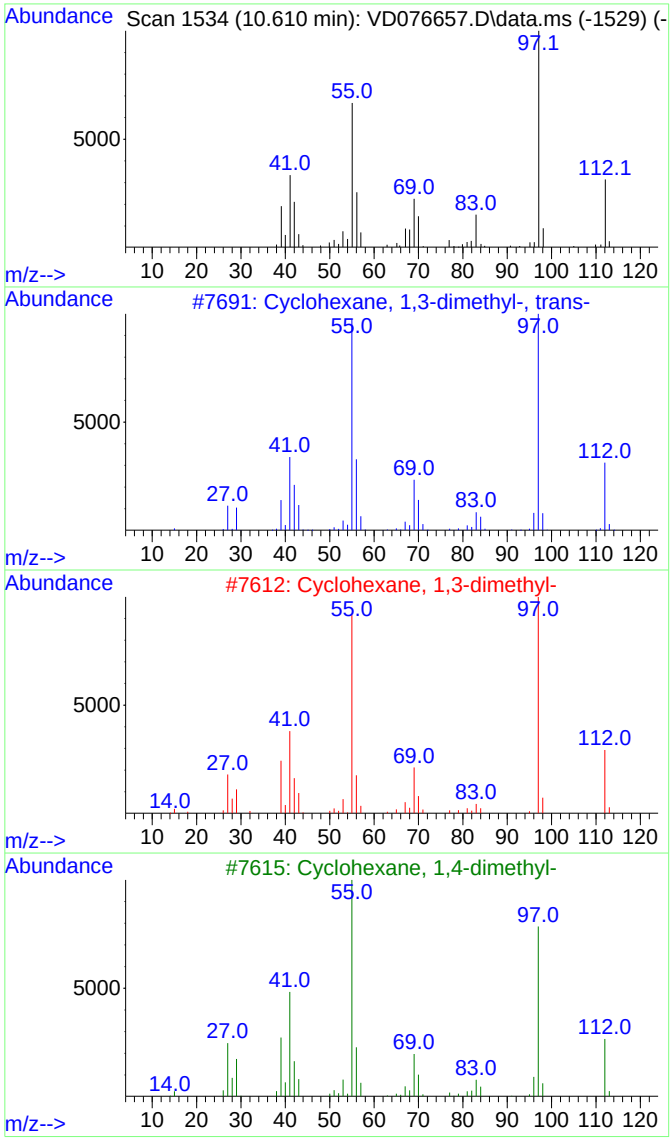
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

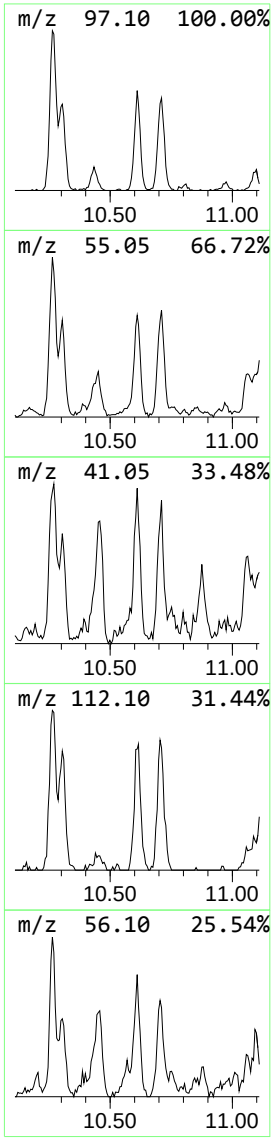
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic10.610 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	10.31 ug/L	189374	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	90
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

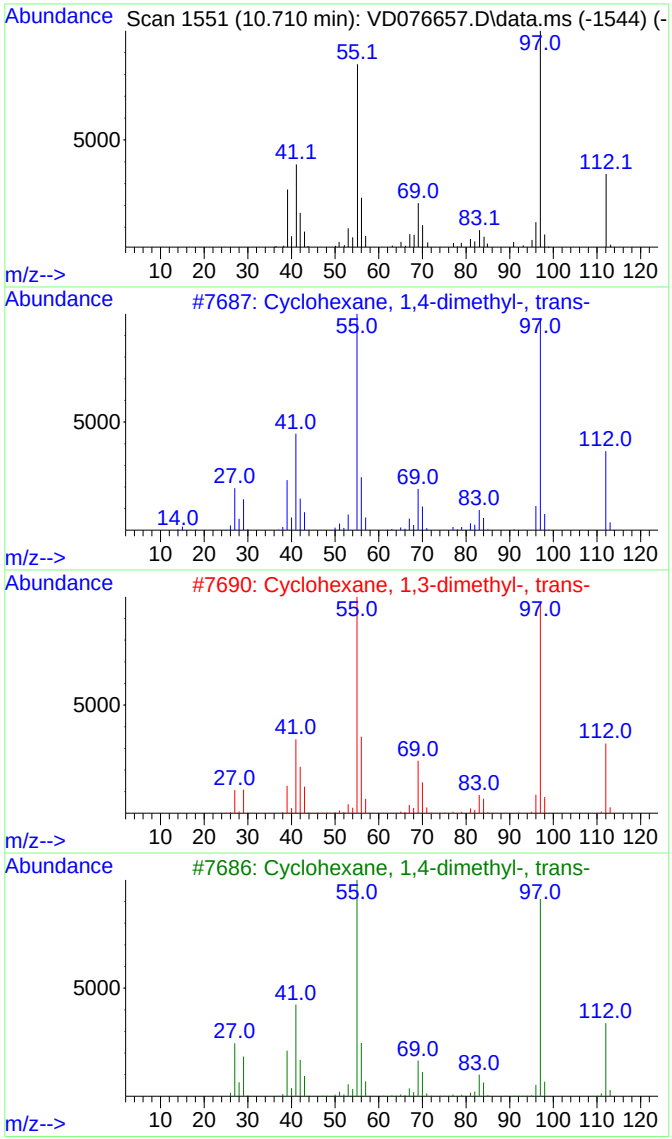
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

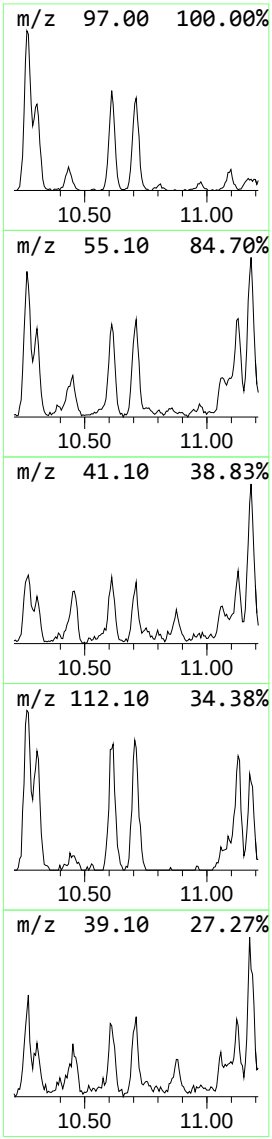
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic10.710 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.710	9.83 ug/L	180579	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

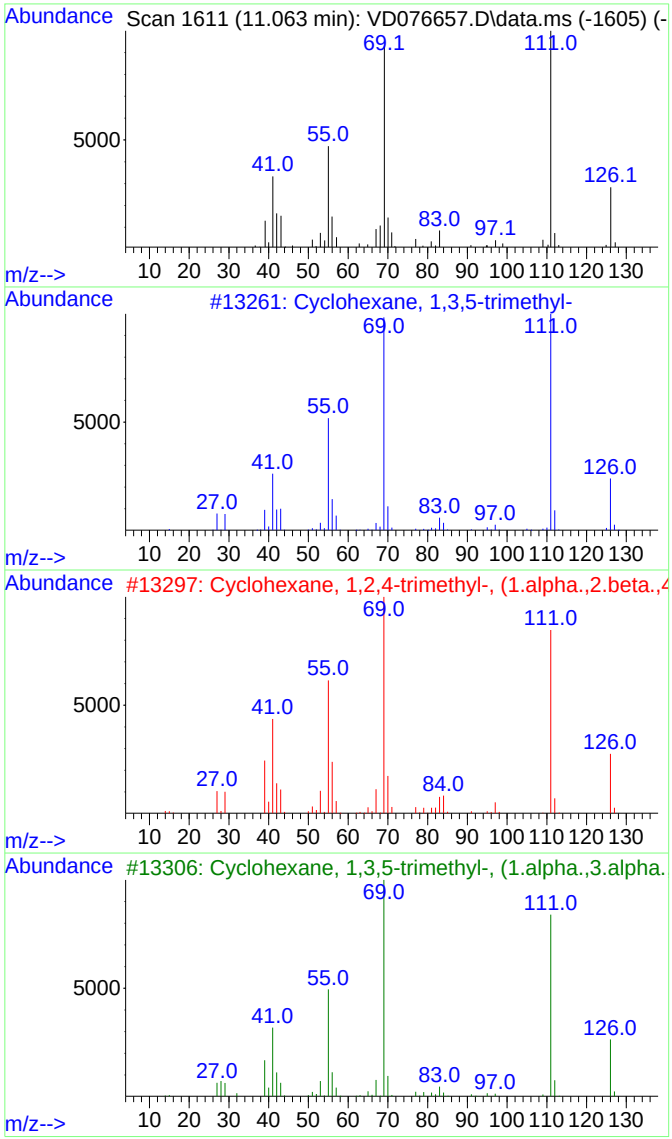
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

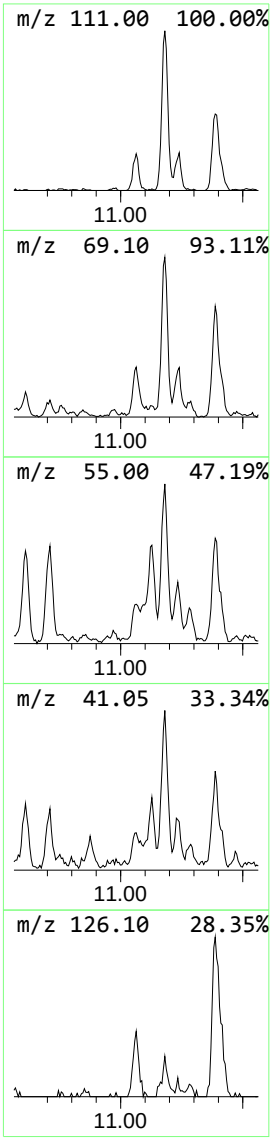
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.063 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.063	6.46 ug/L	118705	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

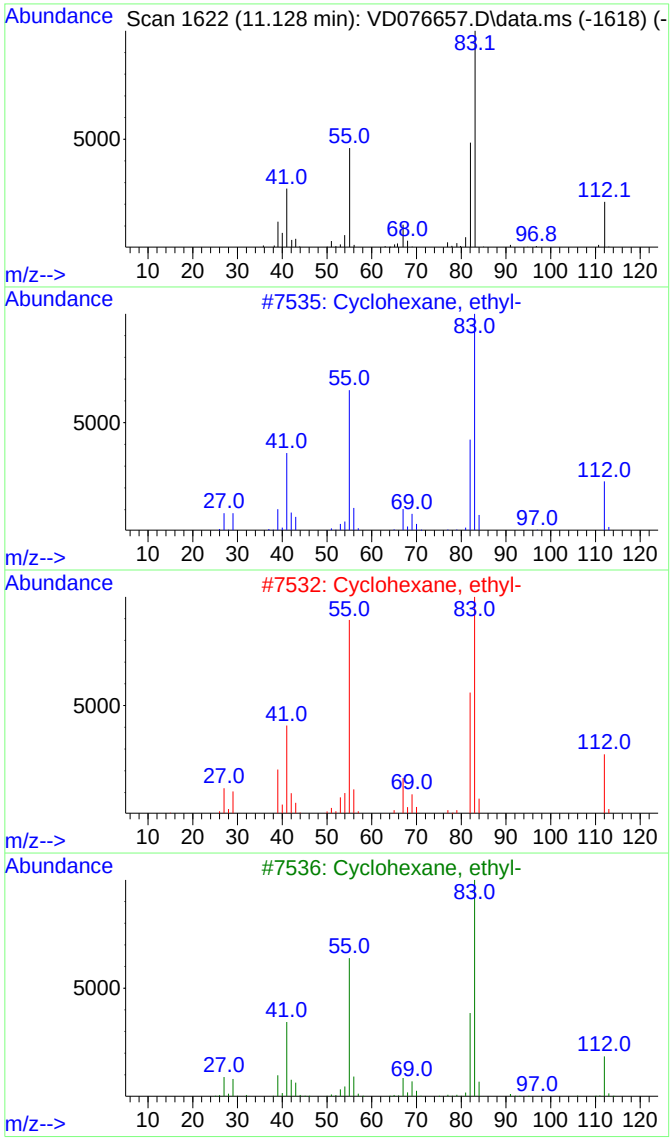
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

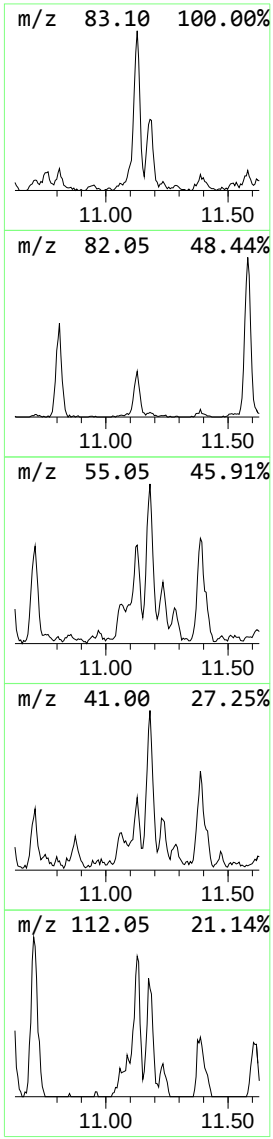
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.128 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.128	9.92 ug/L	182117	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	50





