LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

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\SFAMDLM020124SMA.M
Title : SFAM01.0

Signal : TIC: VD078314.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	19	26	32	rVV	337463	559908	8.22%	0.317%
2	4.005	402	411	425	rVB	88874	288442	4.24%	0.163%
3	4.846	526	554	575	rBV	729991	3085615	45.32%	1.745%
4	5.328	618	636	652	rBV2	751803	2562260	37.63%	1.449%
5	5.840	707	723	739	rBV2	813388	2478367	36.40%	1.402%
6	6.616	841	855	866	rBV2	112395	375299	5.51%	0.212%
7	6.781	871	883	892	rVV3	153012	485730	7.13%	0.275%
8	6.893	892	902	912	rVV2	339314	1056578	15.52%	0.598%
9	7.616	1021	1025	1037	rVB2	157557	403811	5.93%	0.228%
10	7.851	1055	1065	1075	rBV3	1355217	3400081	49.94%	1.923%
11	7.963	1075	1084	1095	rVB	600908	1545772	22.70%	0.874%
12	8.087	1095	1105	1113	rBV	2021939	4651430	68.32%	2.631%
13	8.204	1119	1125	1141	rVB2	208962	647205	9.51%	0.366%
14	8.363	1141	1152	1158	rBV4	421626	1074127	15.78%	0.607%
15	8.440	1158	1165	1171	rVV3	241959	609178	8.95%	0.345%
16	8.504	1171	1176	1187	rVB3	293722	660749	9.70%	0.374%
17	8.634	1187	1198	1213	rBV	2070597	4019894	59.04%	2.273%
18	8.775	1214	1222	1230	rBV	226191	486758	7.15%	0.275%
19	9.275	1289	1307	1312	rBV2	1257840	3363444	49.40%	1.902%
20	9.328	1312	1316	1324	rVB	480692	906253	13.31%	0.513%
21	9.522	1343	1349	1351	rBV2	180126	323250	4.75%	0.183%
22	9.693	1370	1378	1391	rBV3	237716	524217	7.70%	0.296%
23	9.846	1391	1404	1408	rBV	538733	1043329	15.32%	0.590%
24	9.904	1408	1414	1418	rBV	1705323	3184674	46.77%	1.801%
25	10.045	1429	1438	1452	rVB	2592869	5971983	87.71%	3.377%
26	10.263	1468	1475	1480	rBV	929830	1821813	26.76%	1.030%
27	10.304	1480	1482	1492	rVB2	253701	521574	7.66%	0.295%
28	10.457	1500	1508	1515	rVB	3563312	5904163	86.71%	3.339%
29	10.610	1529	1534	1544	rVB	414363	756342	11.11%	0.428%
30	10.710	1544	1551	1556	rBV3	280123	638671	9.38%	0.361%
31	10.798	1562	1566	1572	rVB	327590	516803	7.59%	0.292%
32	10.887	1572	1581	1588	rBV2	482560	957922	14.07%	0.542%
33	10.993	1593	1599	1606	rVV	560724	1238730	18.19%	0.701%
34	11.057	1606	1610	1614	rVV2	291328	531388	7.80%	0.301%
35	11.128	1614	1622	1626	rVV	694608	1352701	19.87%	0.765%
36	11.181	1626	1631	1637	rVV2	717516	1327986	19.50%	0.751%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

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\SFAMDLM020124SMA.M
Title : SFAM01.0

37	11.292	1644	1650	1654	rVV3	491323	902792	13.26%	0.511%
38	11.369	1654	1663	1673	rVB3	1814757	4379666	64.32%	2.477%
39	11.469	1673	1680	1693	rBV	1525102	2531284	37.18%	1.432%
40	11.581	1693	1699	1704	rBV	236482	418644	6.15%	0.237%
41	11.681	1709	1716	1725	rBV	3819072	6260109	91.94%	3.540%
42	11.798	1725	1736	1745	rBV3	3234105	6808752	100.00%	3.851%
43	11.869	1745	1748	1754	rVB3	322286	508373	7.47%	0.288%
44	12.116	1778	1790	1798	rBV2	1578280	3730836	54.79%	2.110%
45	12.210	1802	1806	1810	rVB	286087	389158	5.72%	0.220%
46	12.292	1815	1820	1823	rBV2	407688	629565	9.25%	0.356%
47	12.334	1823	1827	1832	rVB3	410851	729784	10.72%	0.413%
48	12.610	1871	1874	1877	rVV	269205	371215	5.45%	0.210%
49	12.651	1877	1881	1887	rVV2	258498	467184	6.86%	0.264%
50	12.739	1890	1896	1904	rVB3	453863	1235971	18.15%	0.699%
51	12.828	1904	1911	1914	rBV	1259800	2264107	33.25%	1.280%
52	12.857	1914	1916	1918	rVV	637571	813062	11.94%	0.460%
53	12.898	1918	1923	1929	rVV2	4001831	6721950	98.73%	3.802%
54	12.951	1929	1932	1937	rVB2	205925	307804	4.52%	0.174%
55	13.063	1943	1951	1958	rBV	1771583	3145262	46.19%	1.779%
56	13.128	1958	1962	1970	rVB2	460024	775713	11.39%	0.439%
57	13.210	1970	1976	1982	rBV	4371224	6547411	96.16%	3.703%
58	13.339	1995	1998	2002	rVB2	235656	338251	4.97%	0.191%
59	13.404	2002	2009	2014	rBV2	898914	1647371	24.19%	0.932%
60	13.457	2014	2018	2025	rVV3	481047	904007	13.28%	0.511%
61	13.545	2025	2033	2038	rVV	2754287	4490528	65.95%	2.540%
62	13.681	2051	2056	2058	rVV	558780	865353	12.71%	0.489%
63	13.710	2058	2061	2065	rVV2	1598411	2567338	37.71%	1.452%
64	13.751	2065	2068	2077	rVV2	1918751	3298423	48.44%	1.865%
65	13.839	2077	2083	2088	rVV2	2593050	3913222	57.47%	2.213%
66	13.910	2090	2095	2100	rVV	1066576	1728111	25.38%	0.977%
67	13.975	2101	2106	2108	rVV	1072232	1670236	24.53%	0.945%
68	14.004	2108	2111	2116	rVV	1438480	2137141	31.39%	1.209%
69	14.063	2116	2121	2126	rVB	1661160	2494174	36.63%	1.411%
70	14.169	2133	2139	2144	rVB3	1495962	2442749	35.88%	1.382%
71	14.222	2144	2148	2156	rBV6	332156	874577	12.84%	0.495%
72	14.304	2156	2162	2166	rBV2	950186	1699813	24.97%	0.961%
73	14.351	2166	2170	2172	rVV3	655305	1122983	16.49%	0.635%
74	14.381	2172	2175	2179	rVV2	1132688	2097024	30.80%	1.186%
75	14.422	2179	2182	2186	rVV	1880446	2609925	38.33%	1.476%
76	14.469	2186	2190	2193	rVV2	850284	1179131	17.32%	0.667%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

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\SFAMDLM020124SMA.M
Title : SFAM01.0

77	14.510	2193	2197	2204	rVV4	689076	1148400	16.87%	0.649%
78	14.604	2208	2213	2217	rVB3	482792	882831	12.97%	0.499%
79	14.651	2217	2221	2225	rBV3	493284	882113	12.96%	0.499%
80	14.698	2225	2229	2234	rVB2	1741665	2445633	35.92%	1.383%
81	14.757	2234	2239	2247	rBV3	3039519	6461464	94.90%	3.654%
82	14.822	2247	2250	2256	rVB2	508547	859917	12.63%	0.486%
83	14.922	2263	2267	2272	rBV	686993	986898	14.49%	0.558%
84	15.033	2281	2286	2299	rBV3	725519	1788021	26.26%	1.011%
85	15.139	2299	2304	2311	rVB3	739258	1518520	22.30%	0.859%
86	15.233	2315	2320	2325	rVB3	273796	536431	7.88%	0.303%
87	15.298	2325	2331	2334	rBV5	355764	808033	11.87%	0.457%
88	15.386	2341	2346	2350	rBV2	266683	493048	7.24%	0.279%
89	15.439	2350	2355	2359	rBV2	307907	576061	8.46%	0.326%
90	15.528	2366	2370	2378	rVB2	784448	1340491	19.69%	0.758%
91	15.622	2378	2386	2393	rBV5	266742	853275	12.53%	0.483%
92	15.698	2394	2399	2404	rVV4	196044	395921	5.81%	0.224%
93	15.786	2404	2414	2417	rVV6	258130	808782	11.88%	0.457%
94	15.828	2417	2421	2427	rVB	488928	874787	12.85%	0.495%
95	15.916	2432	2436	2442	rVB4	234497	421131	6.19%	0.238%
96	15.992	2442	2449	2454	rBV5	153647	418753	6.15%	0.237%
97	16.139	2465	2474	2480	rBV2	550226	1307241	19.20%	0.739%
98	16.333	2501	2507	2512	rBV2	220958	449891	6.61%	0.254%
99	16.398	2512	2518	2524	rBV	795722	1614825	23.72%	0.913%
100	16.598	2544	2552	2561	rBV	698414	1650515	24.24%	0.933%

Sum of corrected areas: 176818428

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
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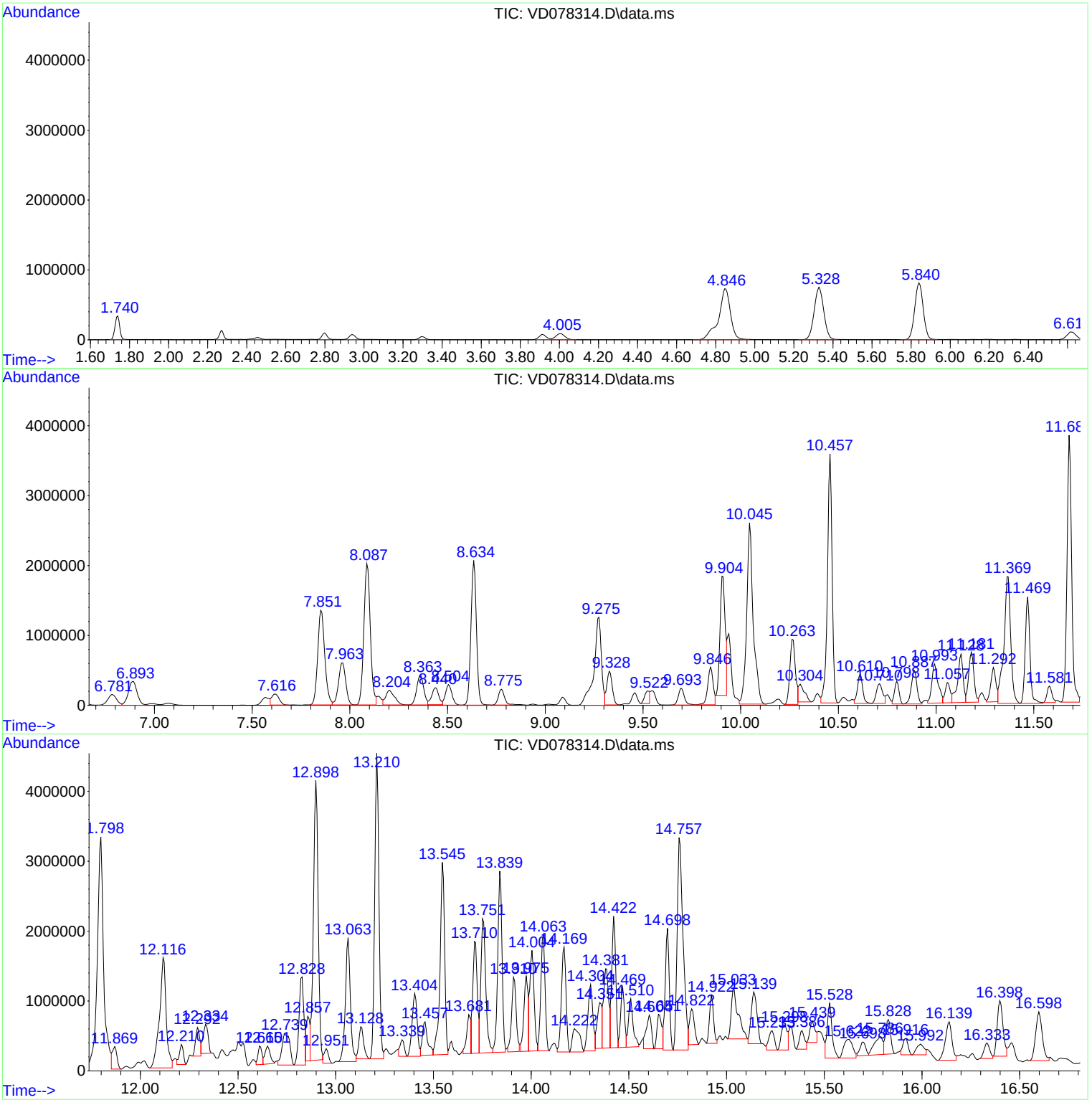
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

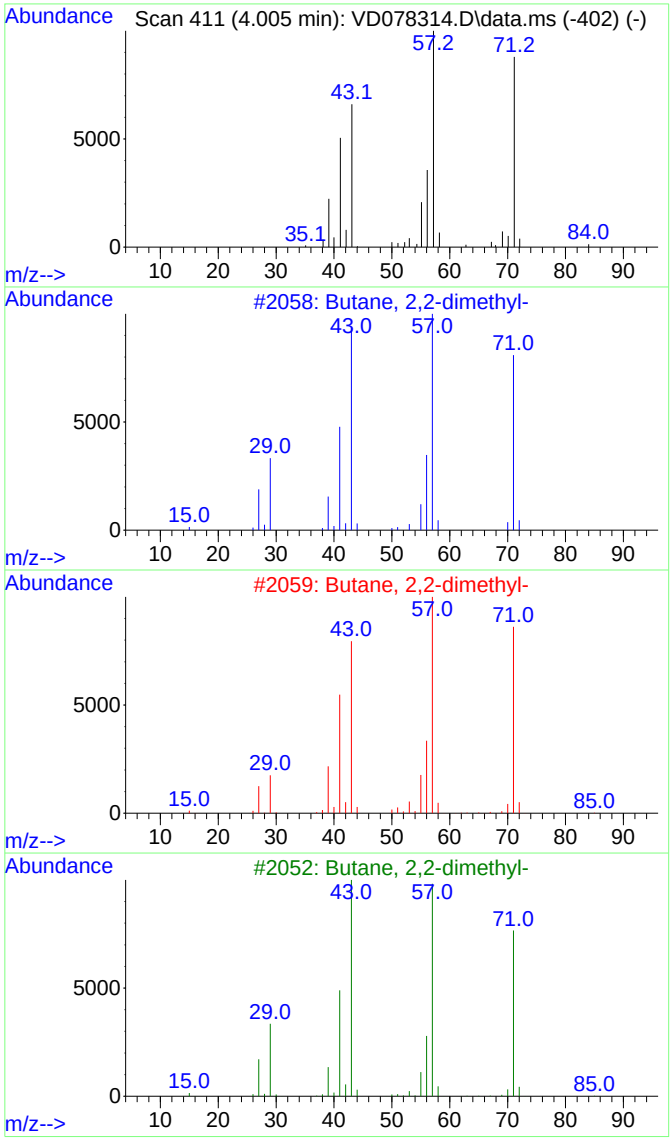
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