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

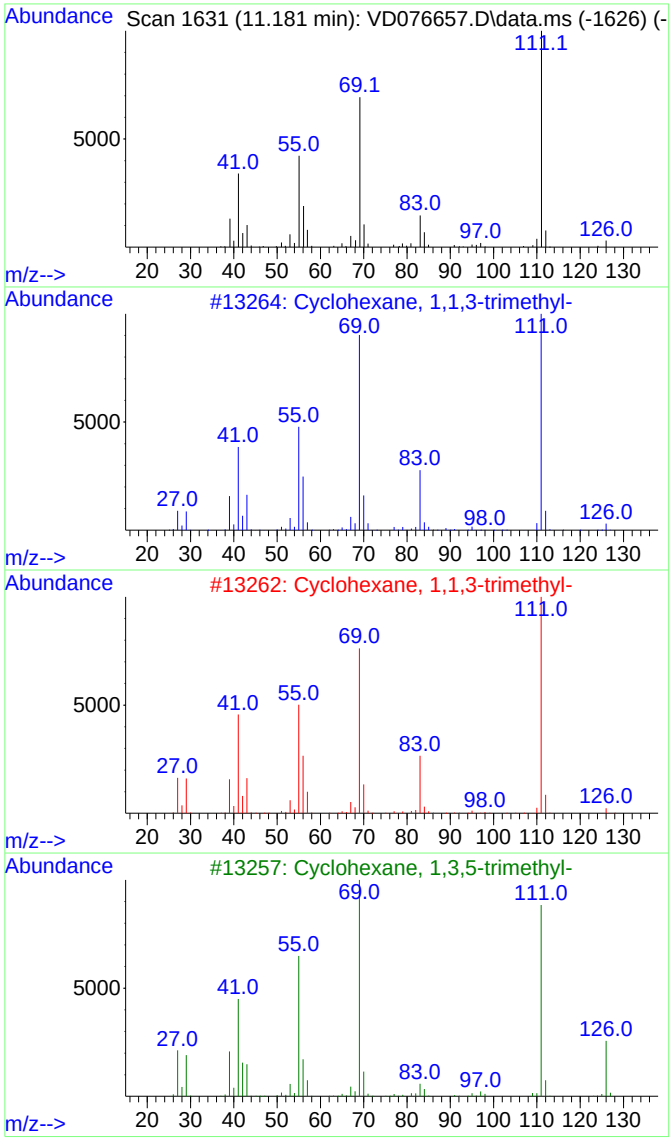
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

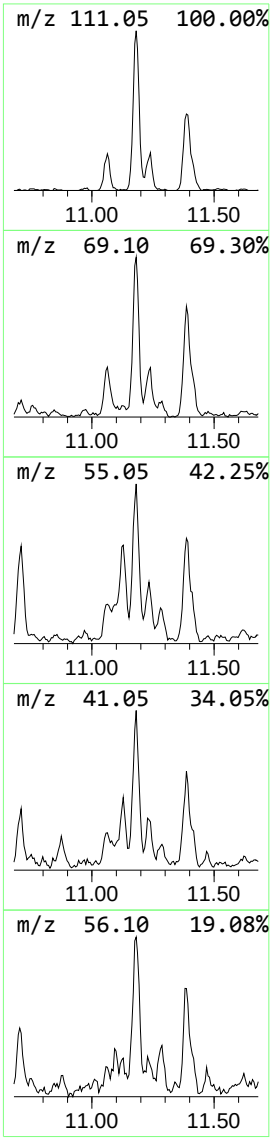
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.181 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	25.04 ug/L	459880	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

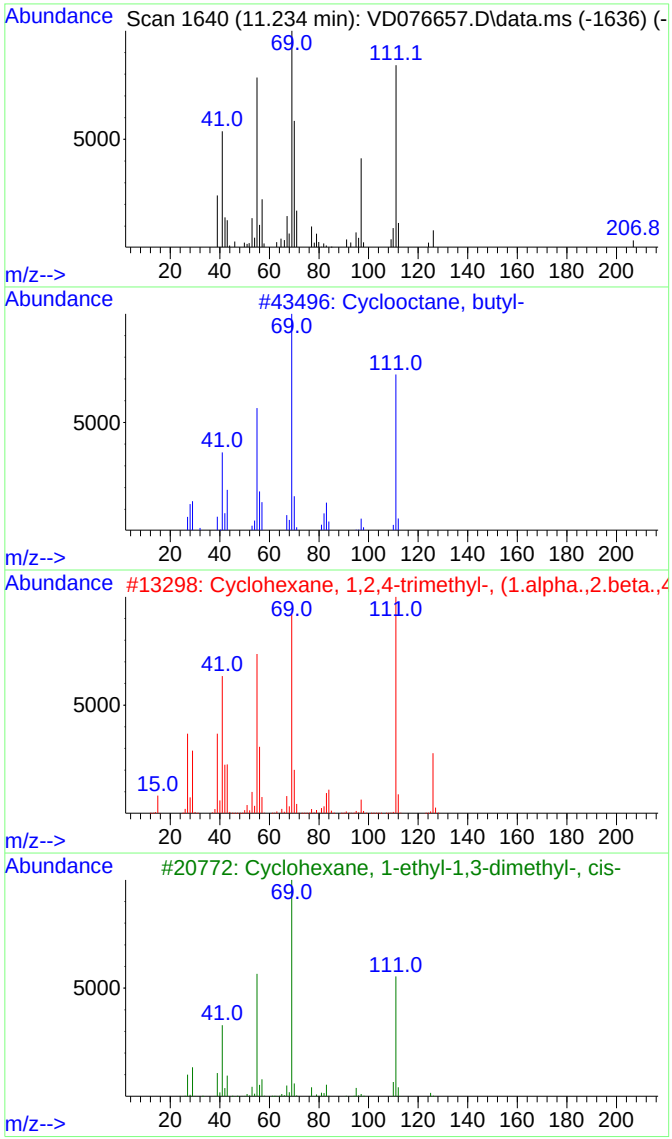
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

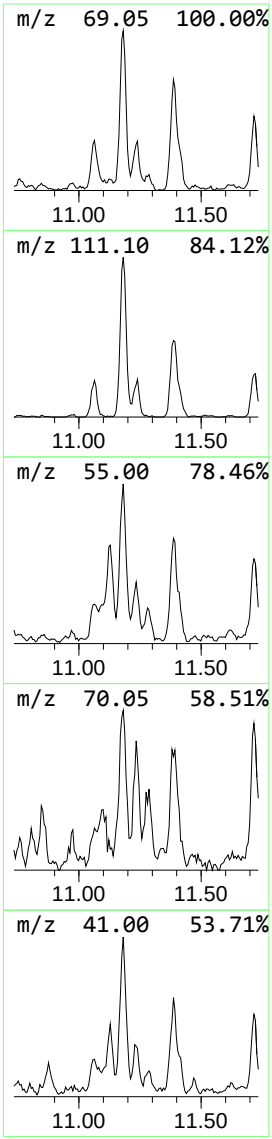
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.234 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.234	7.94 ug/L	145760	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	53
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53
3	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	53
4	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	50
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

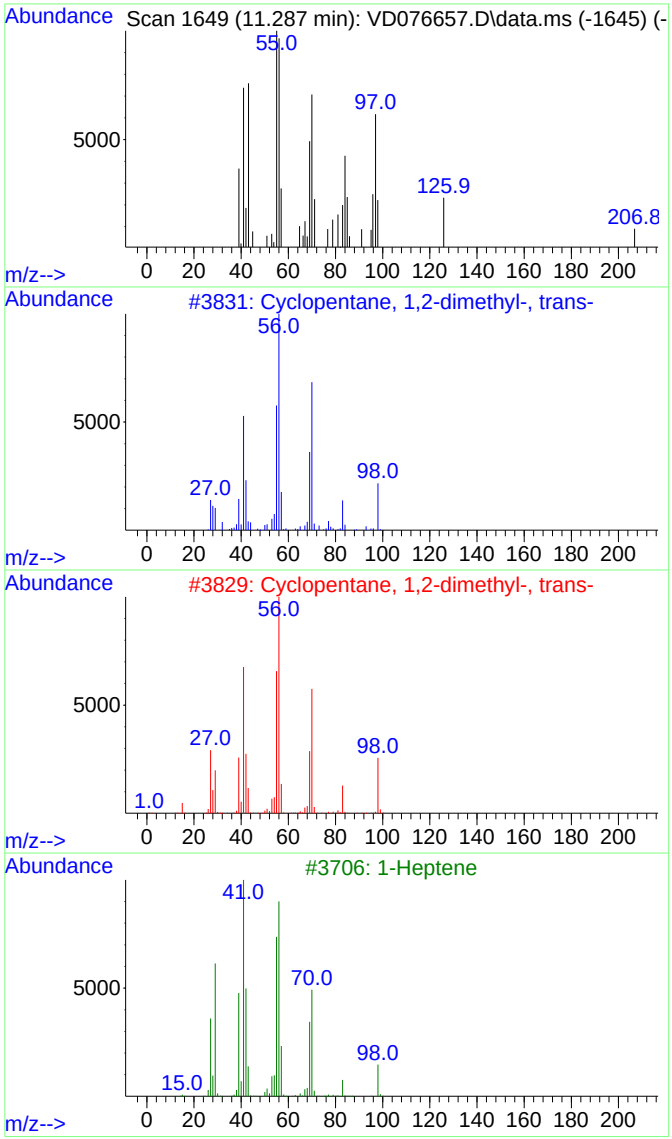
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

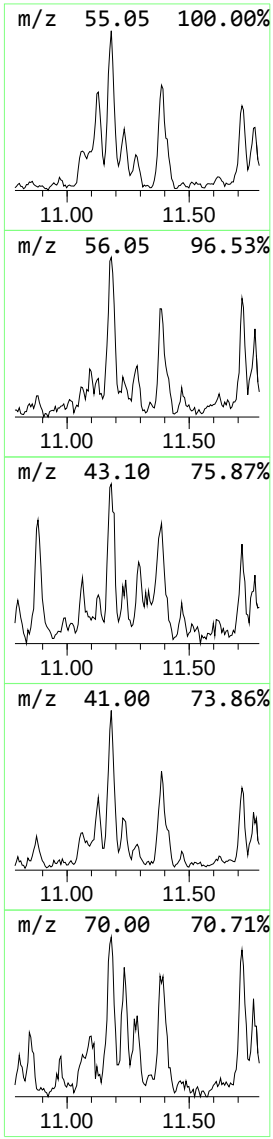
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.287 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.287	3.54 ug/L	65036	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	43
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	38
3	1-Heptene	98	C7H14	000592-76-7	38
4	Isopropylcyclobutane	98	C7H14	000872-56-0	38
5	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

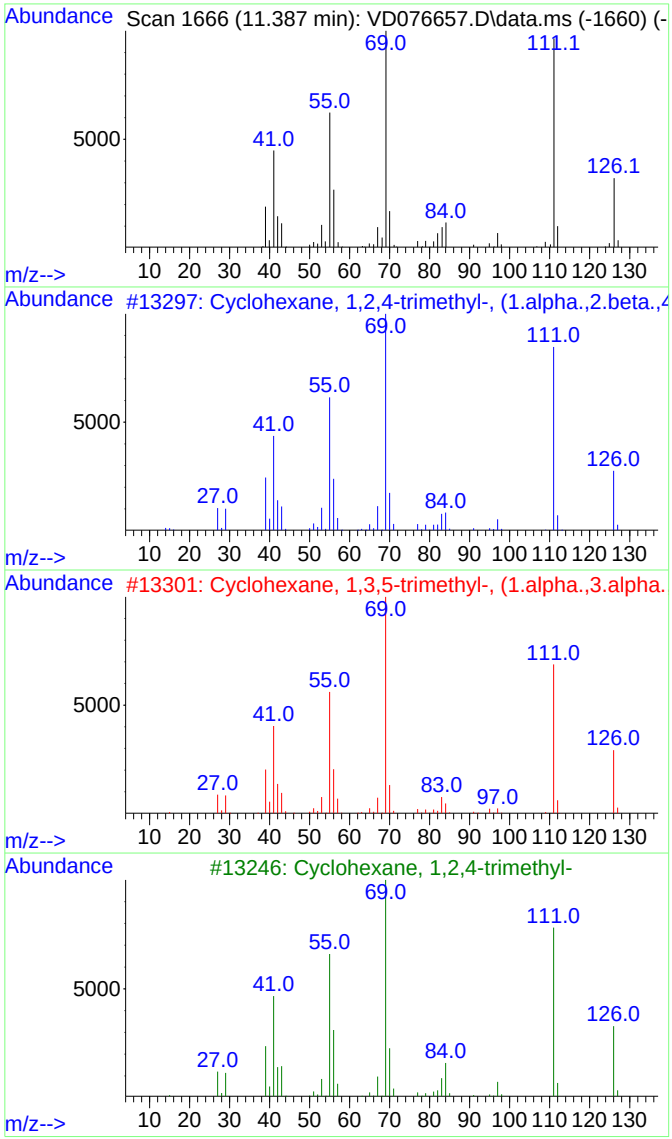
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

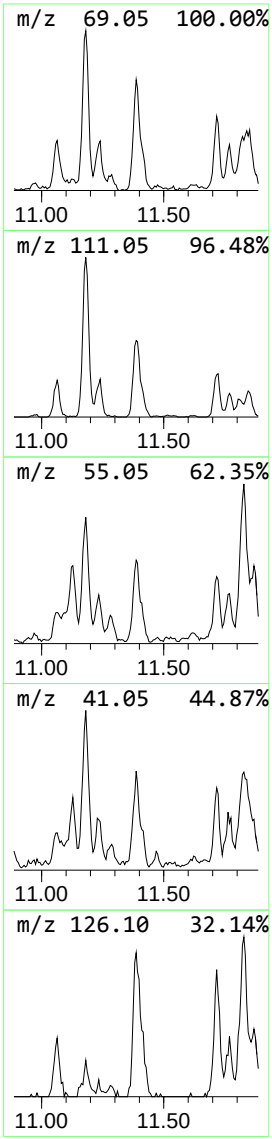
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.387 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.387	19.31 ug/L	354603	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