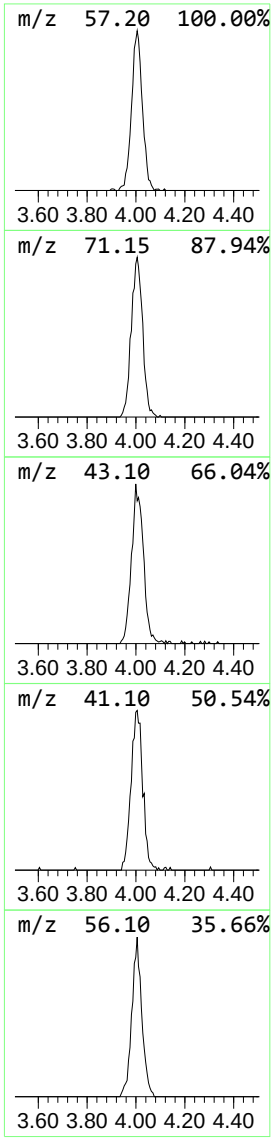
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.005	14.81 ug/L	288442	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
5	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

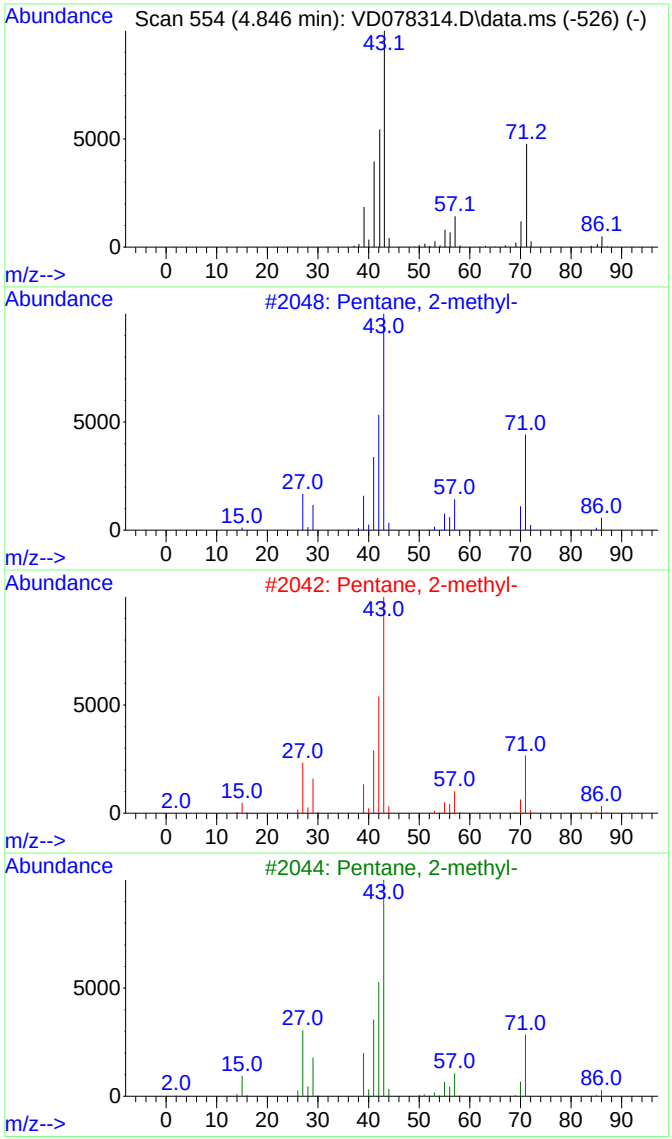
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

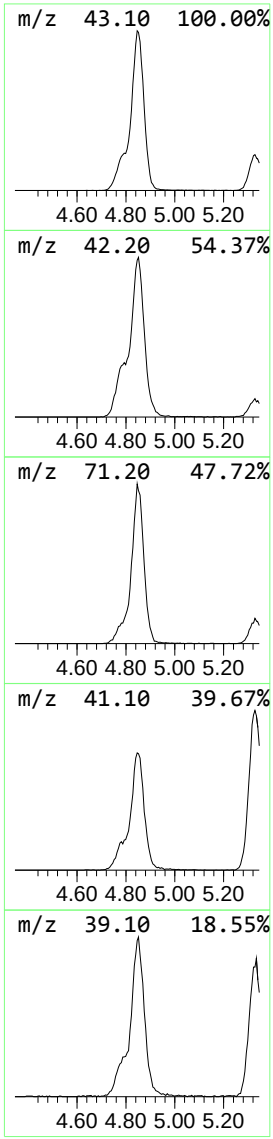
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.846	158.48 ug/L	3085620	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

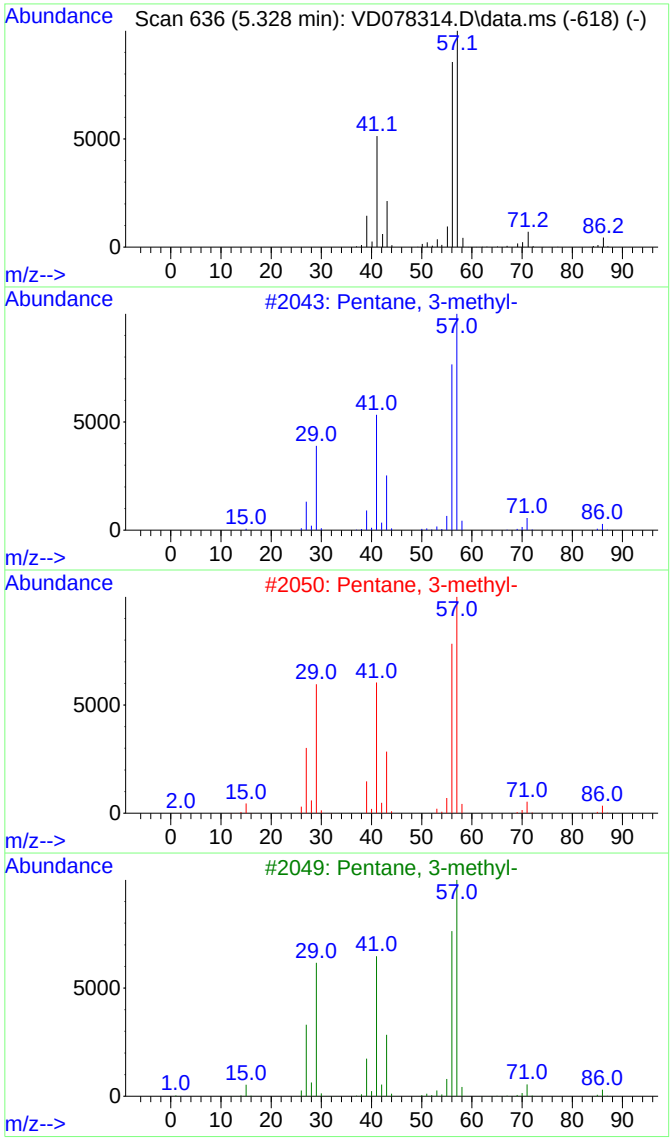
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

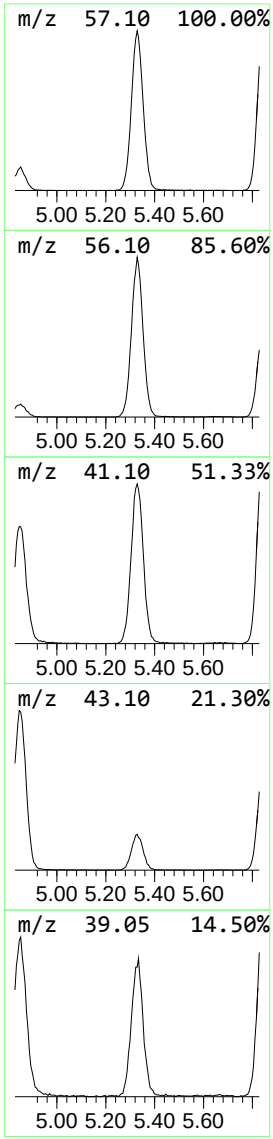
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.328	131.60 ug/L	2562260	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

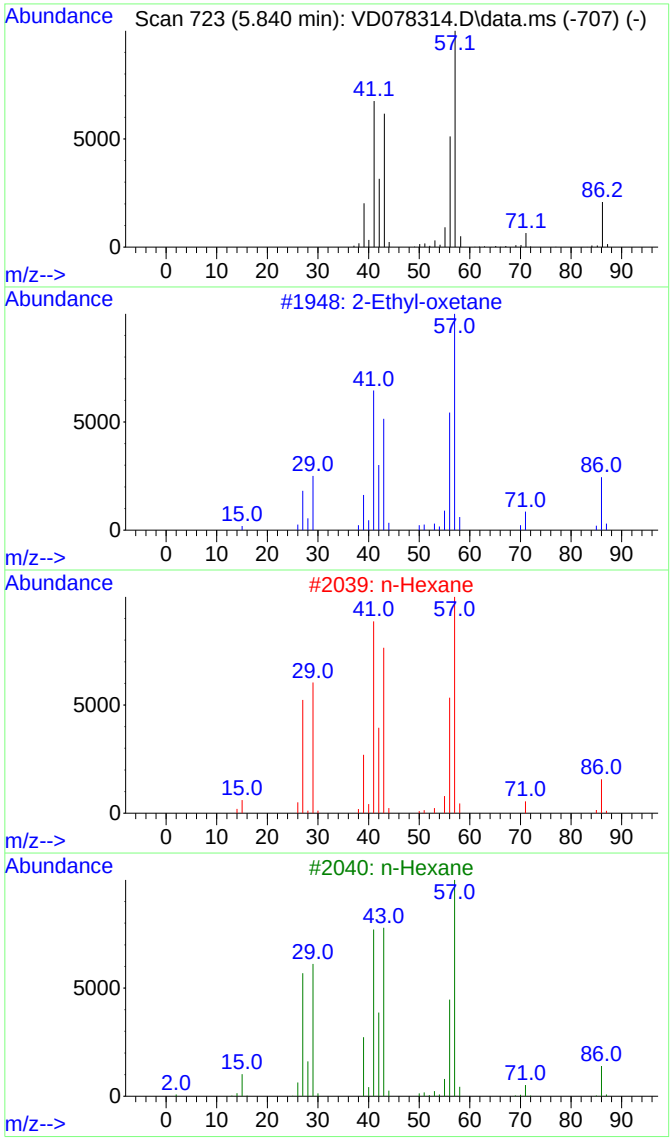
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

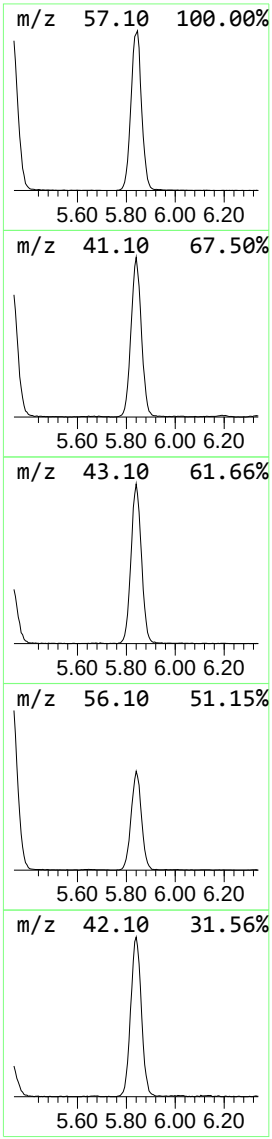
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Ethyl-oxetane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.840	127.29 ug/L	2478370	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	78
3	n-Hexane	86	C6H14	000110-54-3	72
4	n-Hexane	86	C6H14	000110-54-3	64
5	n-Hexane	86	C6H14	000110-54-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

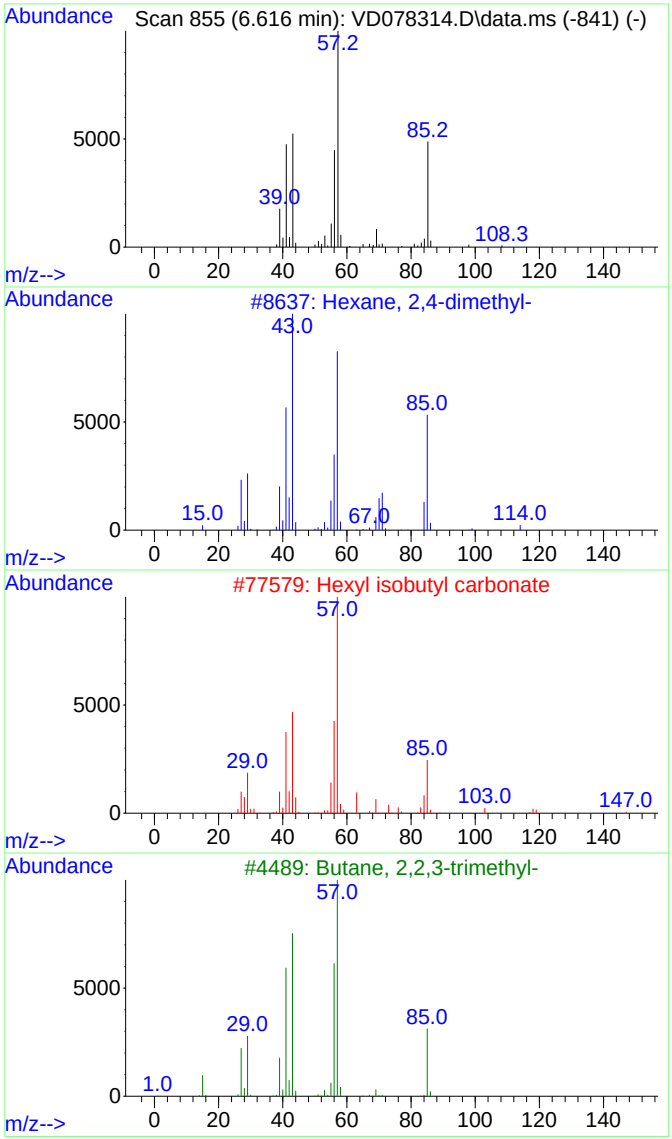
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

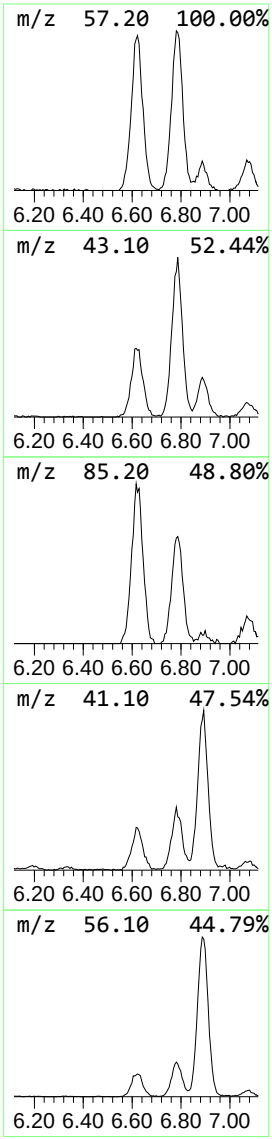
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.616	19.28 ug/L	375299	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	78
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

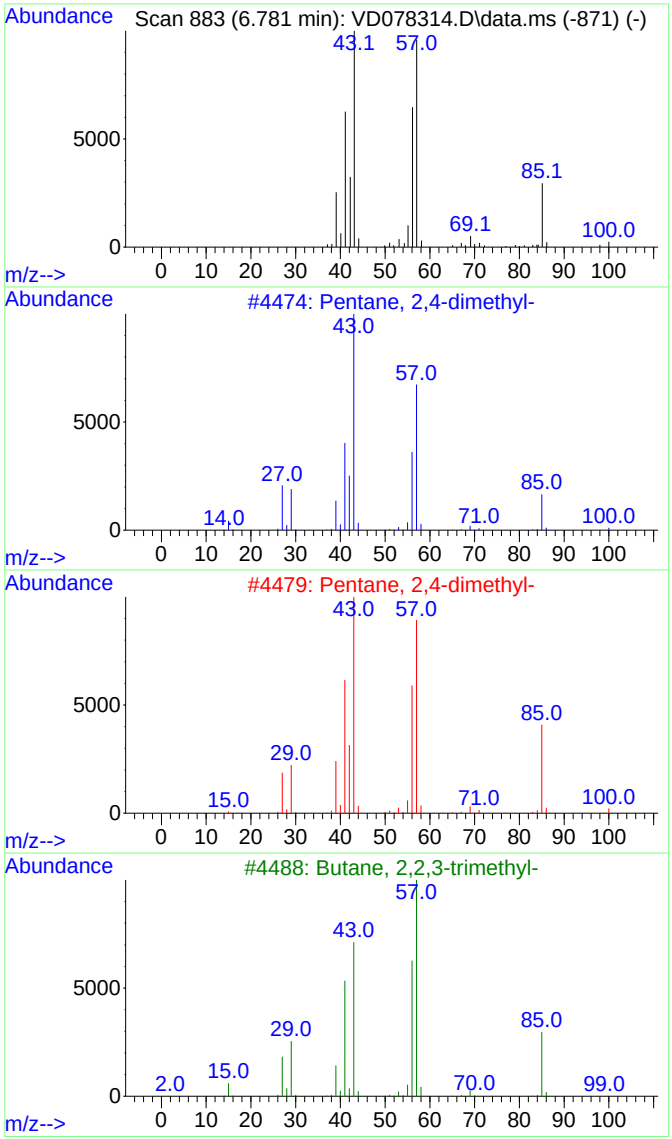
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

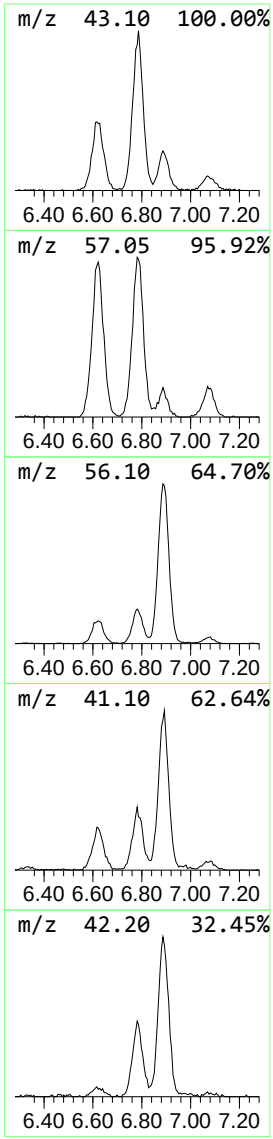
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.781	24.95 ug/L	485730	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

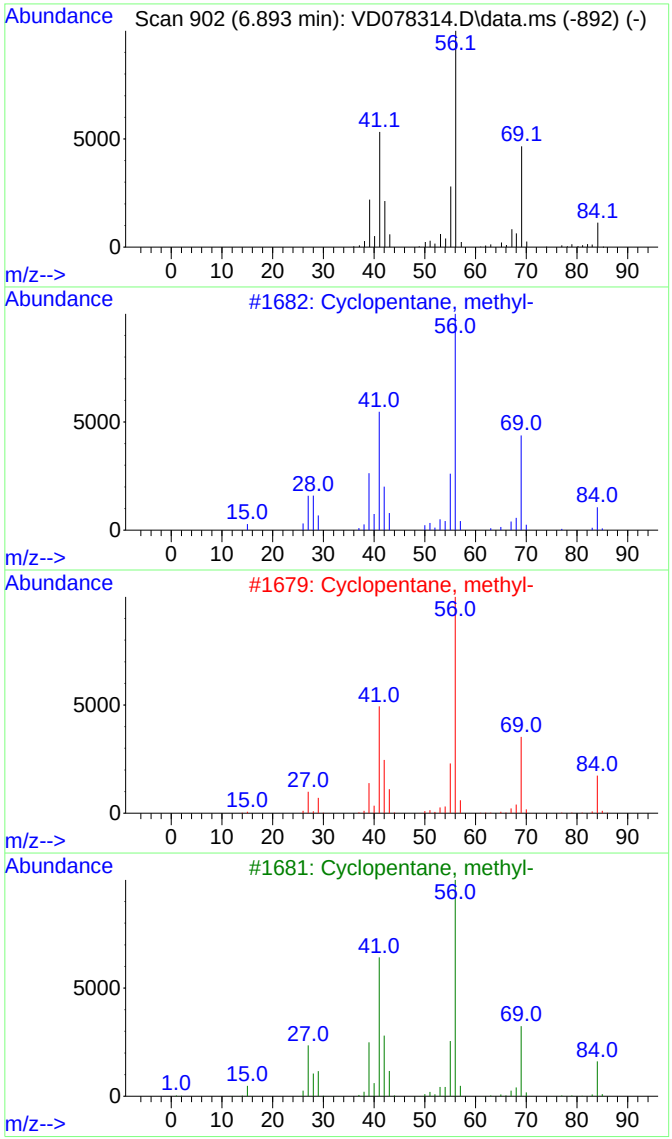
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

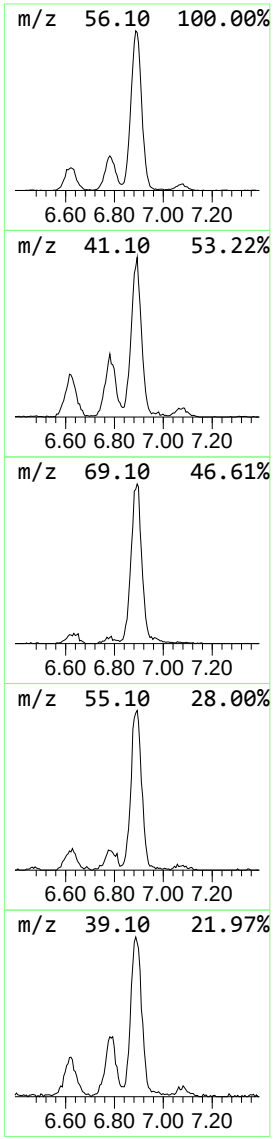
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic6.893 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.893	54.27 ug/L	1056580	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	72





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

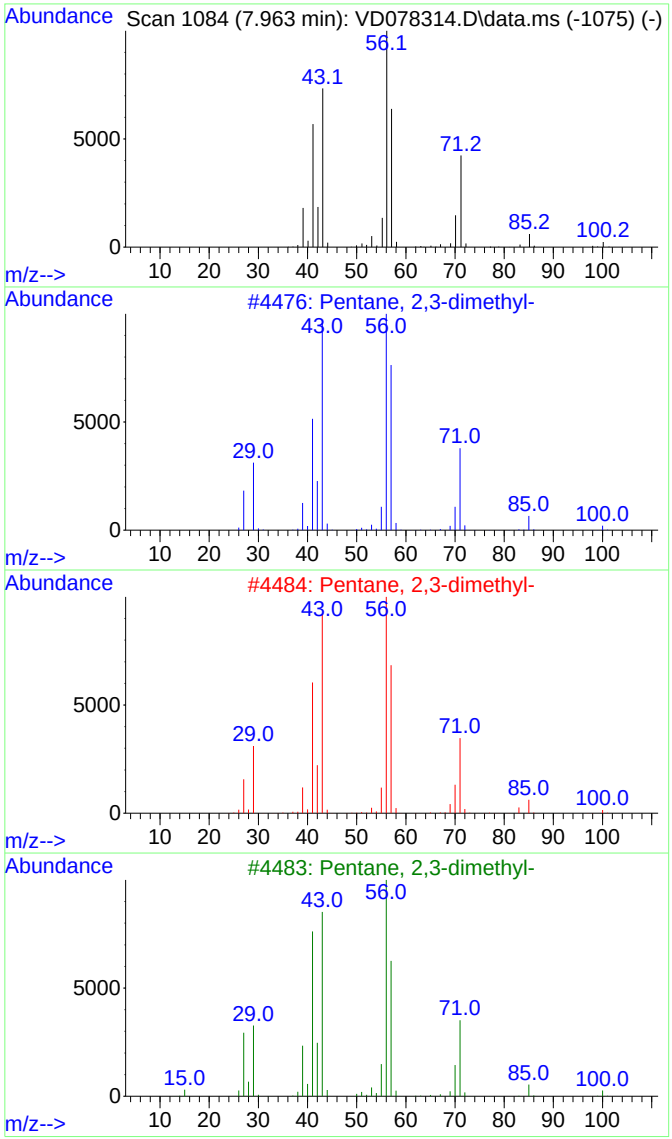
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

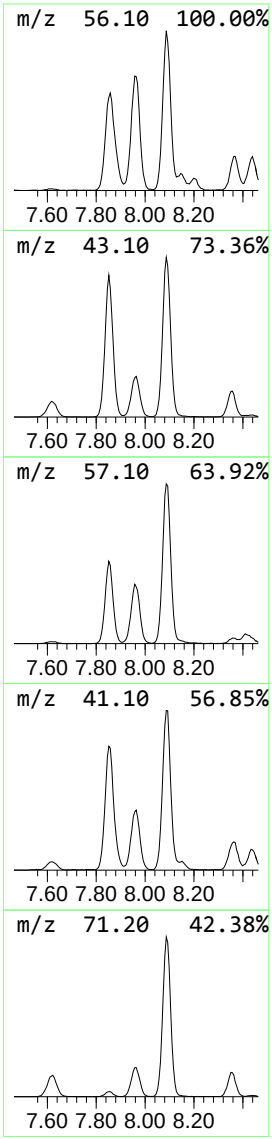
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.963	79.39 ug/L	1545770	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

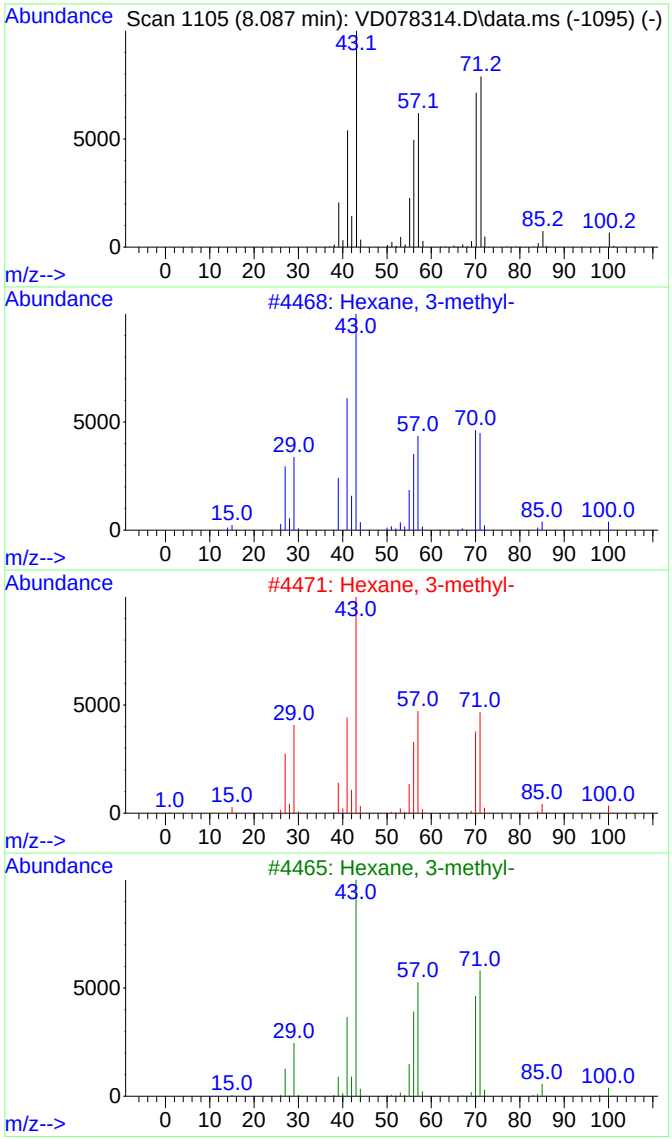
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

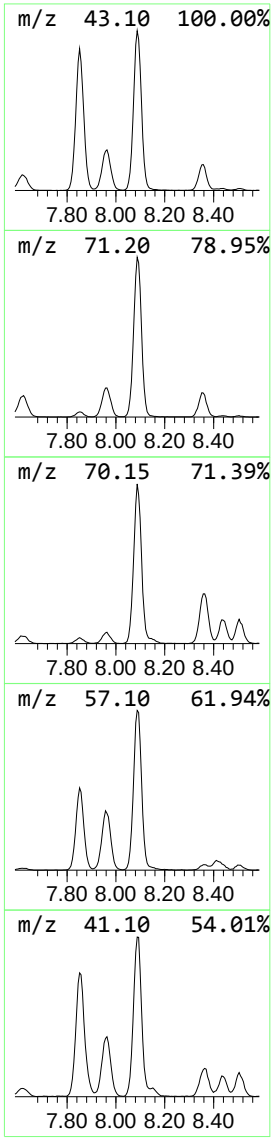
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.087	238.90 ug/L	4651430	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	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