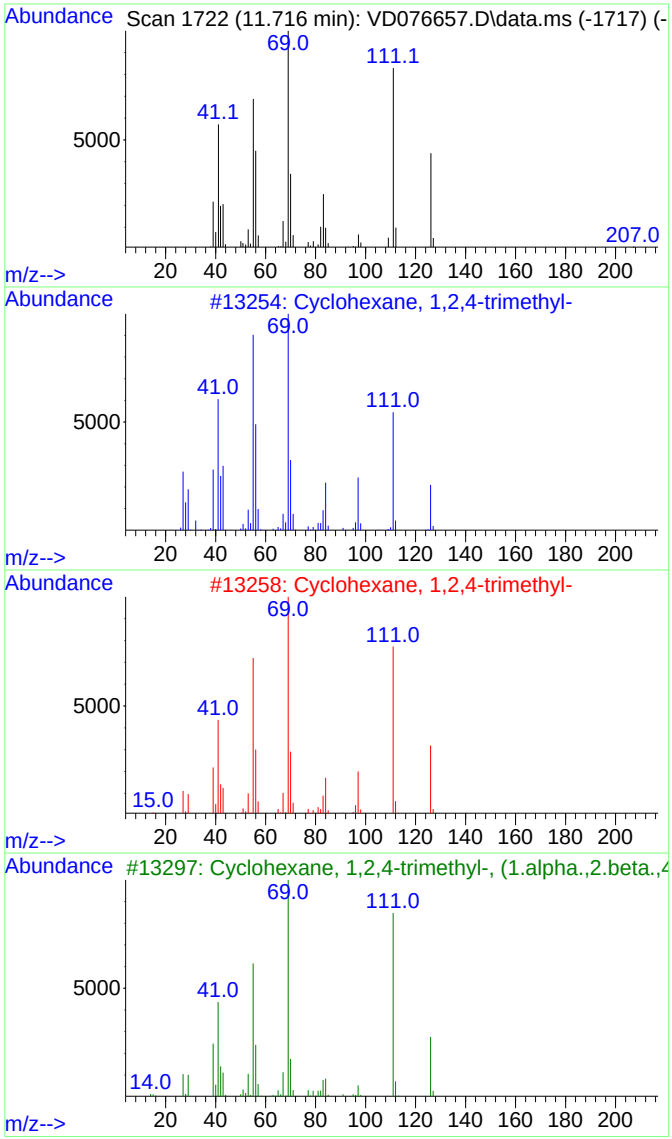
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

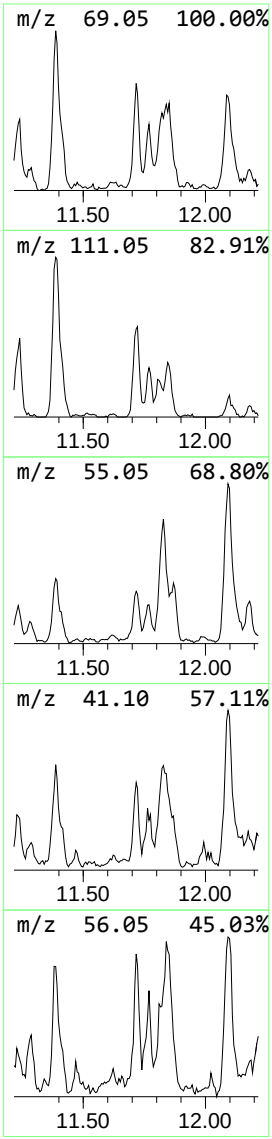
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.716 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.716	9.62 ug/L	176642	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	86
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	86





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Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

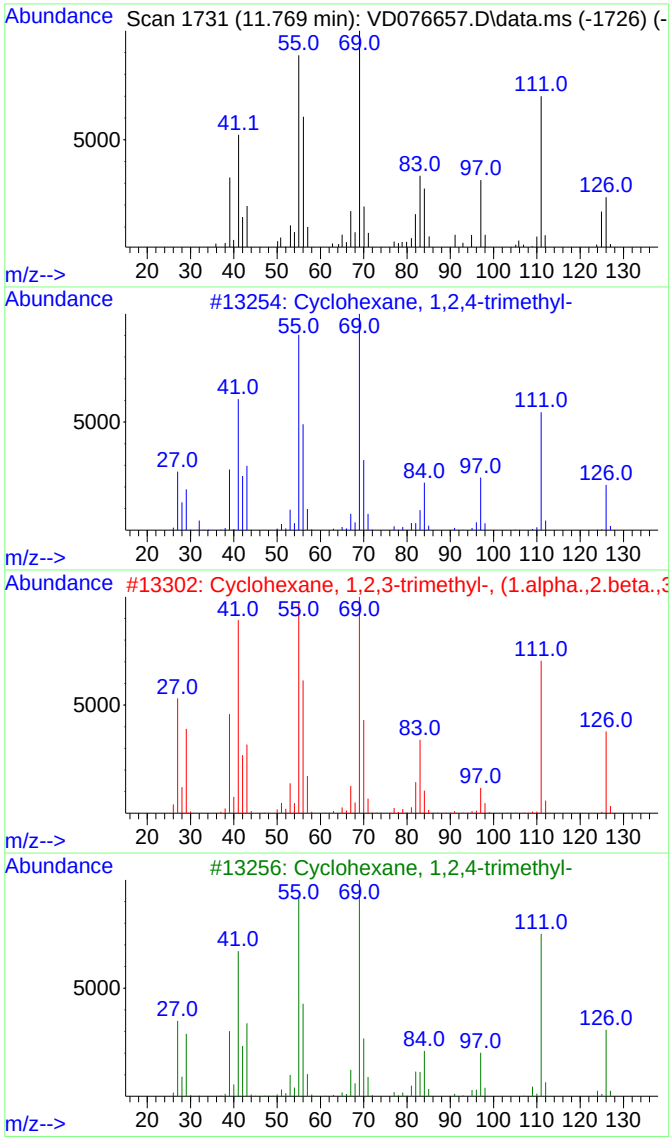
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

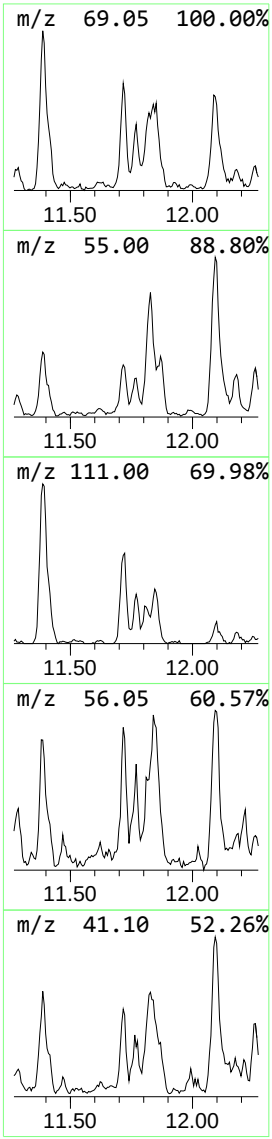
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.769 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	7.84 ug/L	143887	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	81
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	76
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

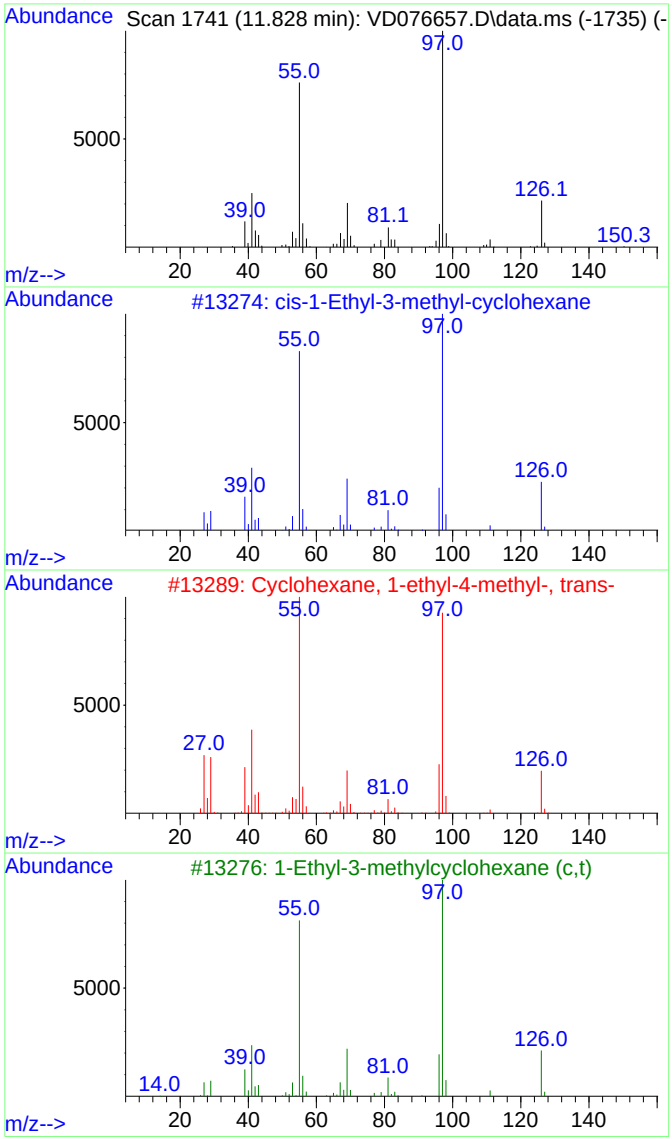
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

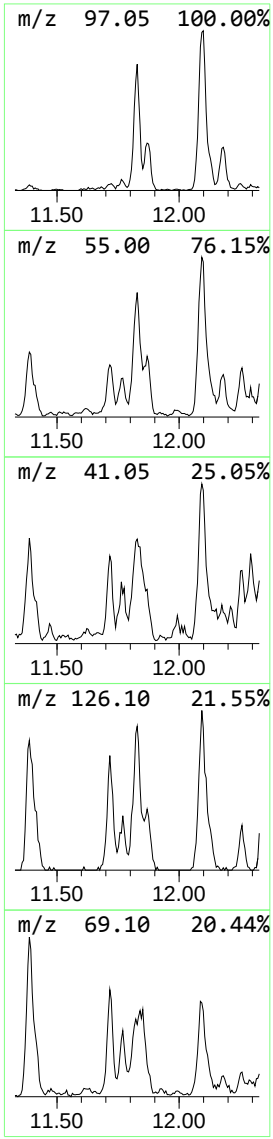
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic11.828 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	32.20 ug/L	591369	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	93
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87





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Data File : VD076657.D
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Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

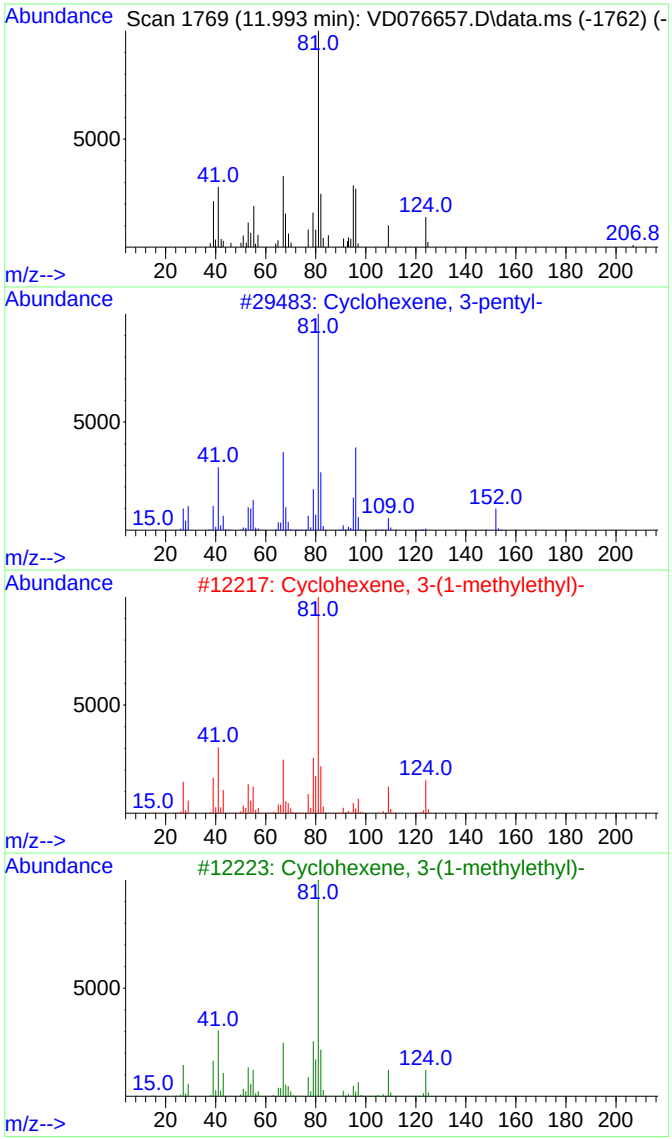
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

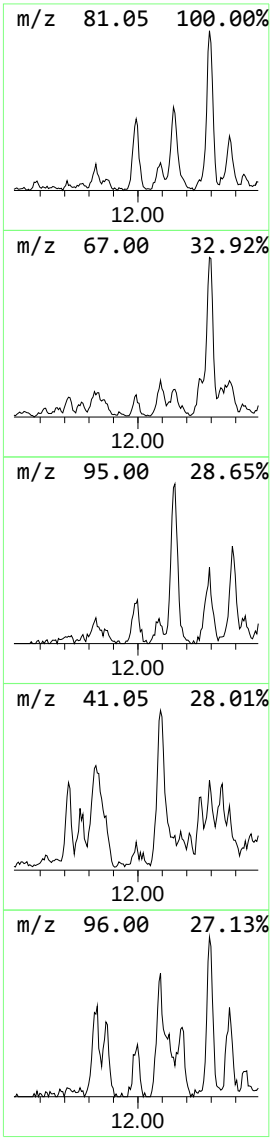
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Cyclohexene, 3-pentyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.993	4.96 ug/L	91043	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	64
2	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	59
3	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	59
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	52
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