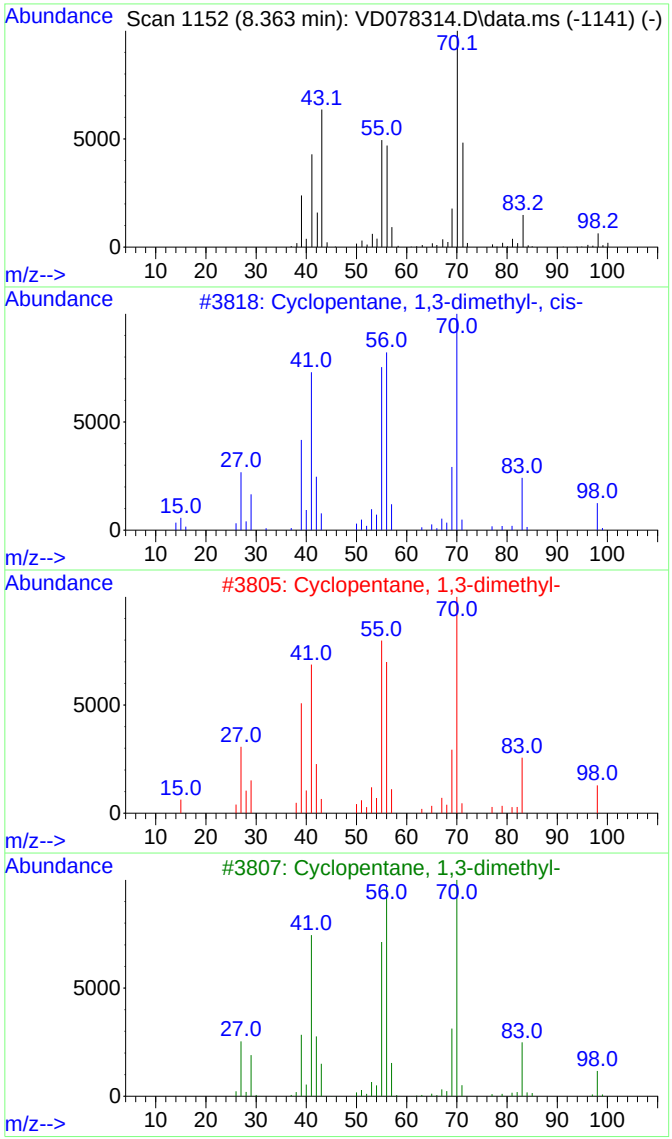
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

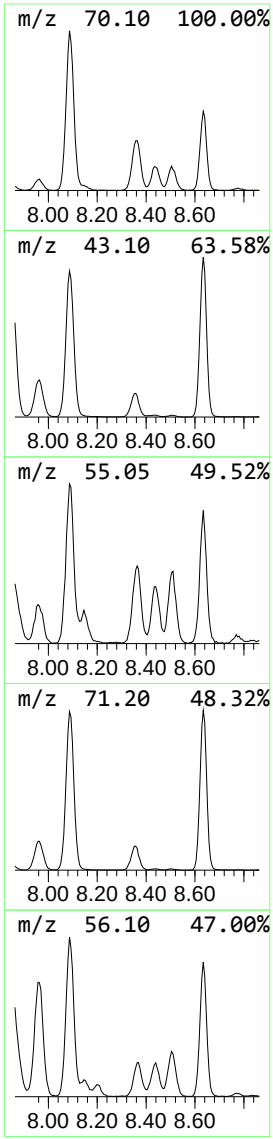
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic8.363 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.363	55.17 ug/L	1074130	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

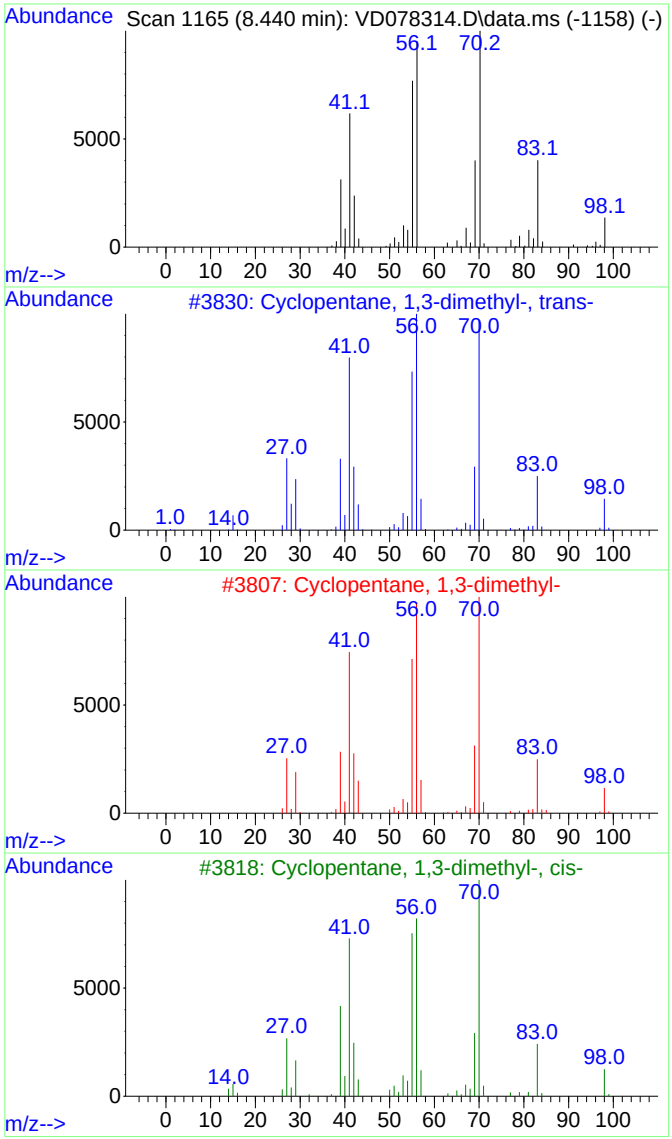
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

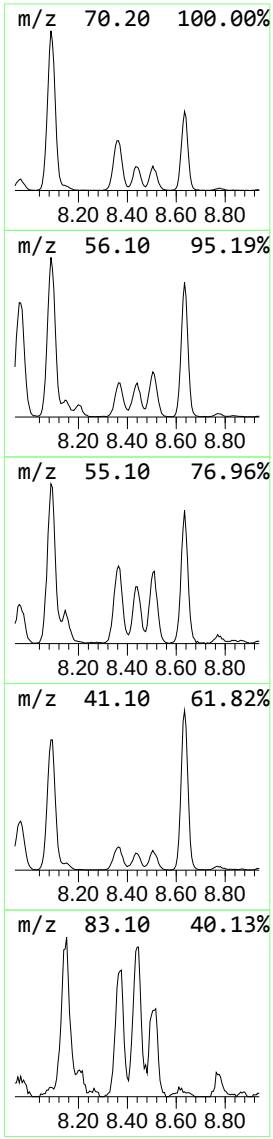
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic8.440 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.440	31.29 ug/L	609178	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

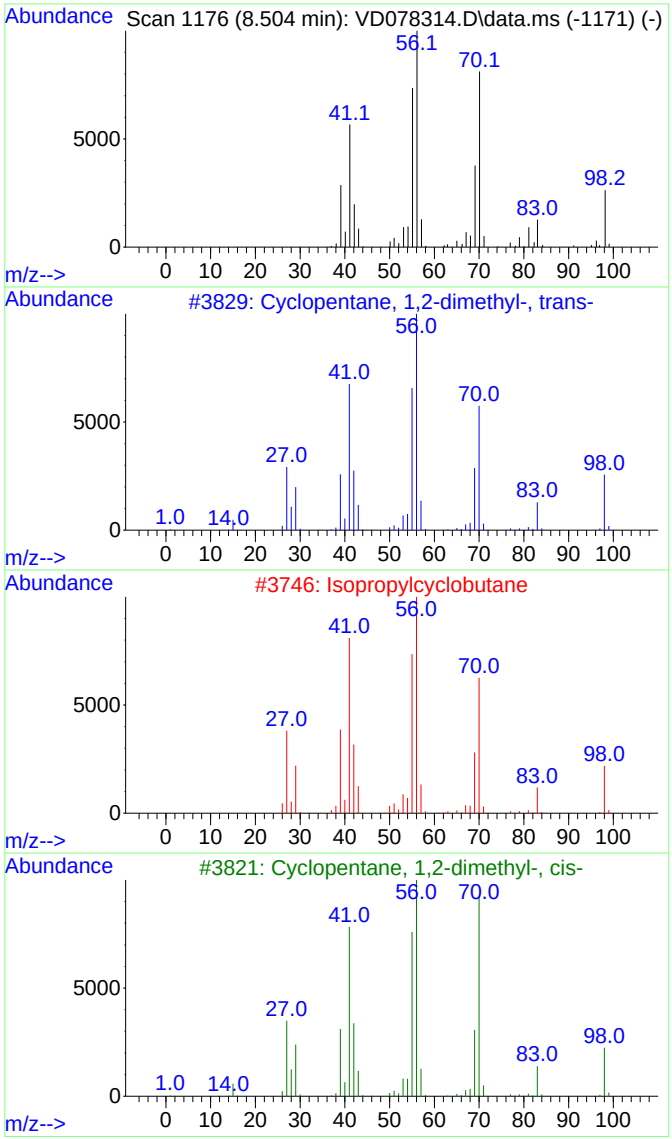
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

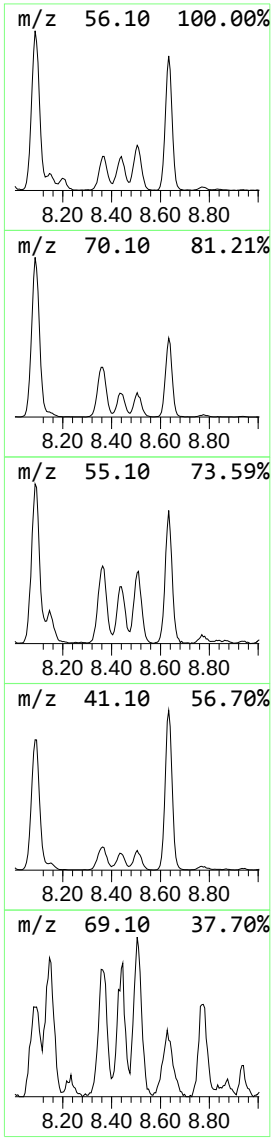
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic8.504 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.504	33.94 ug/L	660749	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2	Isopropylcyclobutane	98	C7H14	000872-56-0	90
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4	1-Heptene	98	C7H14	000592-76-7	83
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	83





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

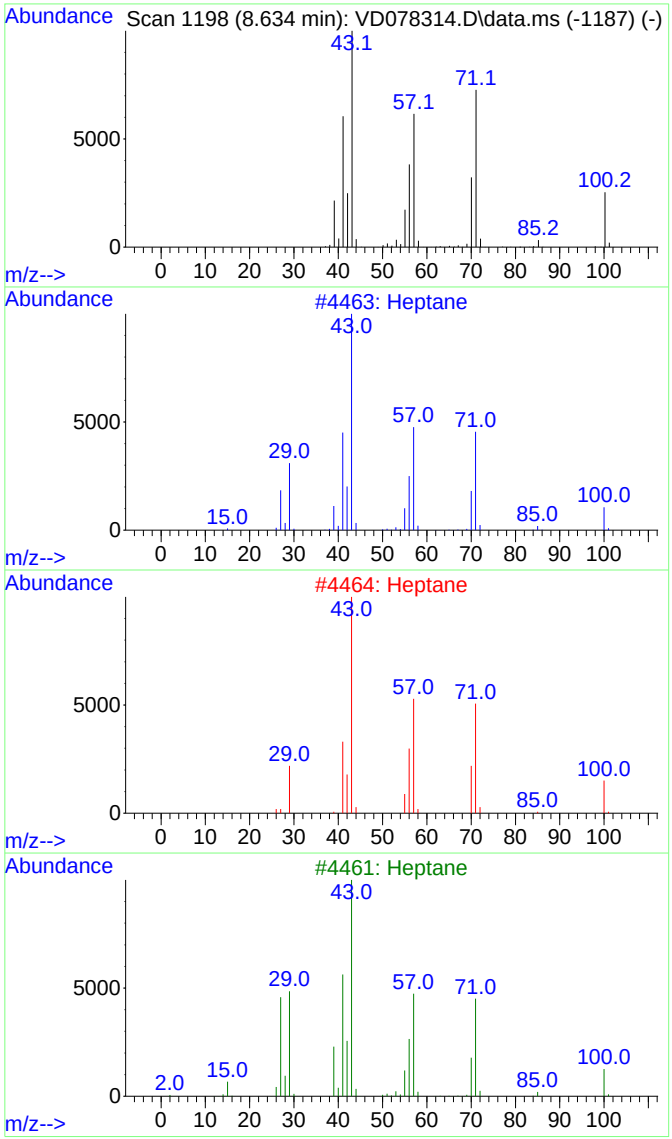
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

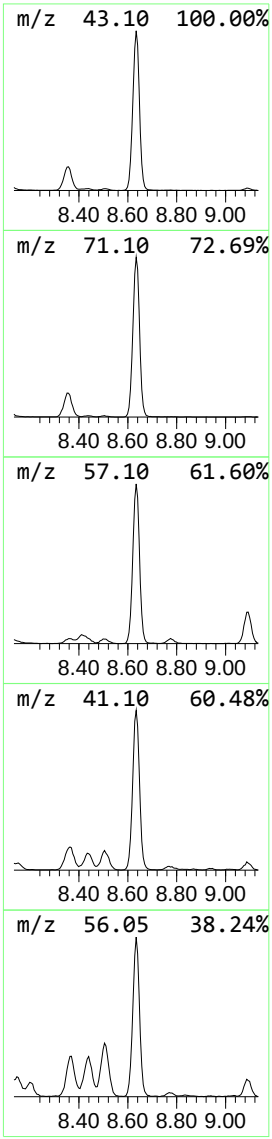
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.634	206.46 ug/L	4019890	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	80
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	58
5	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	155089-96-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

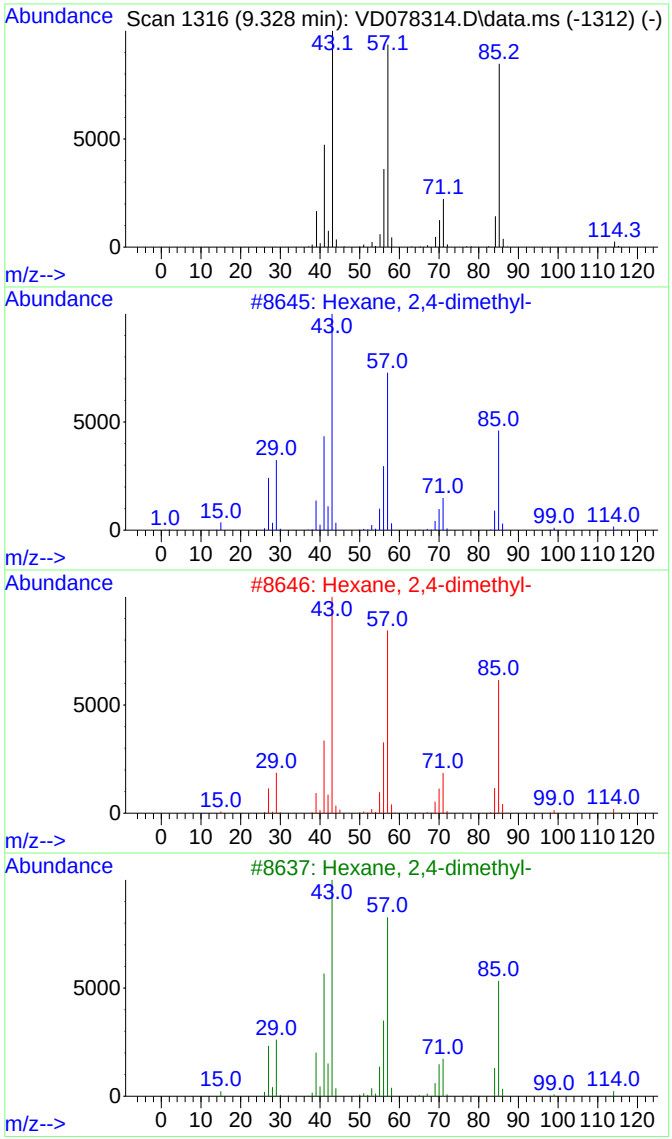
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