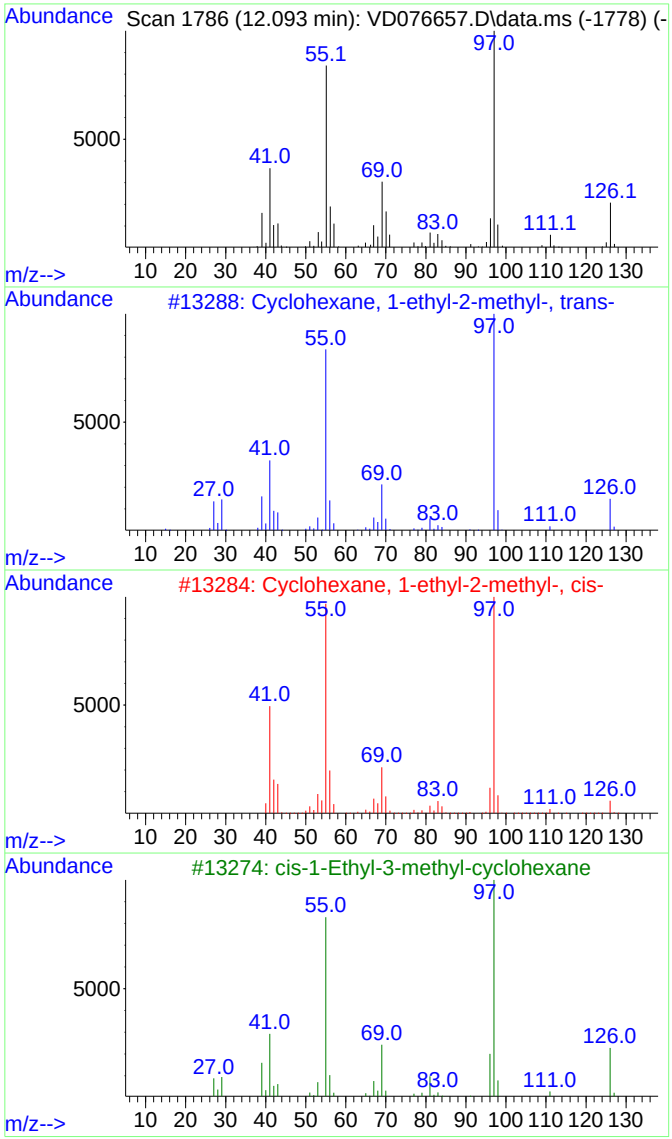
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

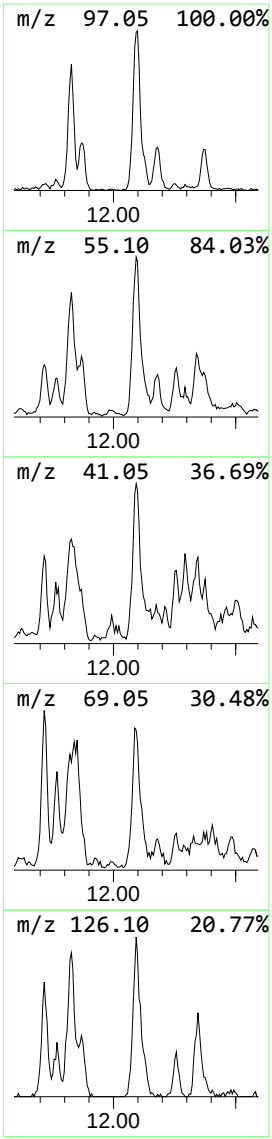
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic12.093 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.093	32.89 ug/L	604018	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	90
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	80
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	74
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

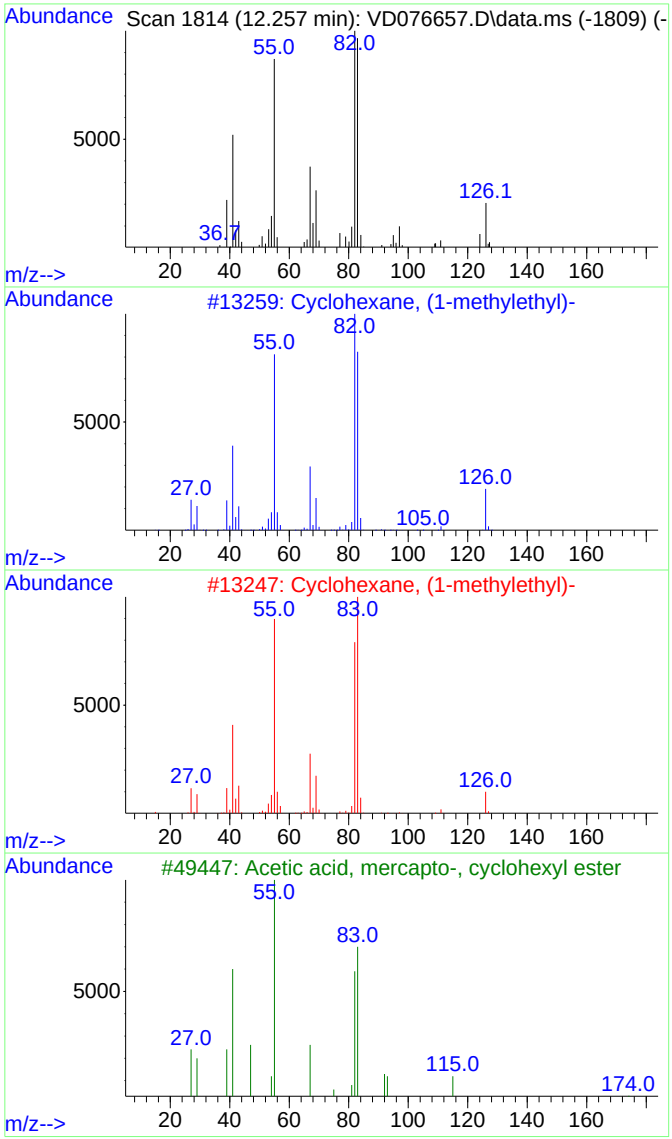
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

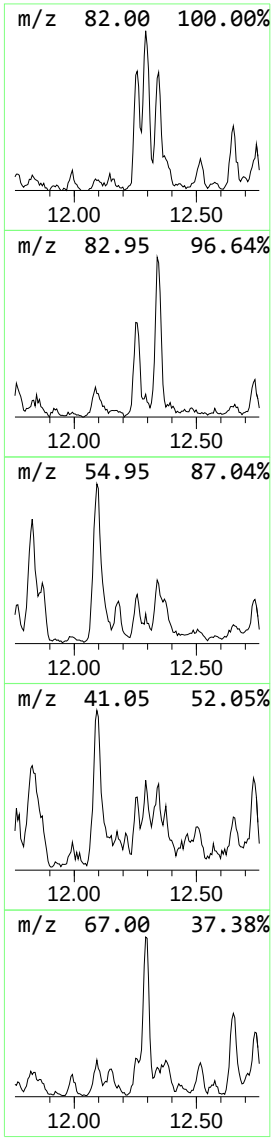
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic12.257 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	6.64 ug/L	121971	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	83
3	Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	58





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

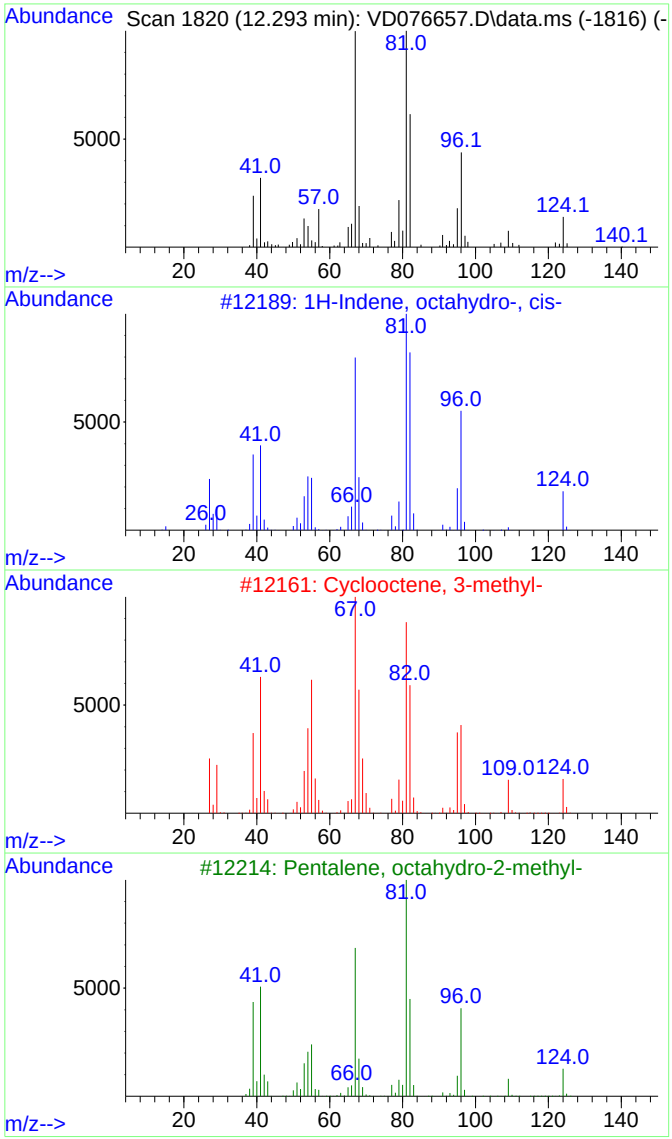
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

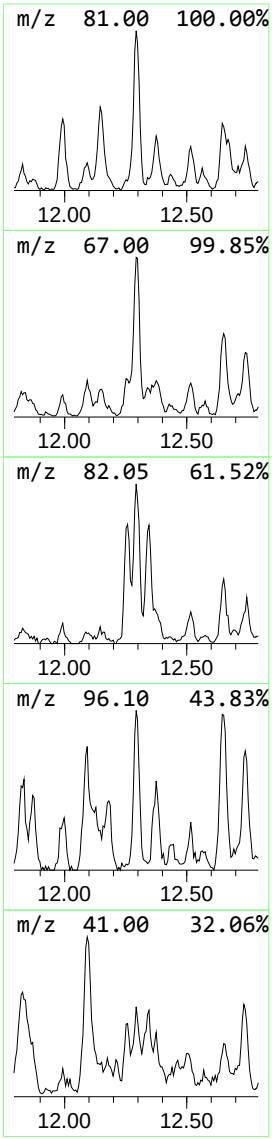
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1H-Indene, octahydro-, cis- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.293	10.60 ug/L	194631	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
4	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	50





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Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

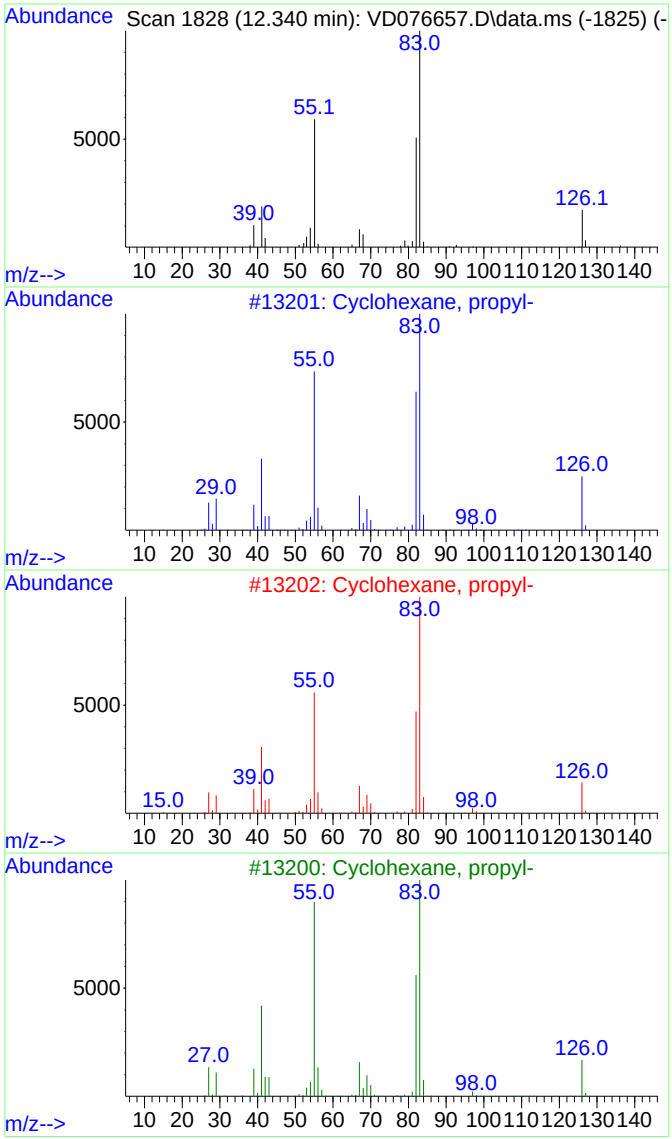
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

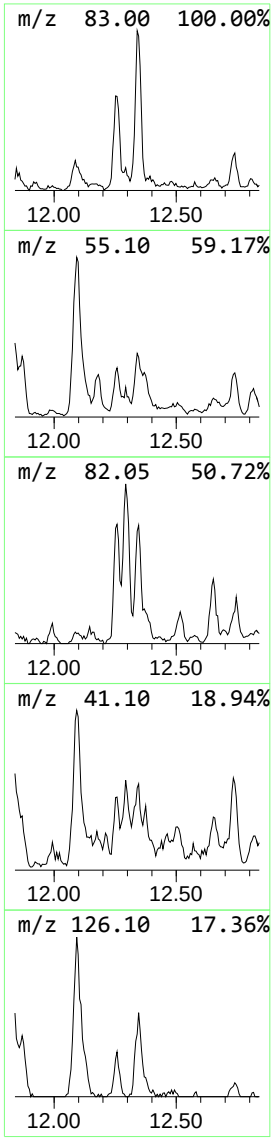
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic12.340 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.340	3.73 ug/L	68439	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5	1-Methyl-3-(phenylsulfonyl)pyrro...	225	C11H15NO2S	1000432-50-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

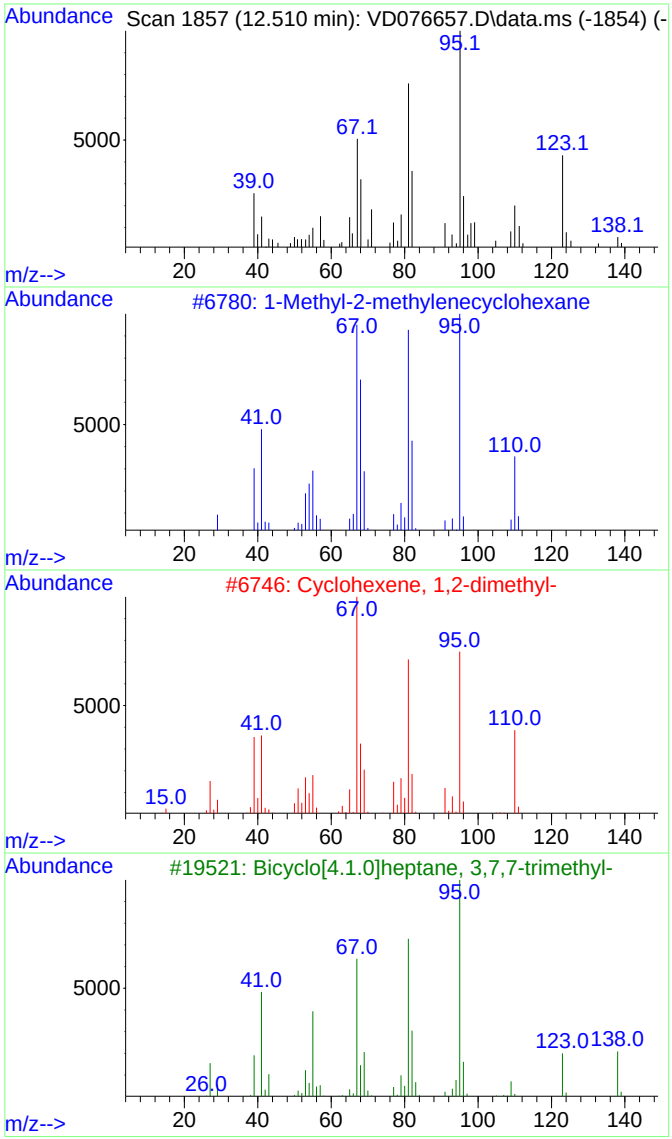
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