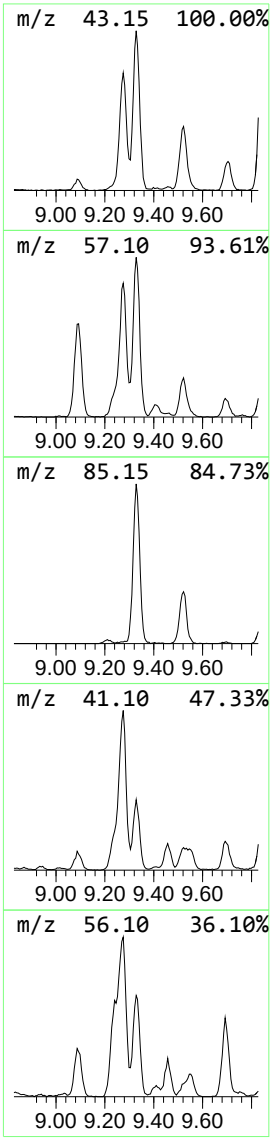
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	46.55 ug/L	906253	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
4	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	53
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

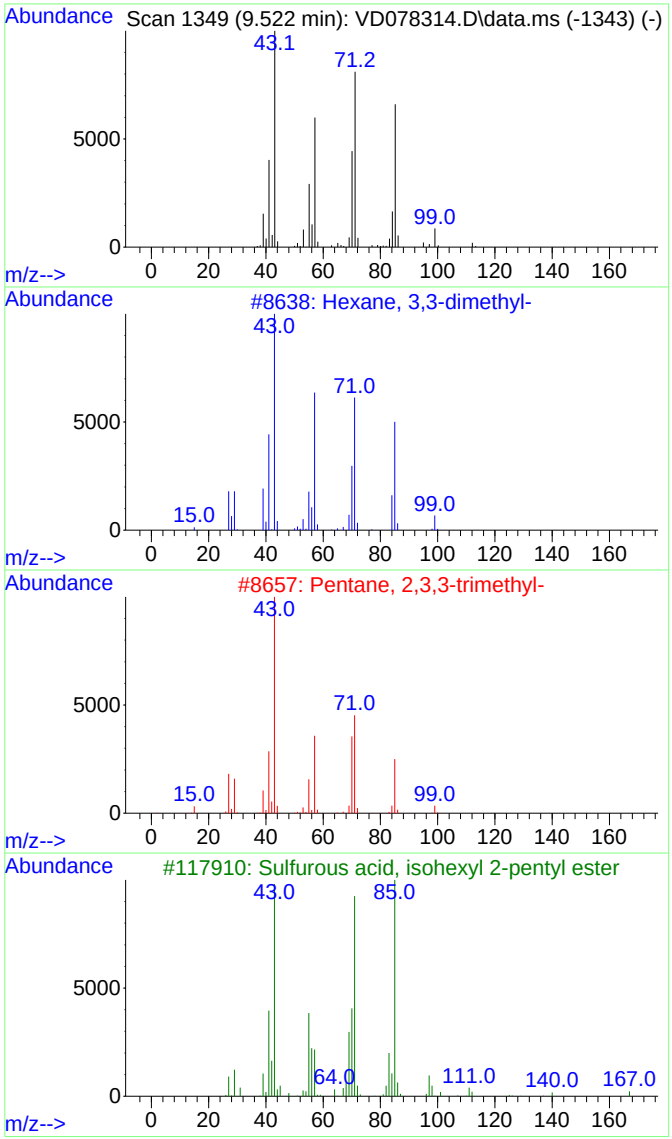
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

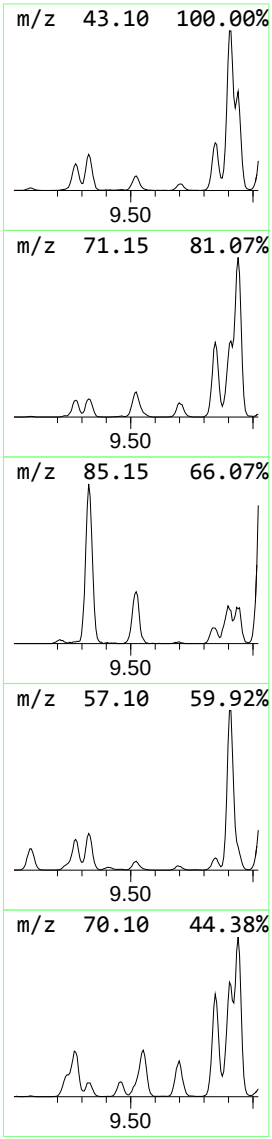
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	16.60 ug/L	323250	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	78
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	72
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	53





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

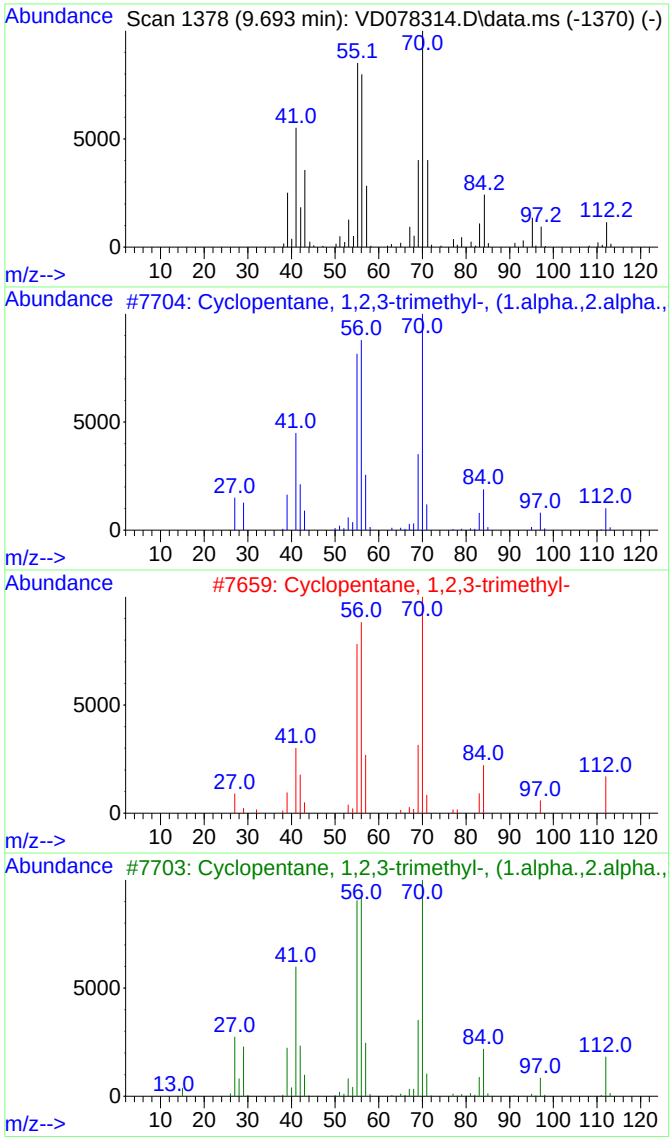
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

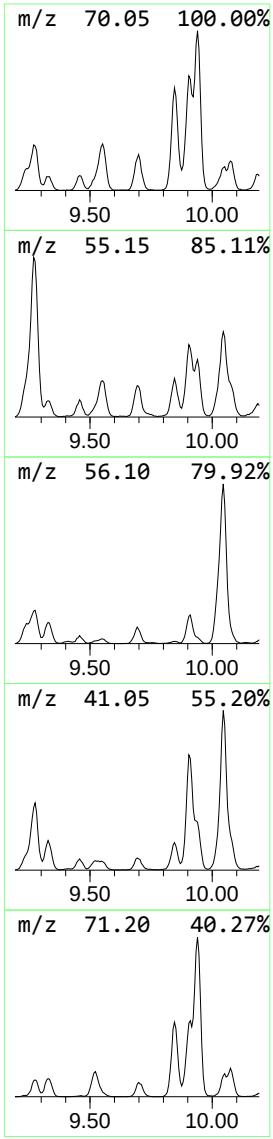
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic9.693 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.693	26.92 ug/L	524217	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	43





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

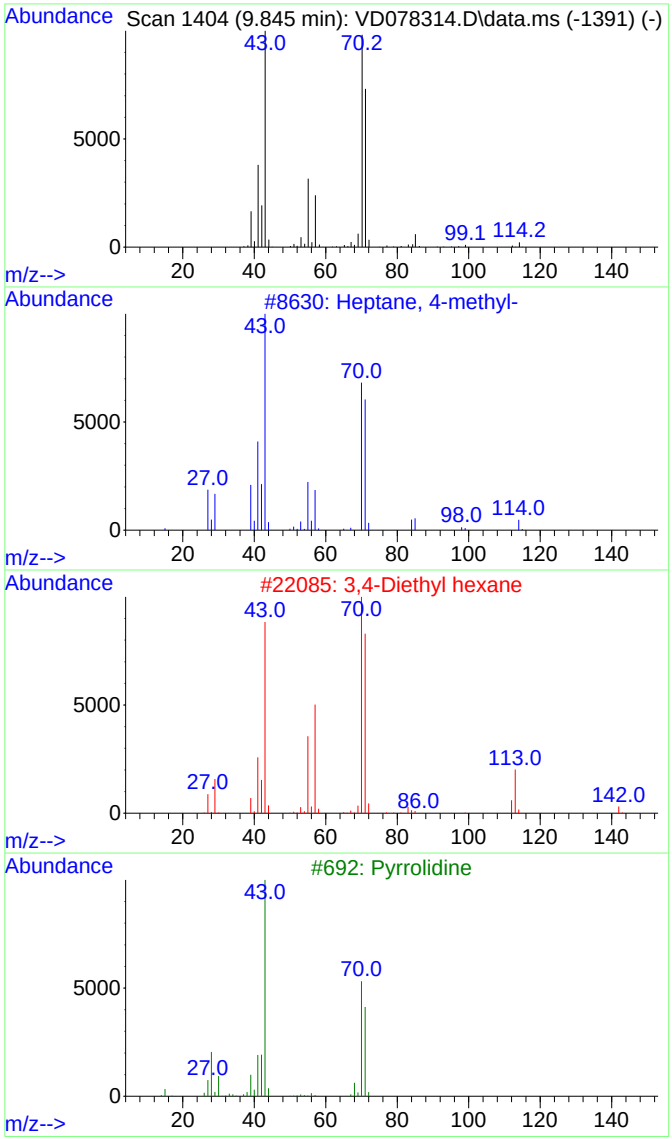
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

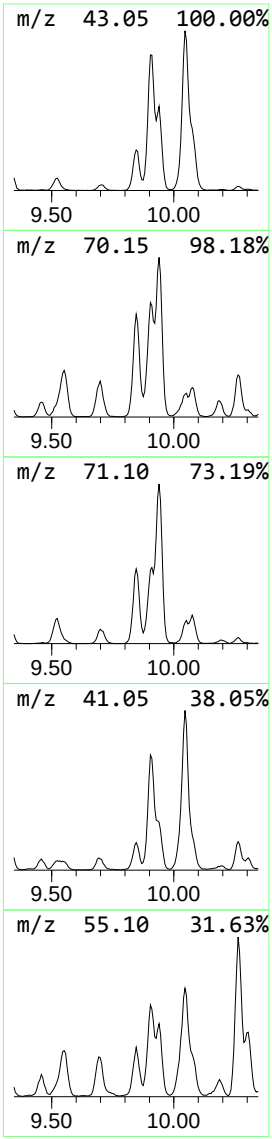
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.845	53.59 ug/L	1043330	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	90
2	3,4-Diethyl hexane	142	C10H22	019398-77-7	83
3	Pyrrolidine	71	C4H9N	000123-75-1	78
4	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	74
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

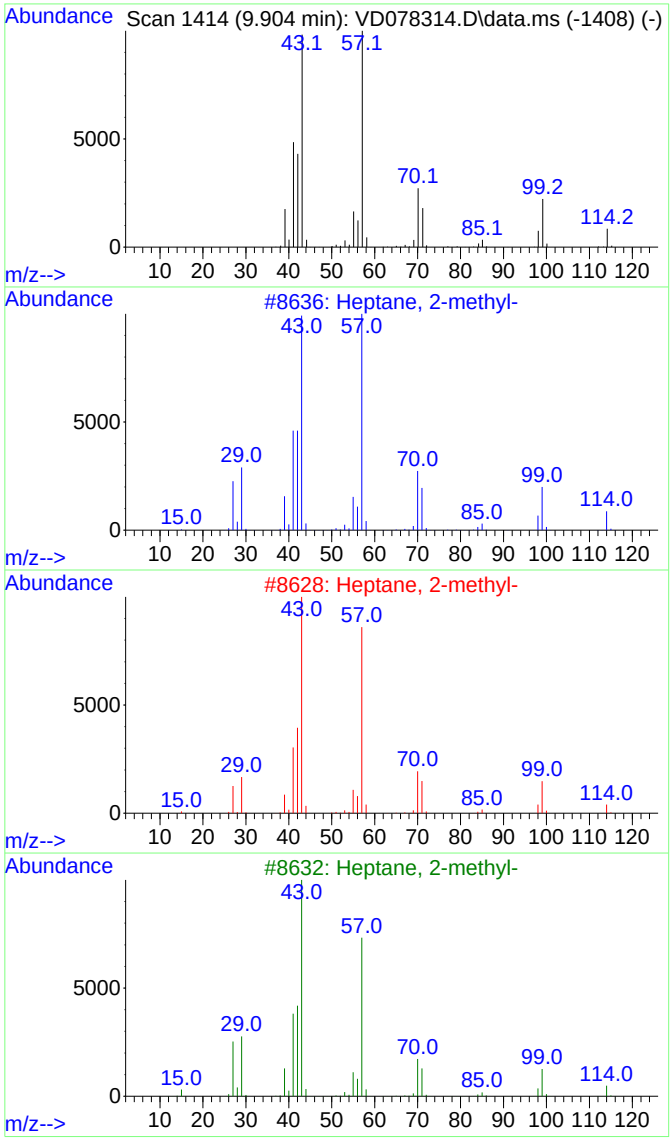
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

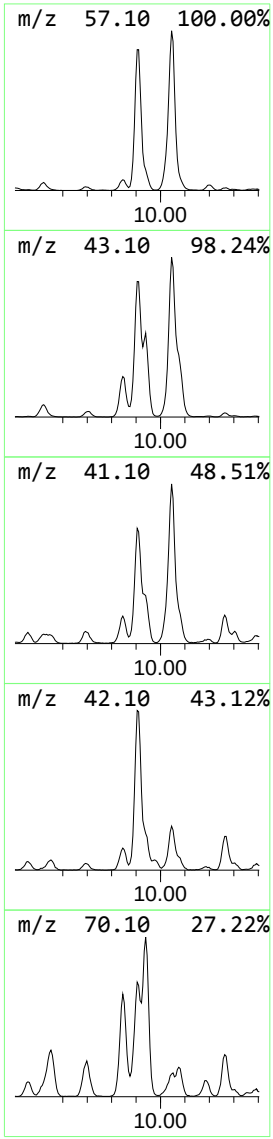
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.904	163.57 ug/L	3184670	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	2-Piperidinone	99	C5H9NO	000675-20-7	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

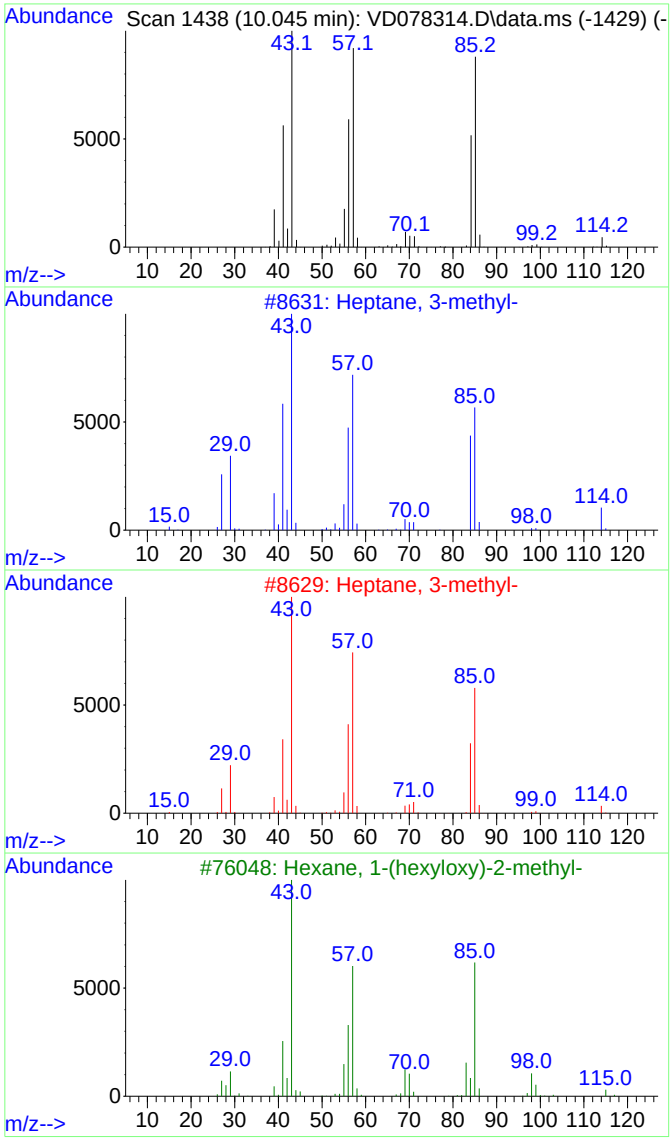
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

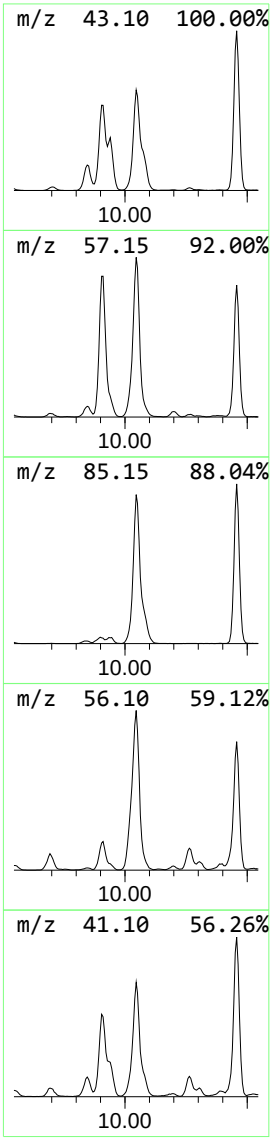
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.046	306.72 ug/L	5971980	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
5	Hexyl n-valerate	186	C11H22O2	001117-59-5	64





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

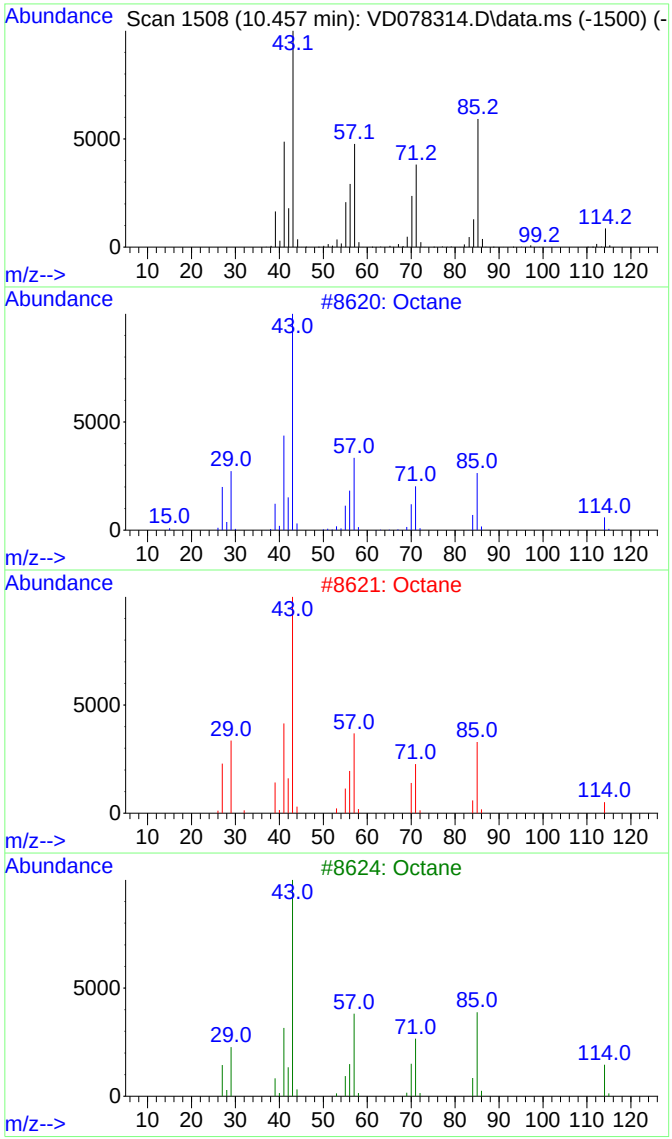
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

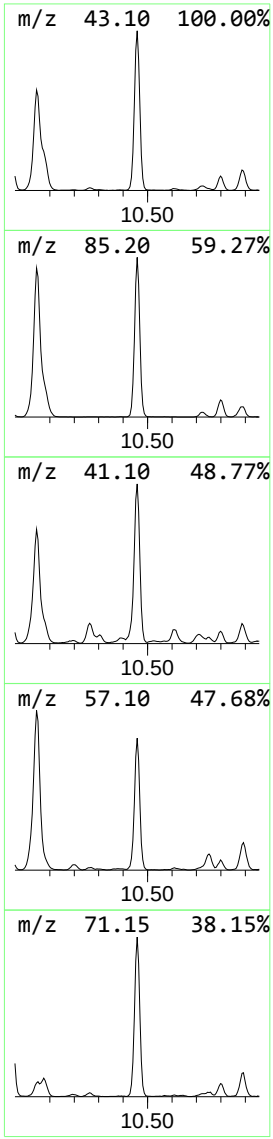
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	352.58 ug/L	5904160	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Octane	114	C8H18	000111-65-9	91
3	Octane	114	C8H18	000111-65-9	91
4	Octane	114	C8H18	000111-65-9	91
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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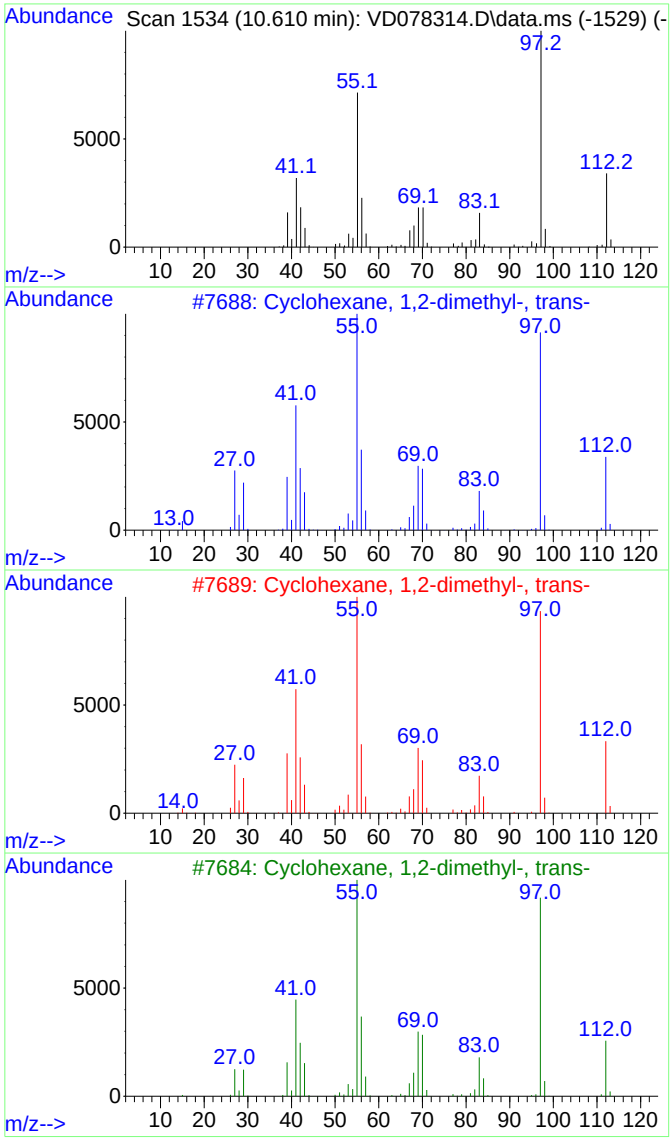
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

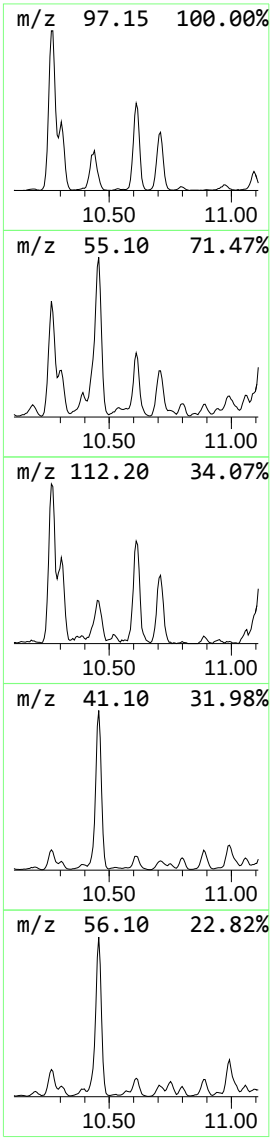
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic10.610 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	45.17 ug/L	756342	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, 1,4-dimethyl-	112	C8H16	000589-90-2	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

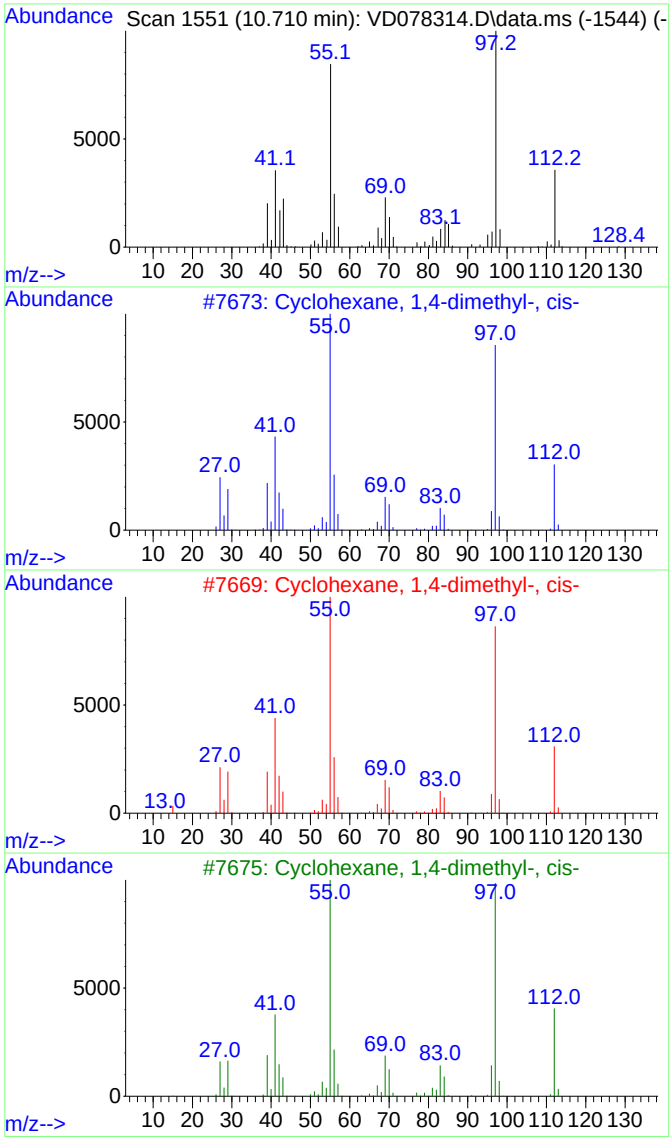
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

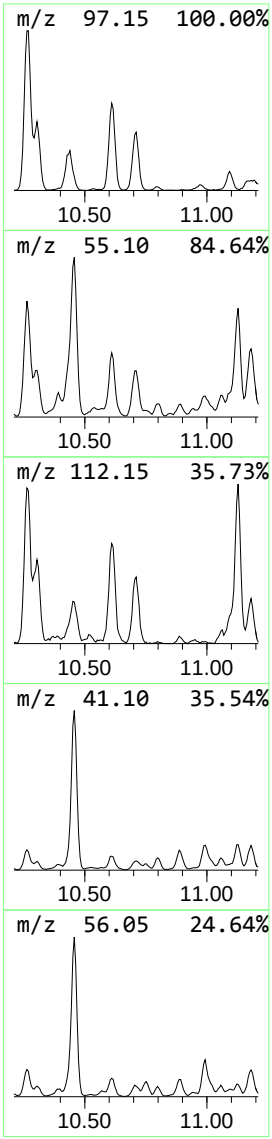
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic10.710 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.710	38.14 ug/L	638671	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