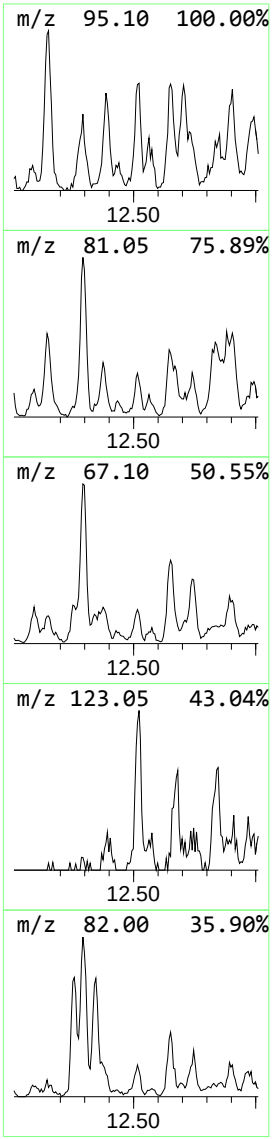
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1-Methyl-2-methylenecyclohe... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	5.67 ug/L	104102	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	68
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	62
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	53
4	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	49
5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

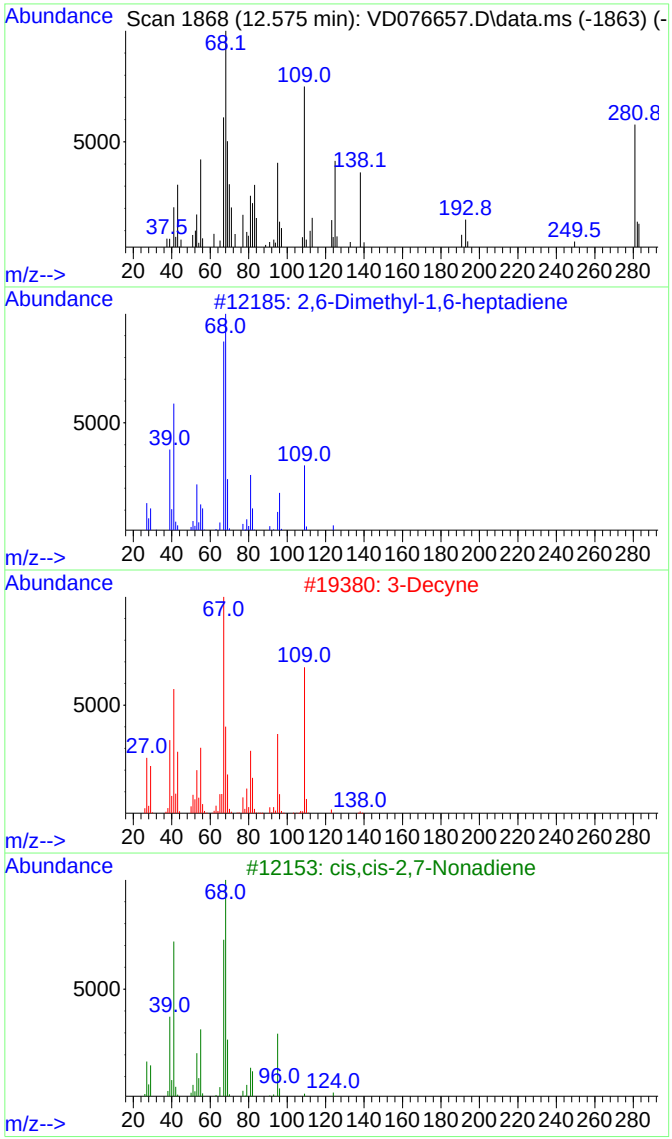
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

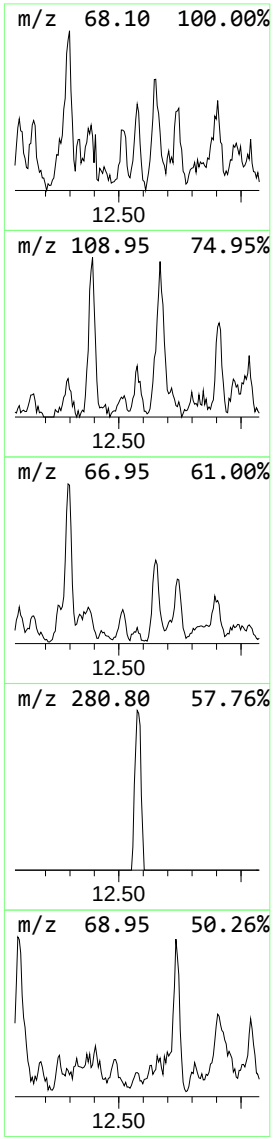
****

Peak Number 33 unknown-03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	6.61 ug/L	54584	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyl-1,6-heptadiene	124	C9H16	051708-83-9	46
2	3-Decyne	138	C10H18	002384-85-2	38
3	cis,cis-2,7-Nonadiene	124	C9H16	036901-84-5	35
4	4-Isopropenylcyclohexanone	138	C9H14O	022460-53-3	30
5	Ethylidenecyclooctane	138	C10H18	019780-51-9	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

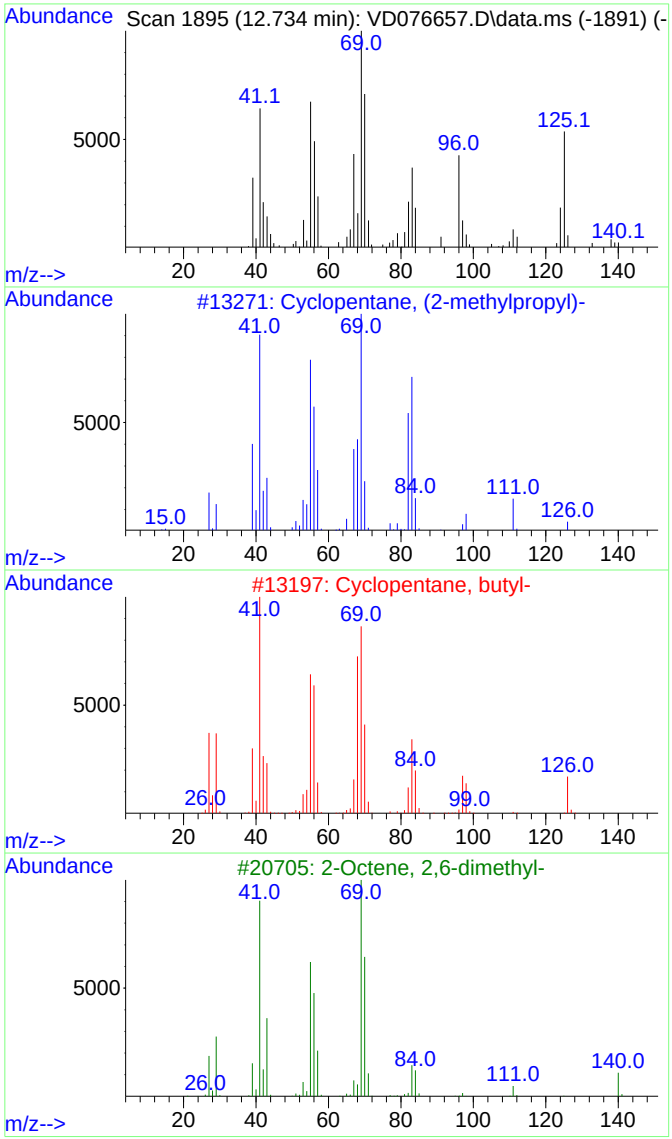
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

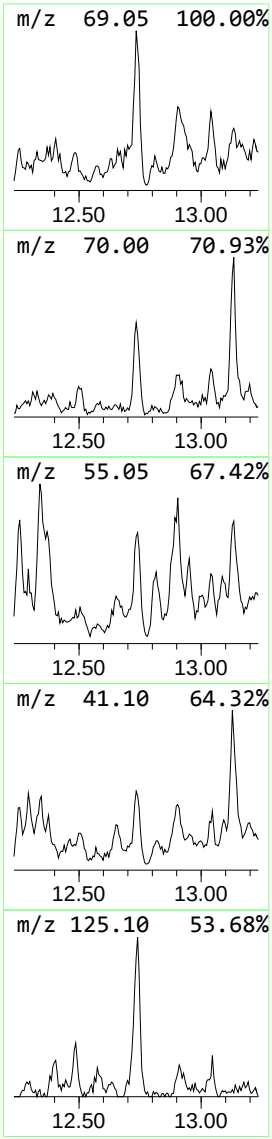
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic12.734 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.734	34.73 ug/L	286819	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	46
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
5	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

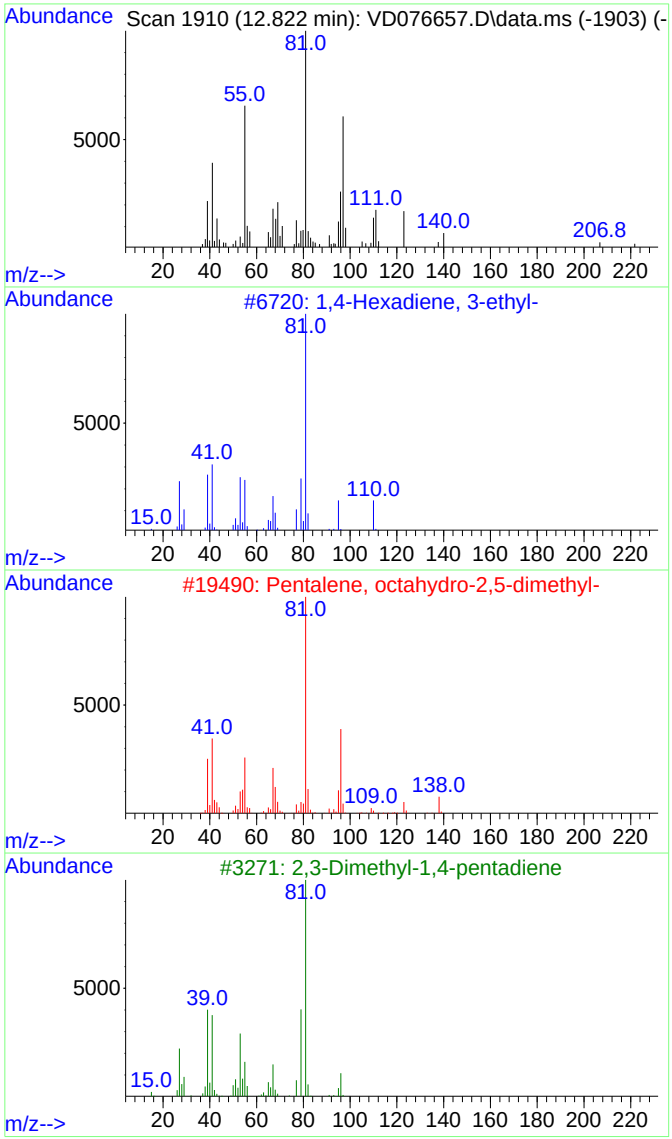
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

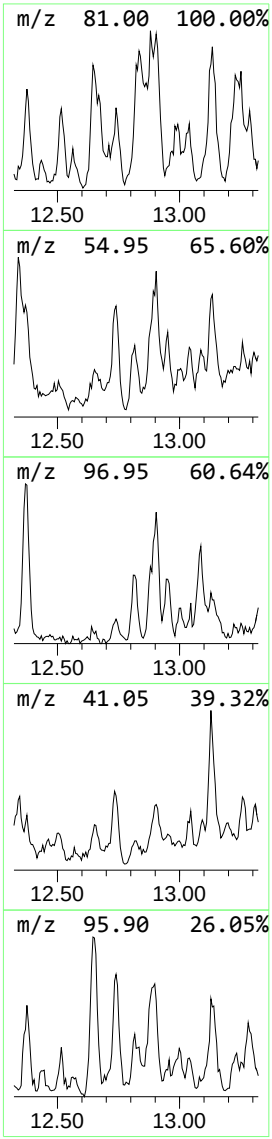
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 1,4-Hexadiene, 3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.822	20.80 ug/L	171765	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	50
2	Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	43
3	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	43
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	43
5	2,4-Hexadienal, (E,E)-	96	C6H8O	000142-83-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

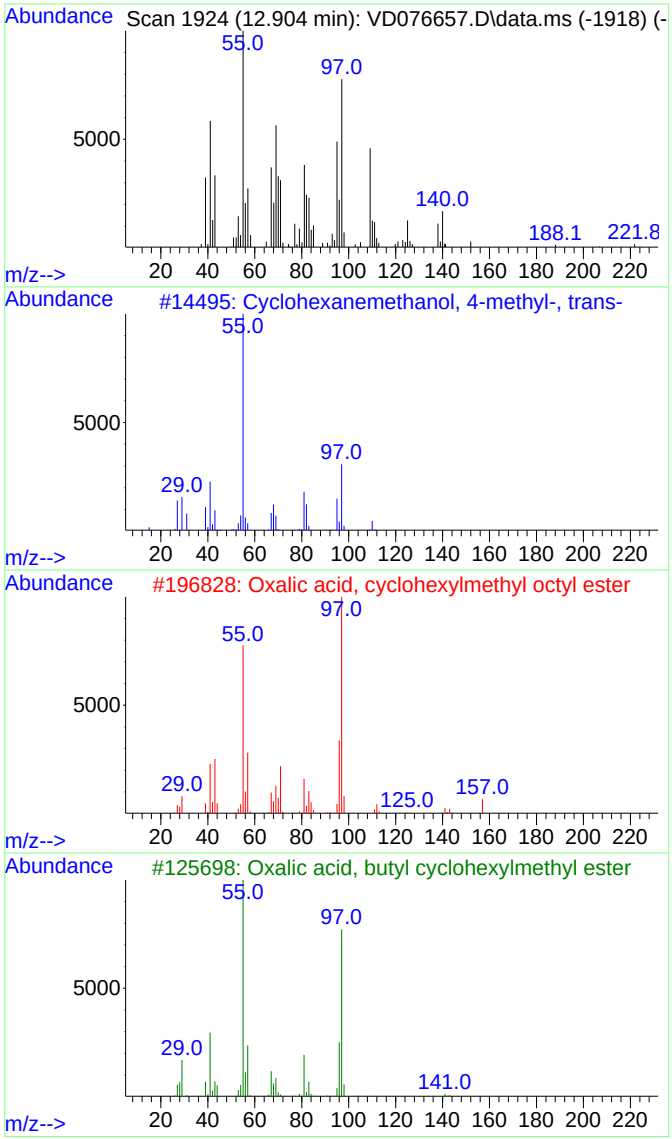
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

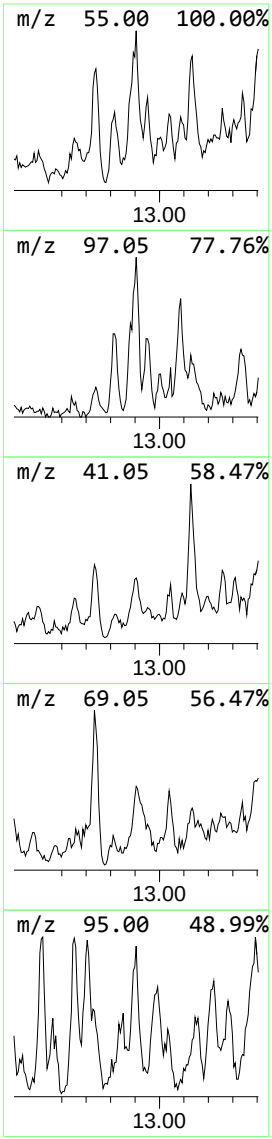
****

Peak Number 36 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	25.31 ug/L	208989	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-methyl-, ...	128	C8H16O	003937-49-3	38
2	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	27
3	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	27
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	27
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

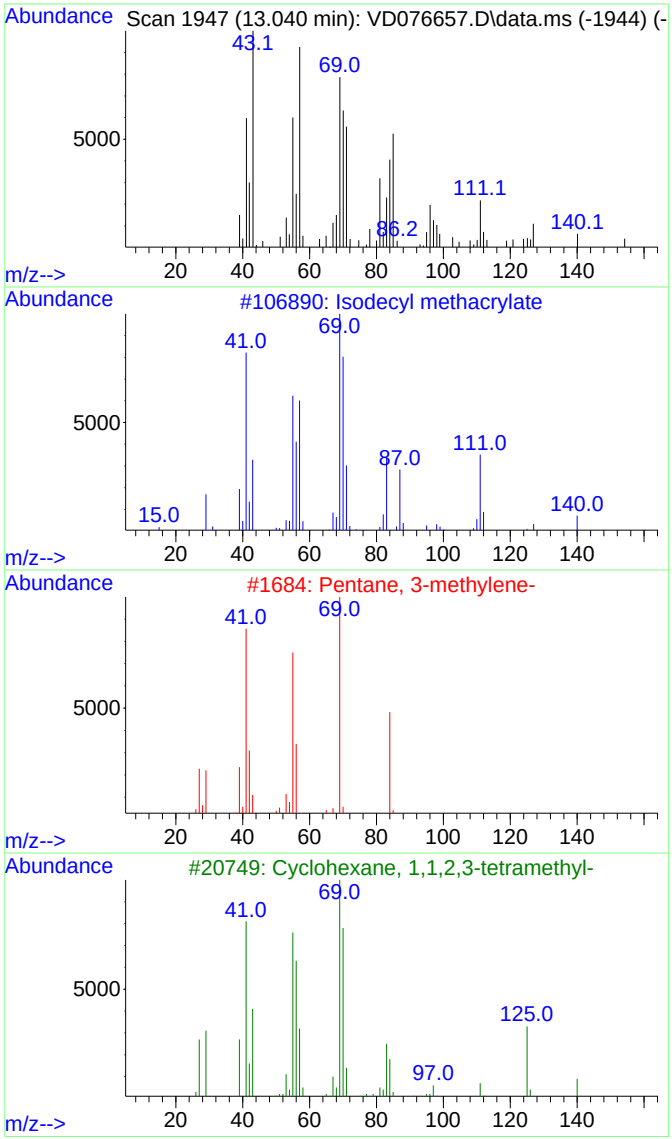
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

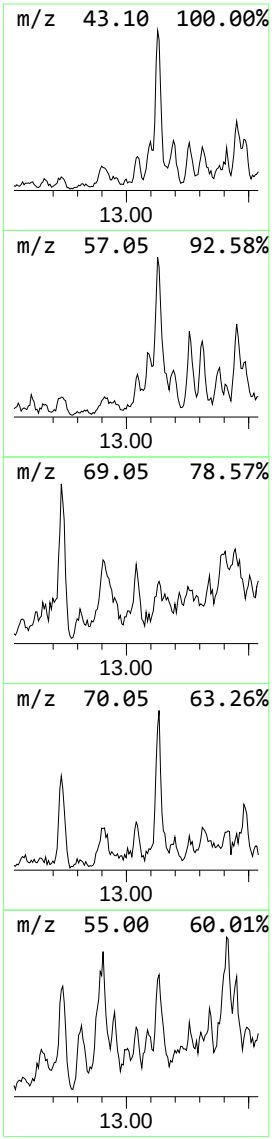
****

Peak Number 37 unknown-05 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.040	11.37 ug/L	93930	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isodecyl methacrylate	226	C14H26O2	029964-84-9	43
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	42
3	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	38
4	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	38
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

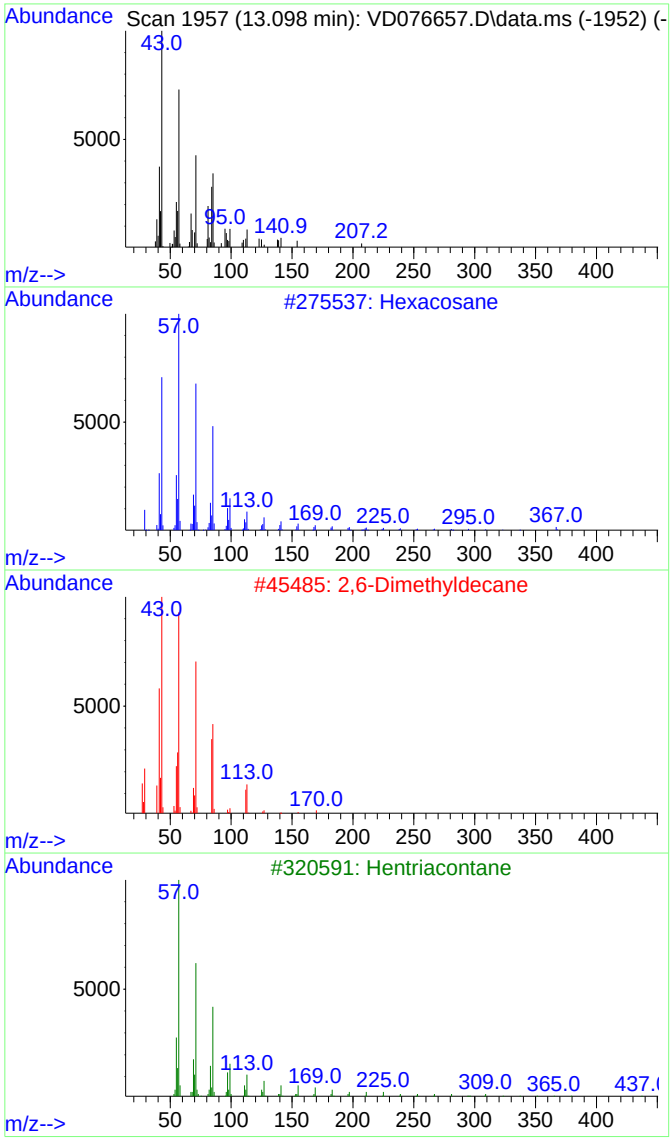
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

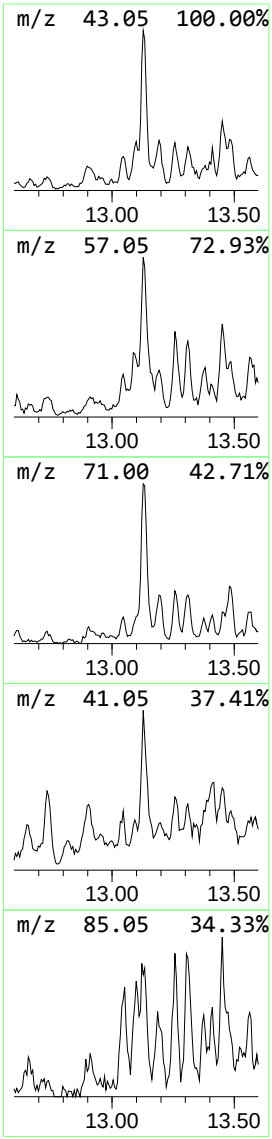
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	7.89 ug/L	65155	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	53
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	53
3	Hentriacontane	437	C31H64	000630-04-6	50
4	Octadecane	254	C18H38	000593-45-3	50
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

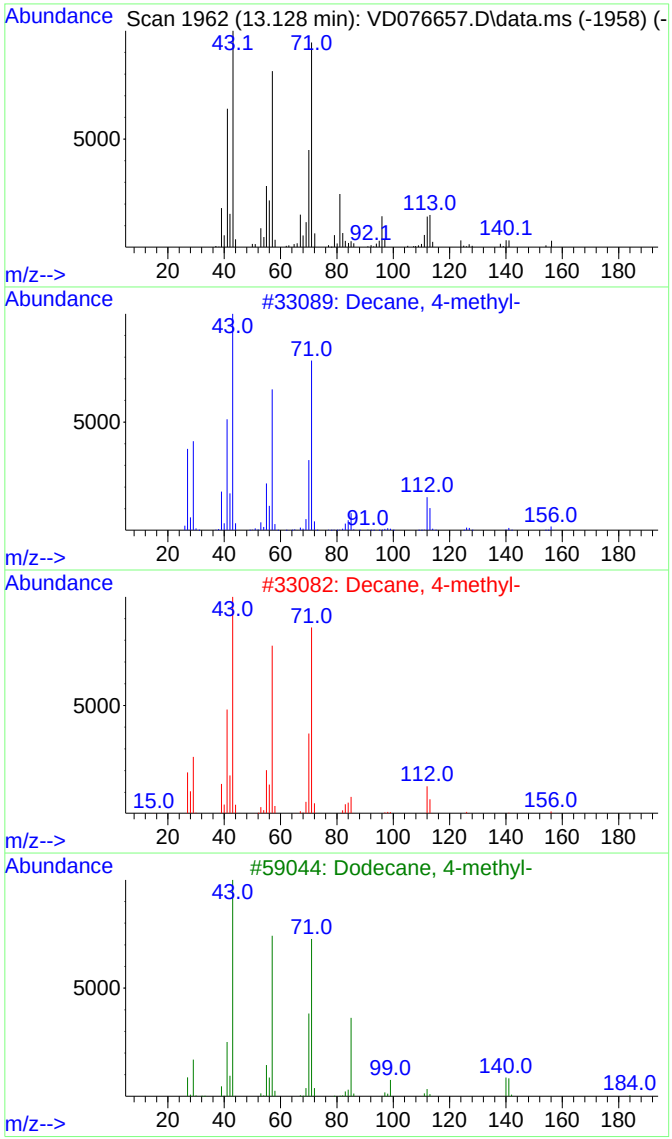
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

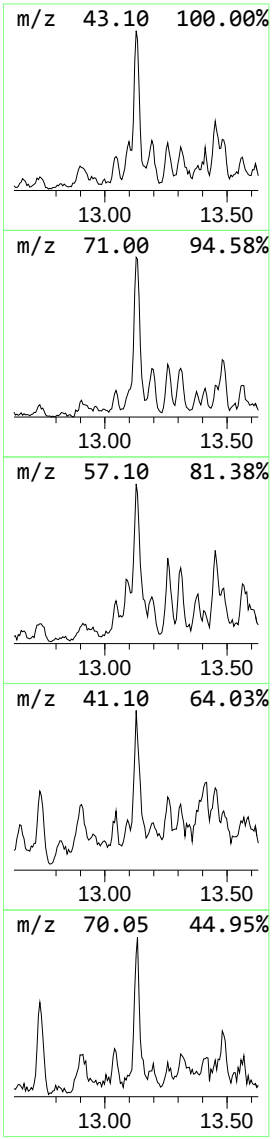
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	46.30 ug/L	382355	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Decane, 4-methyl-	156	C11H24	002847-72-5	64
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	53
4	4-(Methylamino)-1-thiane-1,1-dione	163	C6H13NO2S	1000444-06-6	53
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