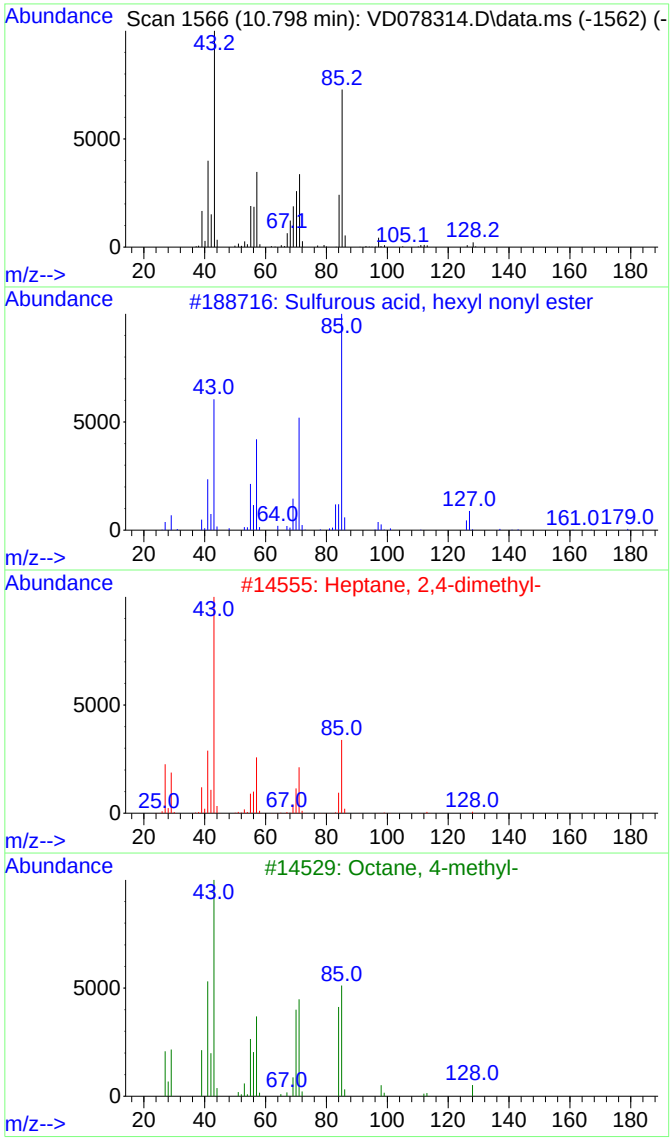
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

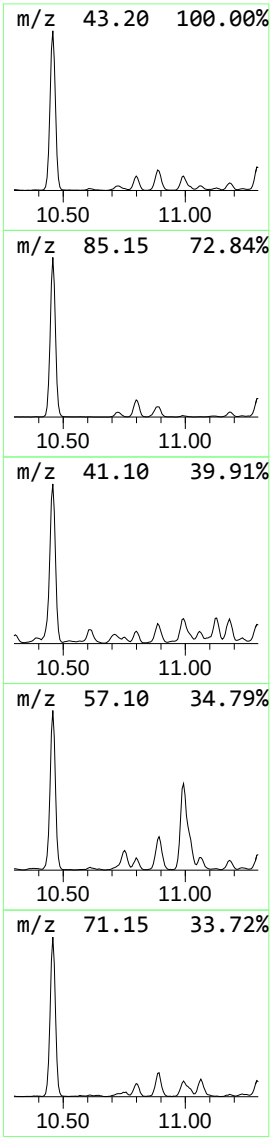
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Sulfurous acid, hexyl nonyl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.798	30.86 ug/L	516803	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	53
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
3	Octane, 4-methyl-	128	C9H20	002216-34-4	52
4	Octane, 4-methyl-	128	C9H20	002216-34-4	52
5	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	50





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

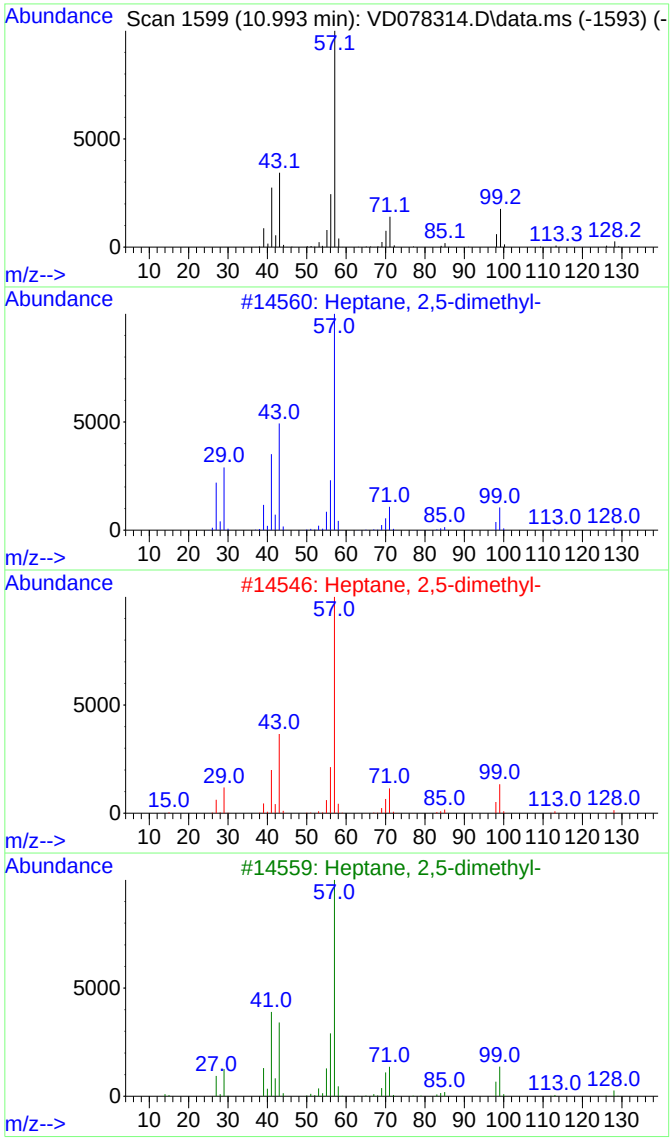
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

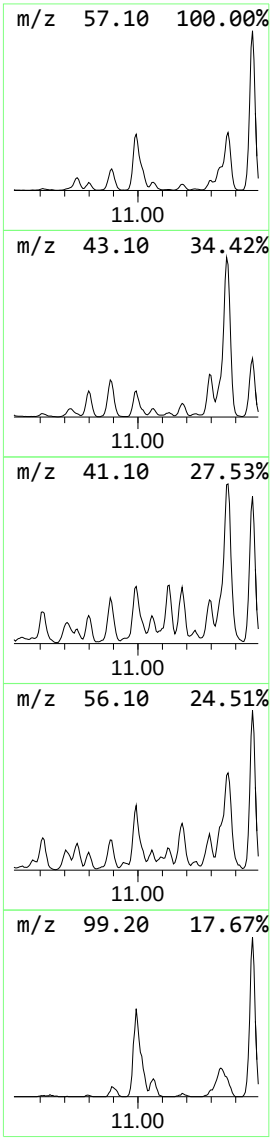
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.993	73.97 ug/L	1238730	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
5	Octane, 3-methyl-	128	C9H20	002216-33-3	80





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

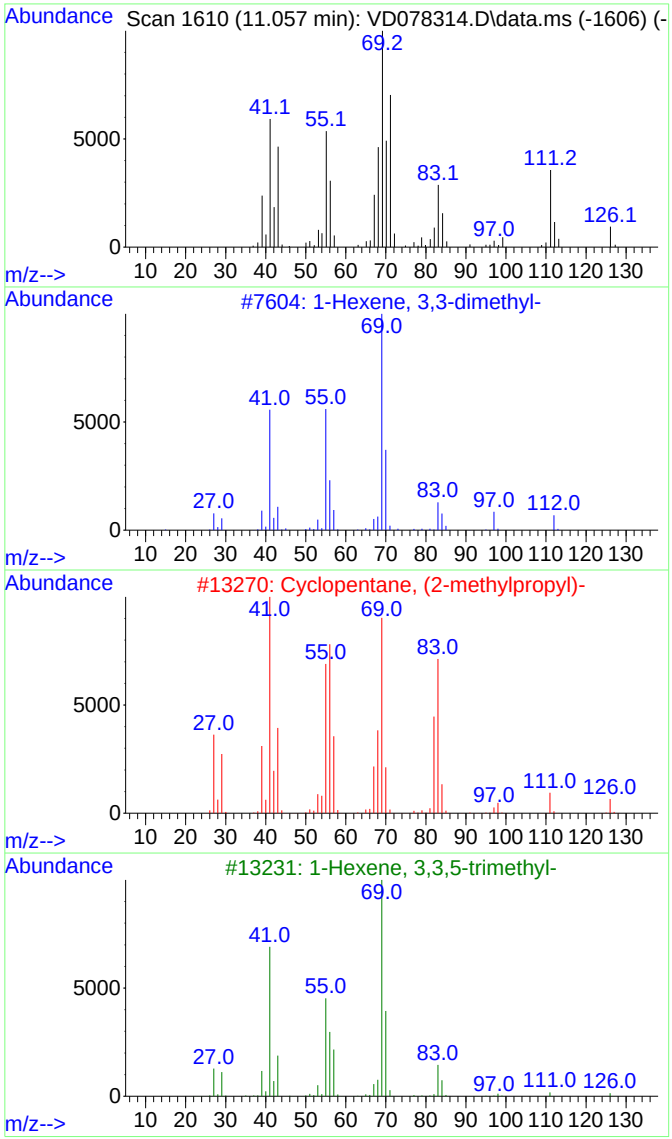
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

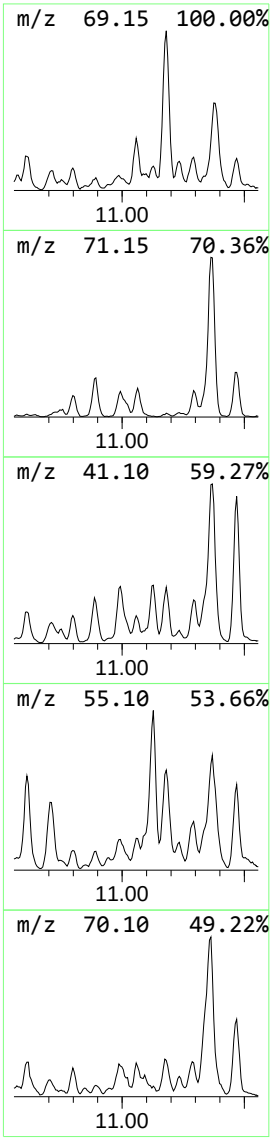
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	31.73 ug/L	531388	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	47
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	47
4	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	47
5	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	43





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Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

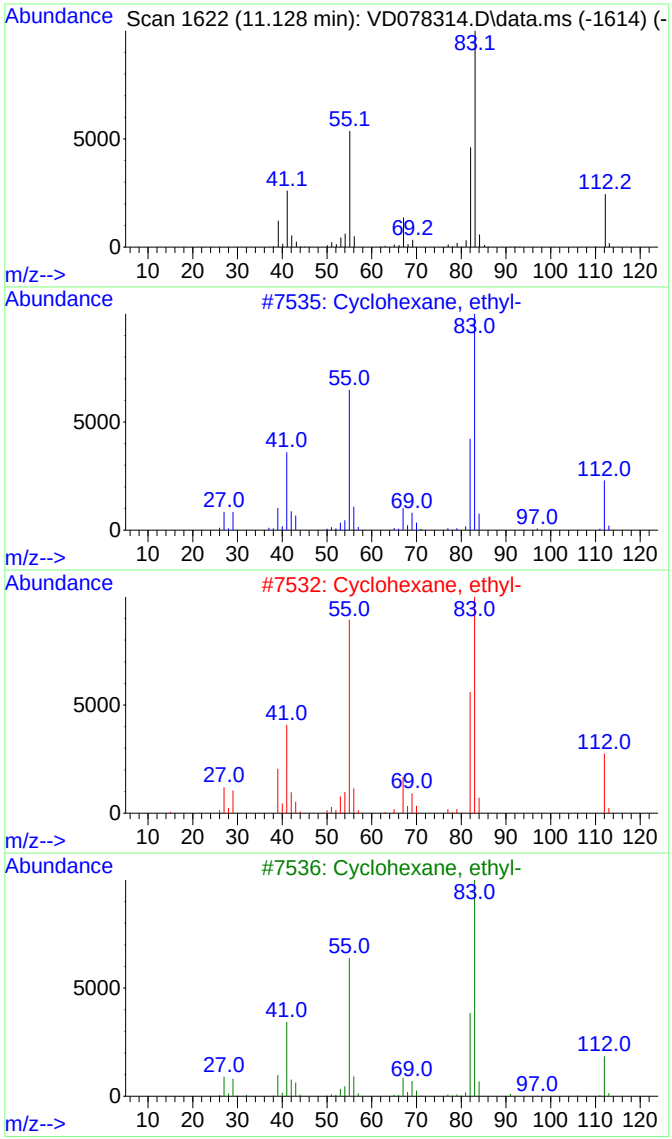
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

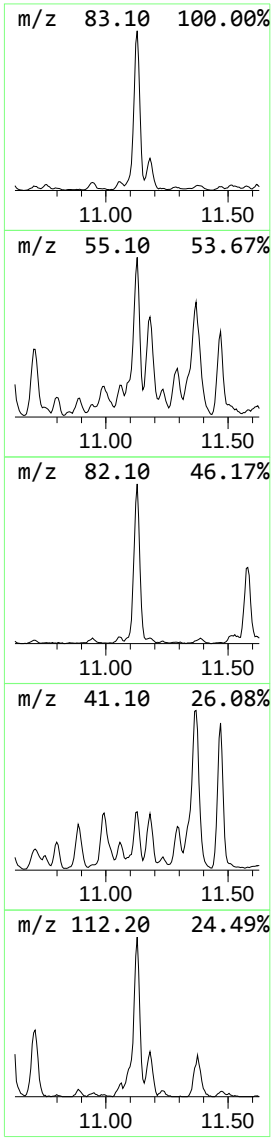
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic11.128 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.128	80.78 ug/L	1352700	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	90
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	58





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Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

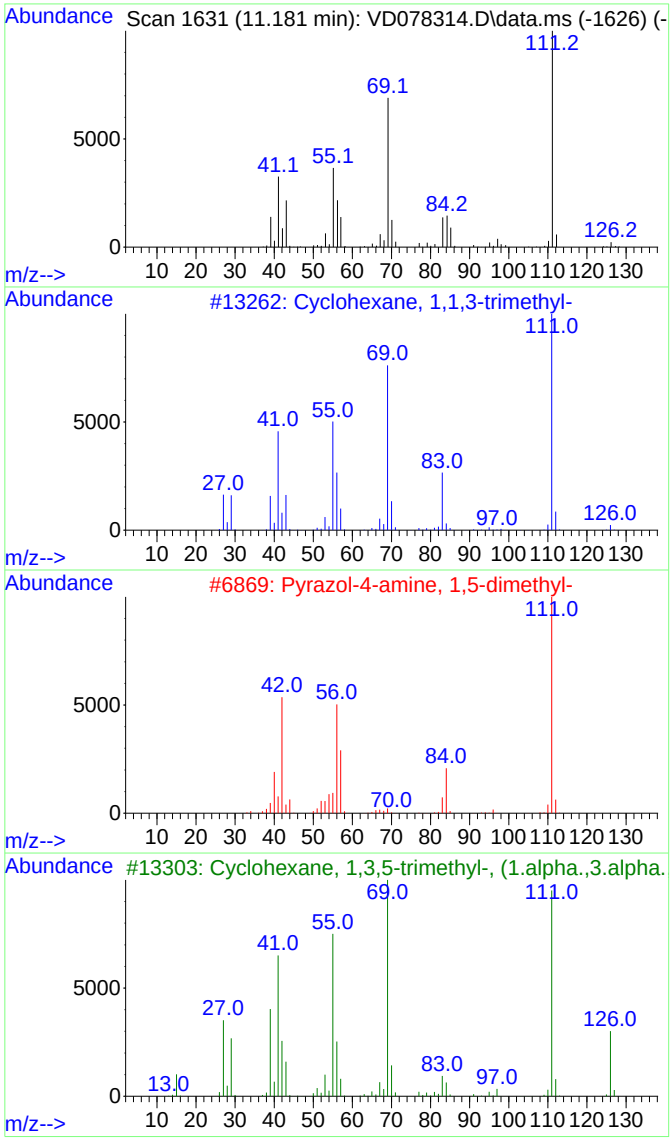
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