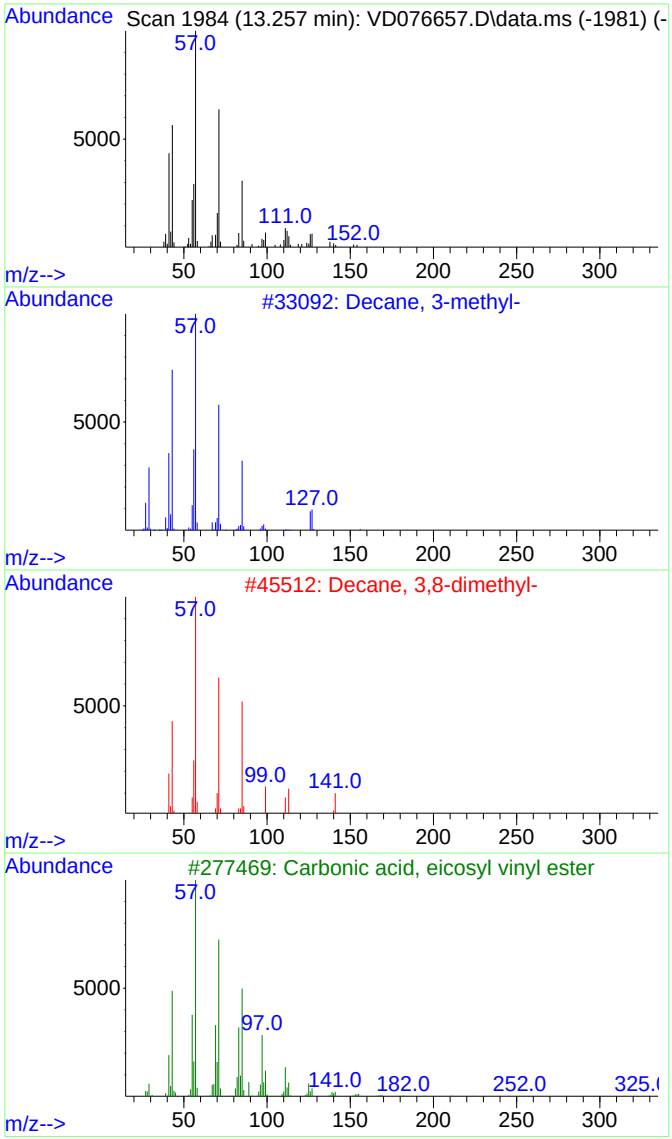
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

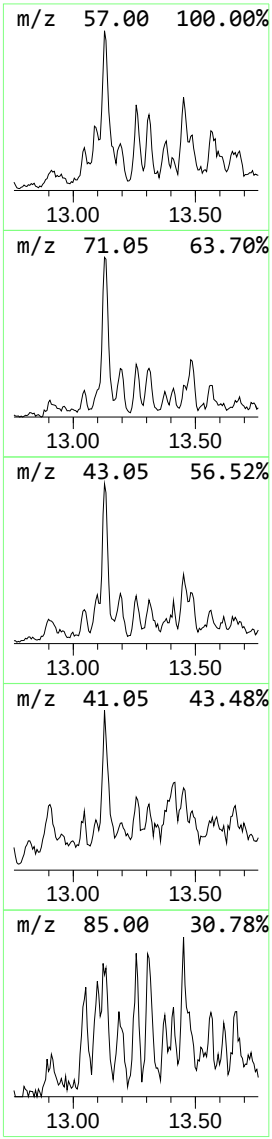
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	9.80 ug/L	80912	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	80
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	64
4	Pentadecane	212	C15H32	000629-62-9	59
5	Tridecane	184	C13H28	000629-50-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

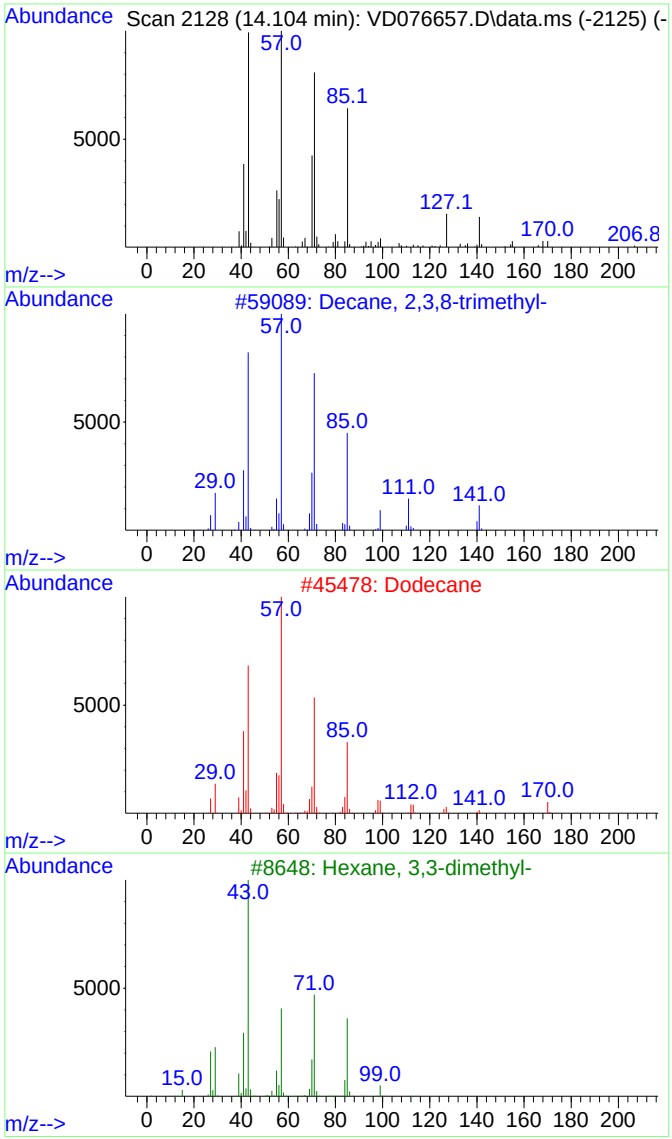
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

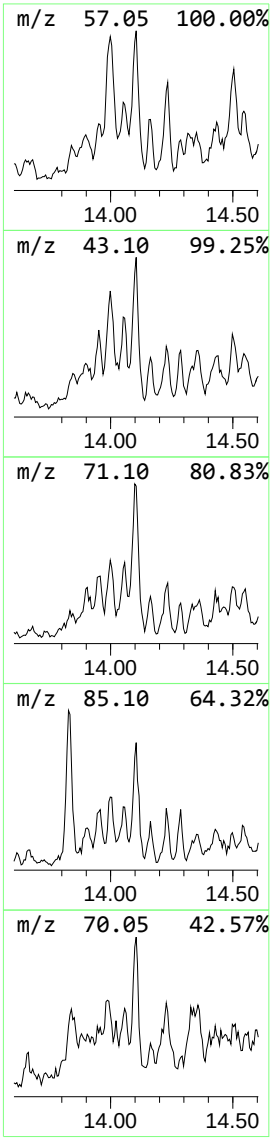
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.104	41.22 ug/L	340368	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	59
2	Dodecane	170	C12H26	000112-40-3	59
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	52
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

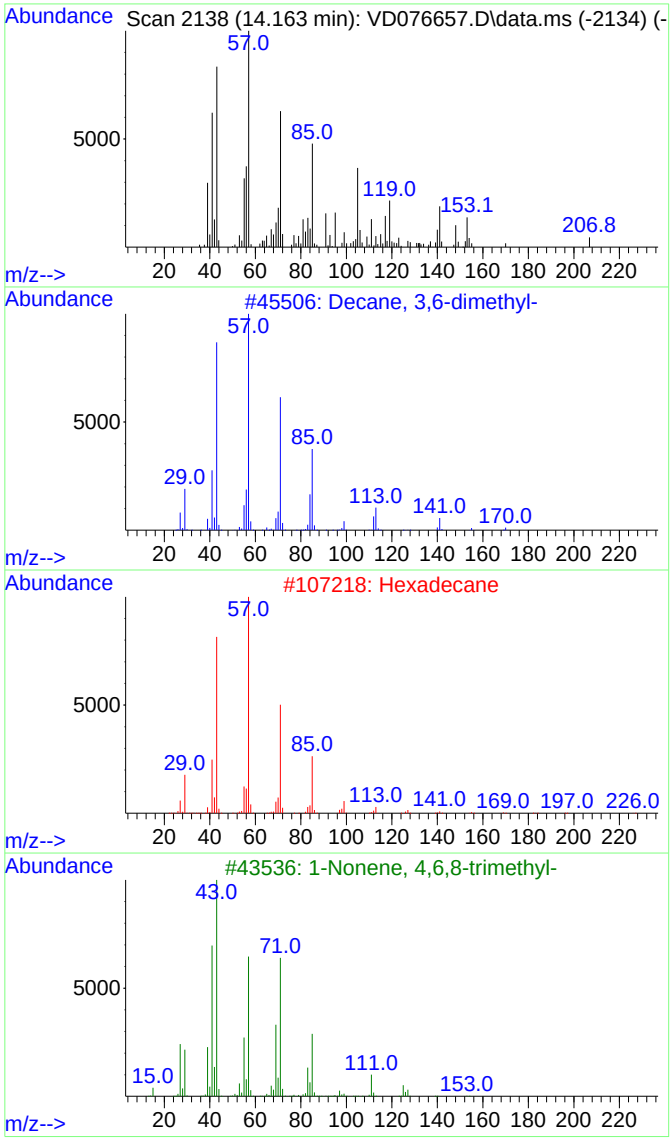
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

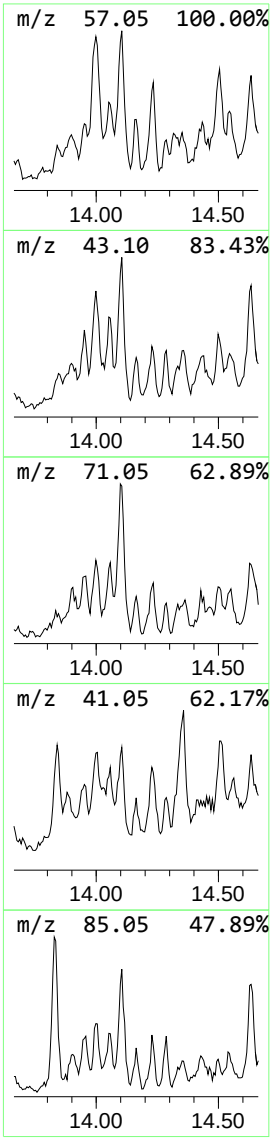
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.163	21.13 ug/L	174526	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
2	Hexadecane	226	C16H34	000544-76-3	35
3	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	22
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	15
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

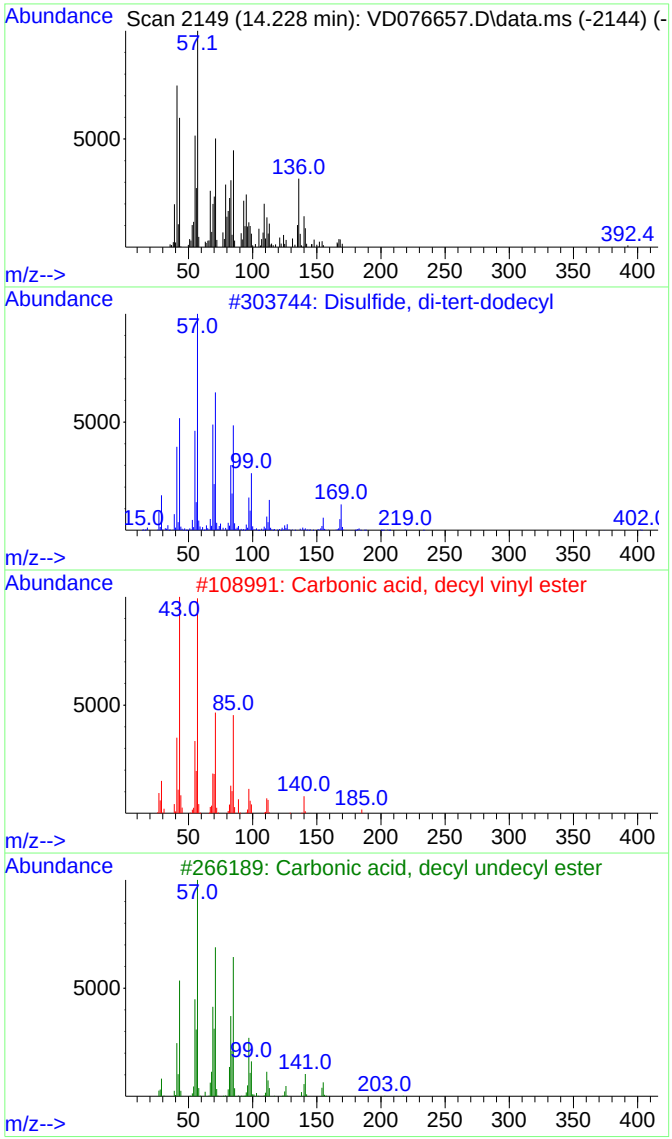
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

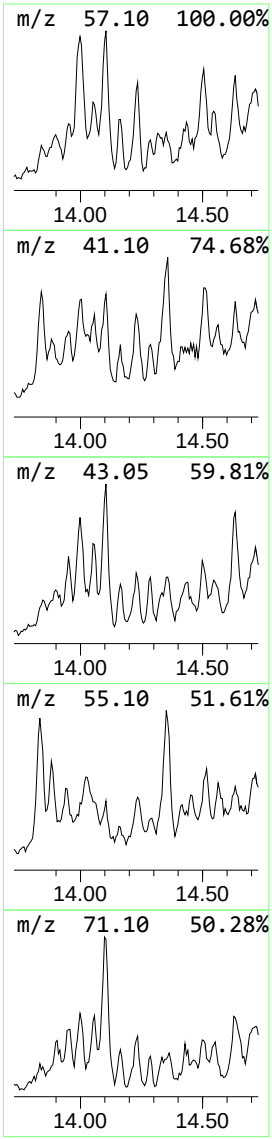
****

Peak Number 43 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.228	42.83 ug/L	353681	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	46
2	Carbonic acid, decyl vinyl ester	228	C13H24O3	1000383-25-7	46
3	Carbonic acid, decyl undecyl ester	356	C22H44O3	1000383-16-0	43
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

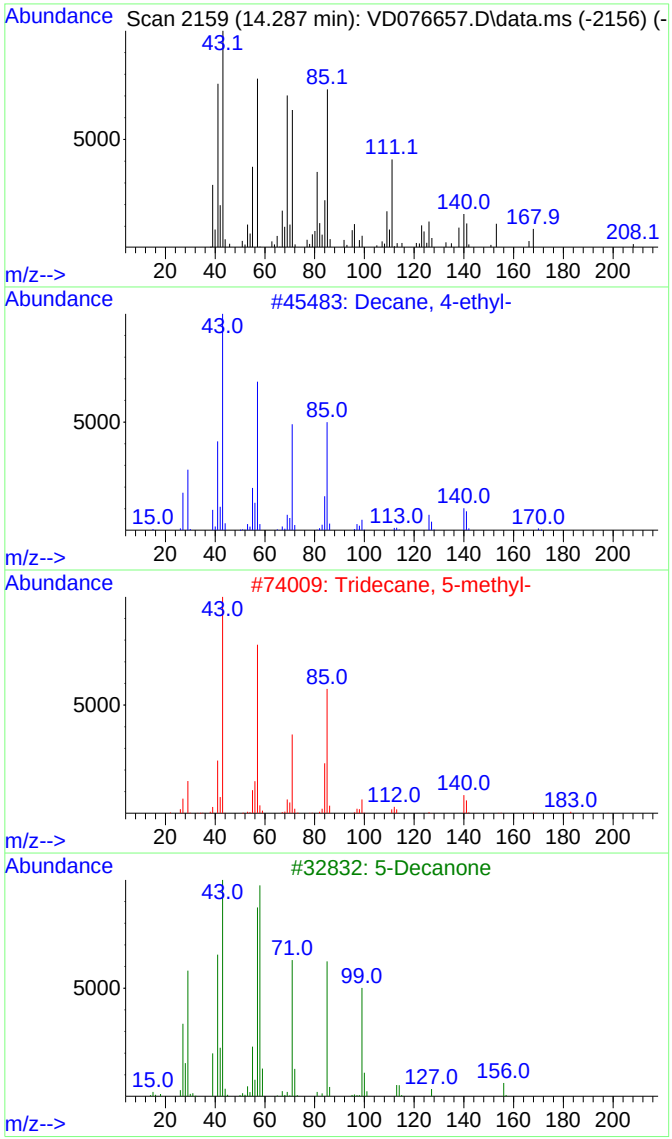
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

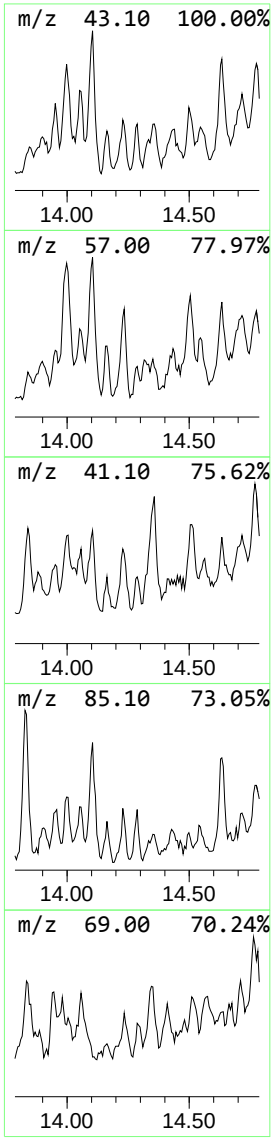
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.287	12.81 ug/L	105772	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-	170	C12H26	001636-44-8	50
2	Tridecane, 5-methyl-	198	C14H30	025117-31-1	35
3	5-Decanone	156	C10H20O	000820-29-1	27
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	22
5	Decane, 5-propyl-	184	C13H28	017312-62-8	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

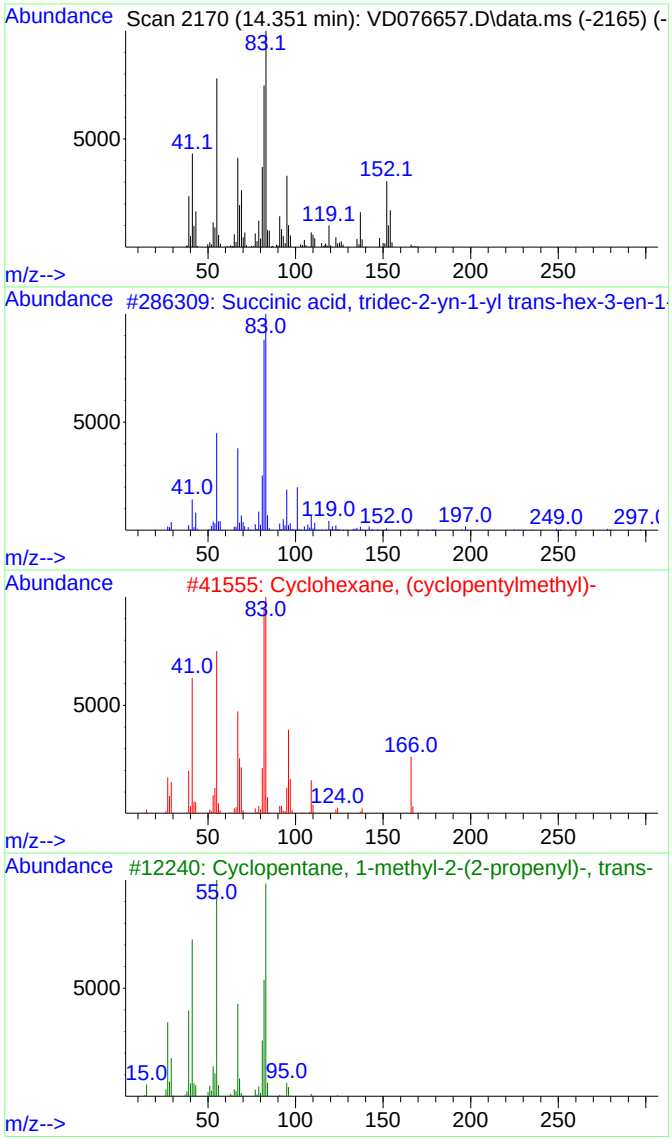
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

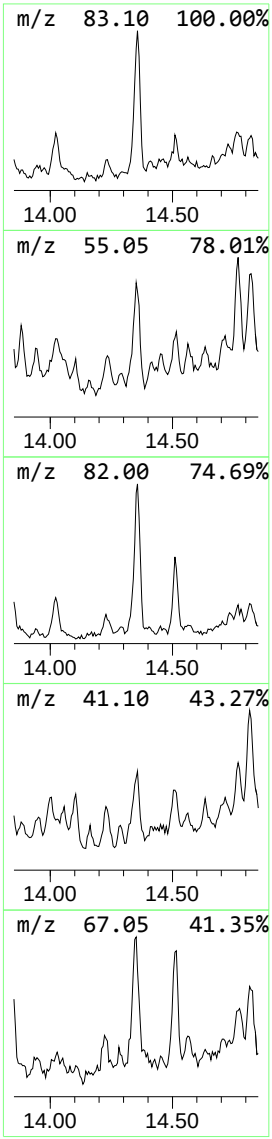
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Succinic acid, tridec-2-yn-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	75.66 ug/L	624804	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	59
2	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	53
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	53
4	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	52
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

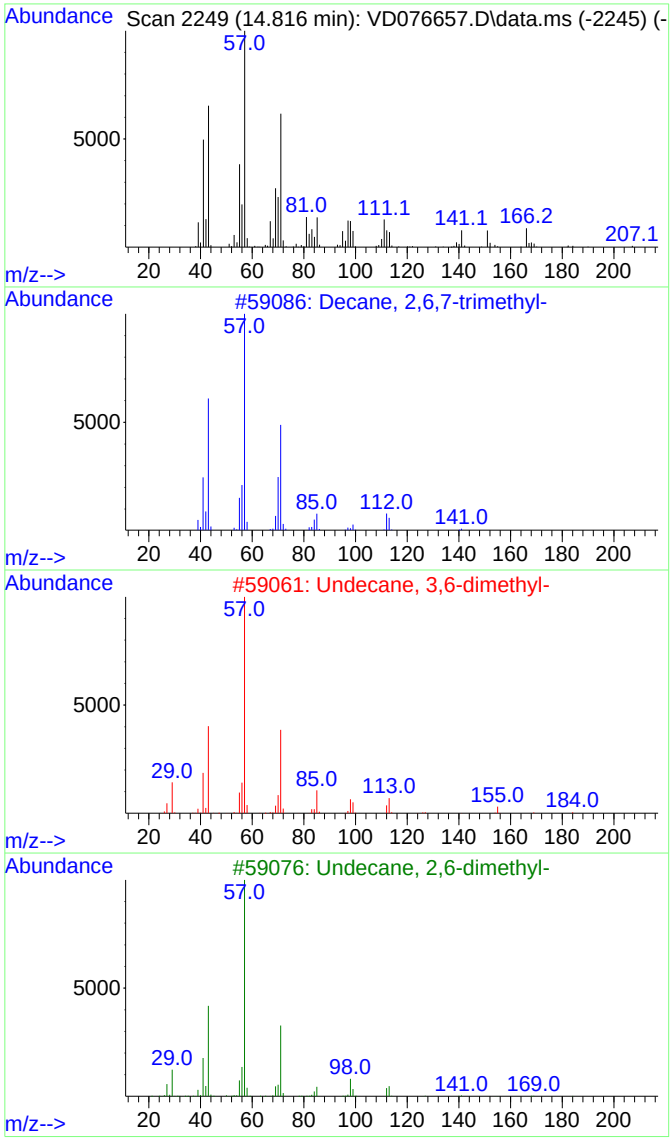
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

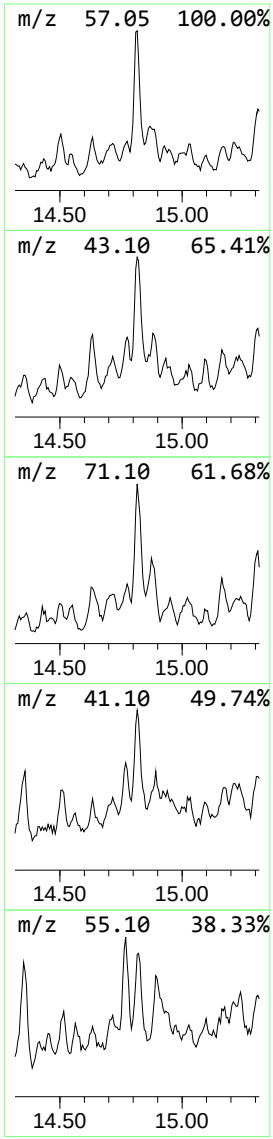
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	90.41 ug/L	746616	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	62
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
4	Allyl n-octyl ether	170	C11H22O	003295-97-4	49
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
Acq On : 30 Jun 2023 12:49
Operator : KP/SY
Sample : 03472-12
Misc : 5.20G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.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
Ethane, 1,2-dic...	3.687	8.9	ug/L	178239	1	8.775	501819	25.0
unknown-01	5.834	1.6	ug/L	31061	1	8.775	501819	25.0
(DEL) Alkane: S...	7.963	1.8	ug/L	36976	1	8.775	501819	25.0
(DEL) Alkane: S...	8.081	3.2	ug/L	65128	1	8.775	501819	25.0
(DEL) Alkane: S...	8.416	22.2	ug/L	446337	1	8.775	501819	25.0
(DEL) Alkane: S...	8.634	2.2	ug/L	44261	1	8.775	501819	25.0
(DEL) Alkane: S...	9.328	3.5	ug/L	70053	1	8.775	501819	25.0
(DEL) Alkane: S...	9.522	1.9	ug/L	37416	1	8.775	501819	25.0
(DEL) Alkane: C...	9.699	3.7	ug/L	74864	1	8.775	501819	25.0
(DEL) Alkane: S...	9.846	3.4	ug/L	67980	1	8.775	501819	25.0
(DEL) Alkane: S...	9.905	2.6	ug/L	52933	1	8.775	501819	25.0
unknown-02	9.975	5.3	ug/L	106593	1	8.775	501819	25.0
(DEL) Alkane: S...	10.046	4.2	ug/L	84520	1	8.775	501819	25.0
(DEL) Alkane: S...	10.451	8.2	ug/L	150394	2	11.581	459105	25.0
(DEL) Alkane: C...	10.610	10.3	ug/L	189374	2	11.581	459105	25.0
(DEL) Alkane: C...	10.710	9.8	ug/L	180579	2	11.581	459105	25.0
(DEL) Alkane: C...	11.063	6.5	ug/L	118705	2	11.581	459105	25.0
(DEL) Alkane: C...	11.128	9.9	ug/L	182117	2	11.581	459105	25.0
(DEL) Alkane: C...	11.181	25.0	ug/L	459880	2	11.581	459105	25.0
(DEL) Alkane: C...	11.234	7.9	ug/L	145760	2	11.581	459105	25.0
(DEL) Alkane: C...	11.287	3.5	ug/L	65036	2	11.581	459105	25.0
(DEL) Alkane: C...	11.387	19.3	ug/L	354603	2	11.581	459105	25.0
(DEL) Alkane: C...	11.716	9.6	ug/L	176642	2	11.581	459105	25.0
(DEL) Alkane: C...	11.769	7.8	ug/L	143887	2	11.581	459105	25.0
(DEL) Alkane: C...	11.828	32.2	ug/L	591369	2	11.581	459105	25.0
Cyclohexene, 3-...	11.993	5.0	ug/L	91043	2	11.581	459105	25.0
(DEL) Alkane: C...	12.093	32.9	ug/L	604018	2	11.581	459105	25.0
(DEL) Alkane: C...	12.257	6.6	ug/L	121971	2	11.581	459105	25.0
1H-Indene, octa...	12.293	10.6	ug/L	194631	2	11.581	459105	25.0
(DEL) Alkane: C...	12.340	3.7	ug/L	68439	2	11.581	459105	25.0
1-Methyl-2-meth...	12.510	5.7	ug/L	104102	2	11.581	459105	25.0
unknown-03	12.575	6.6	ug/L	54584	3	13.516	206454	25.0
(DEL) Alkane: C...	12.734	34.7	ug/L	286819	3	13.516	206454	25.0
1,4-Hexadiene, ...	12.822	20.8	ug/L	171765	3	13.516	206454	25.0
unknown-04	12.904	25.3	ug/L	208989	3	13.516	206454	25.0
unknown-05	13.040	11.4	ug/L	93930	3	13.516	206454	25.0
(DEL) Alkane: S...	13.099	7.9	ug/L	65155	3	13.516	206454	25.0
(DEL) Alkane: S...	13.128	46.3	ug/L	382355	3	13.516	206454	25.0
(DEL) Alkane: S...	13.257	9.8	ug/L	80912	3	13.516	206454	25.0
(DEL) Alkane: S...	14.104	41.2	ug/L	340368	3	13.516	206454	25.0
(DEL) Alkane: S...	14.163	21.1	ug/L	174526	3	13.516	206454	25.0
unknown-06	14.228	42.8	ug/L	353681	3	13.516	206454	25.0
(DEL) Alkane: S...	14.287	12.8	ug/L	105772	3	13.516	206454	25.0
Succinic acid, ...	14.351	75.7	ug/L	624804	3	13.516	206454	25.0
(DEL) Alkane: S...	14.816	90.4	ug/L	746616	3	13.516	206454	25.0