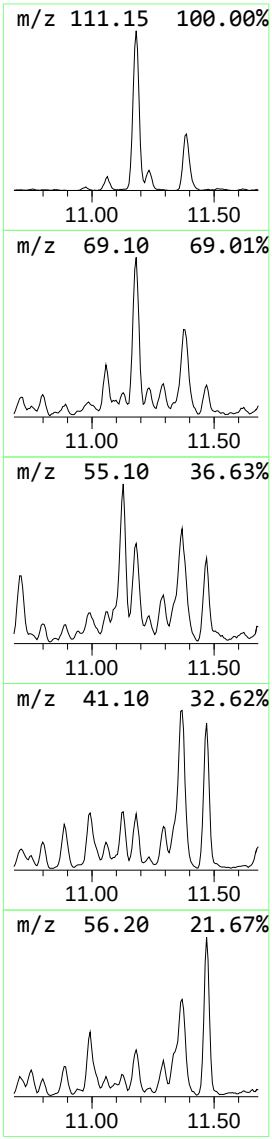
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic11.181 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	79.30 ug/L	1327990	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
2	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	59
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	59
4	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	52
5	Isocytosine	111	C4H5N3O	000108-53-2	50





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

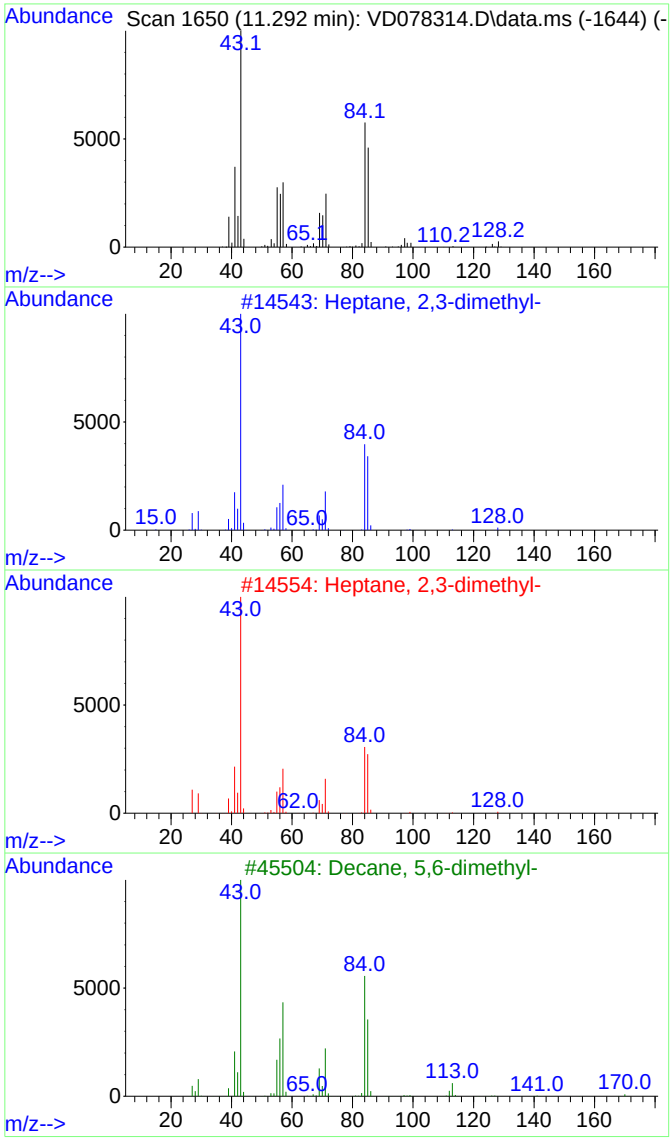
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

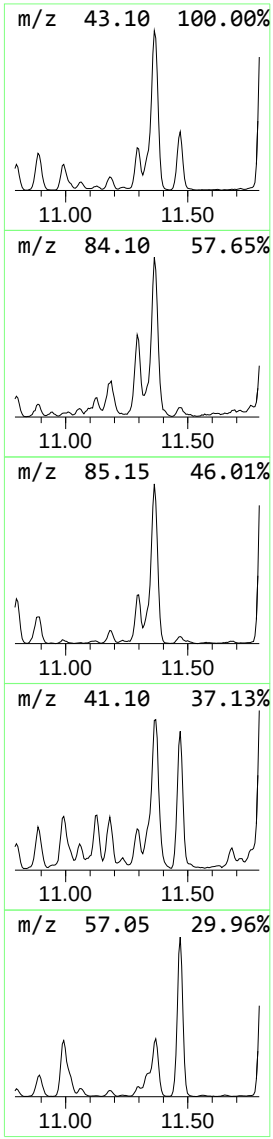
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.293	53.91 ug/L	902792	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
3	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

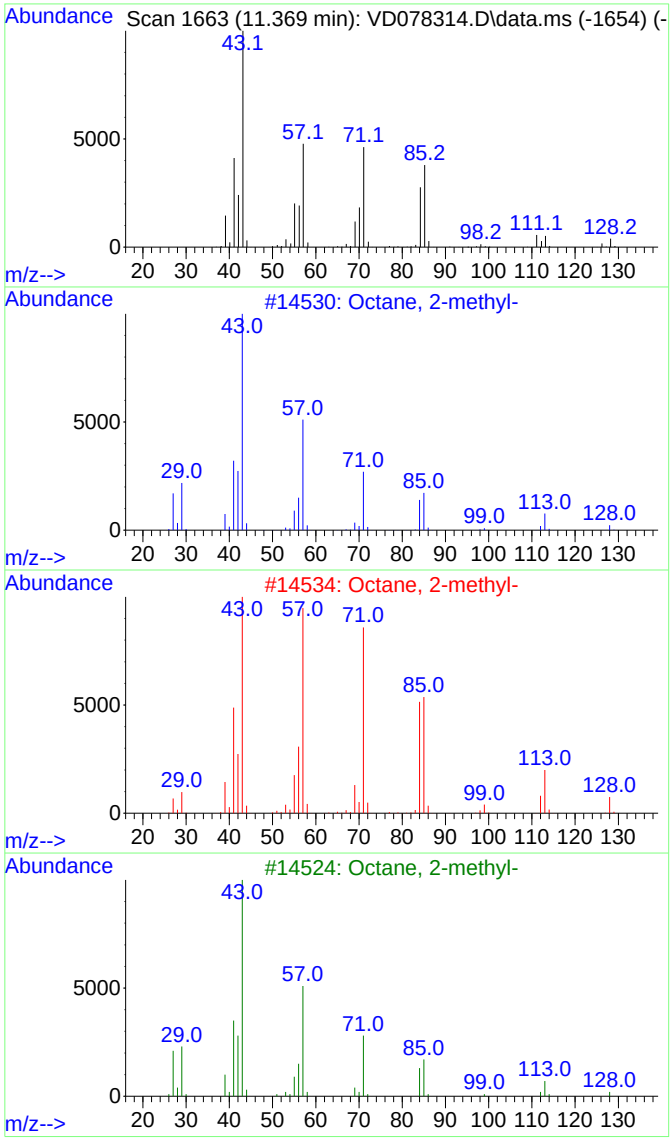
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

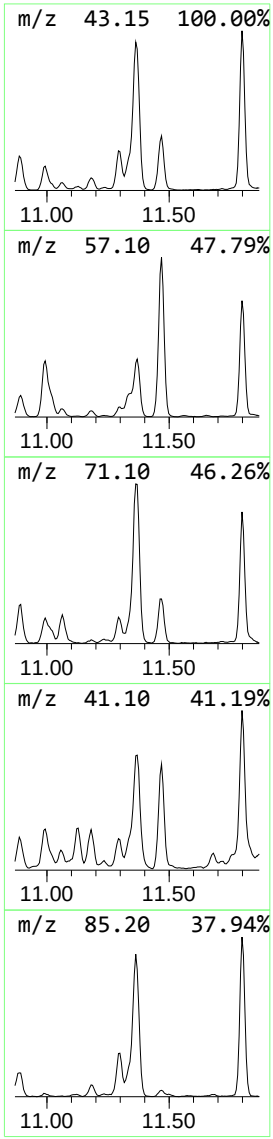
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.369	261.54 ug/L	4379670	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	72
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Octane, 2-methyl-	128	C9H20	003221-61-2	64
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

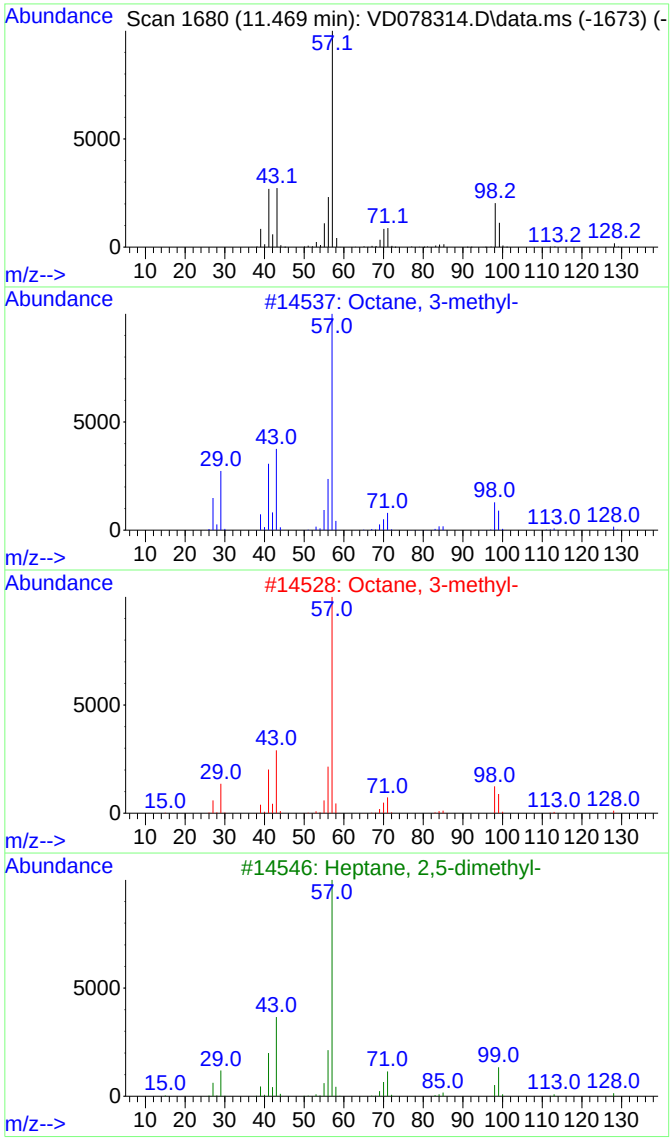
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

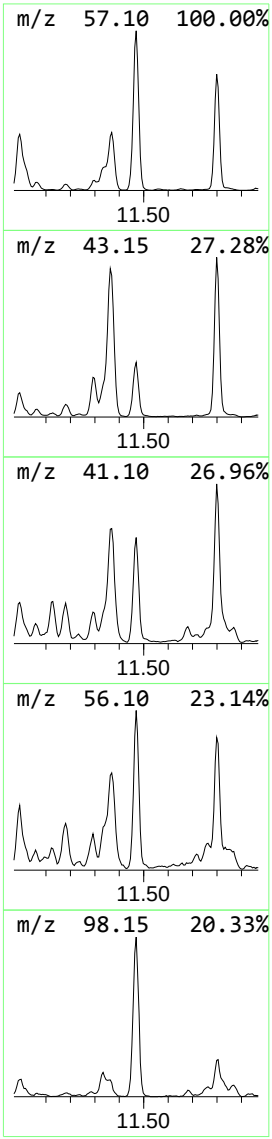
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.469	151.16 ug/L	2531280	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4	Octane, 3-methyl-	128	C9H20	002216-33-3	72
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

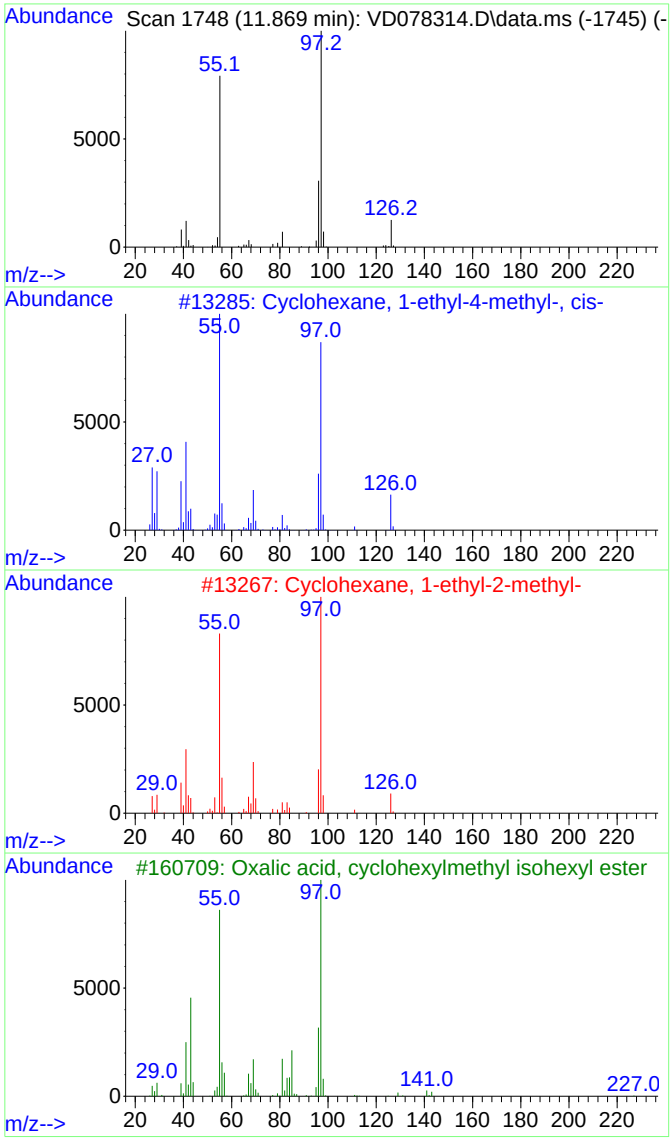
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

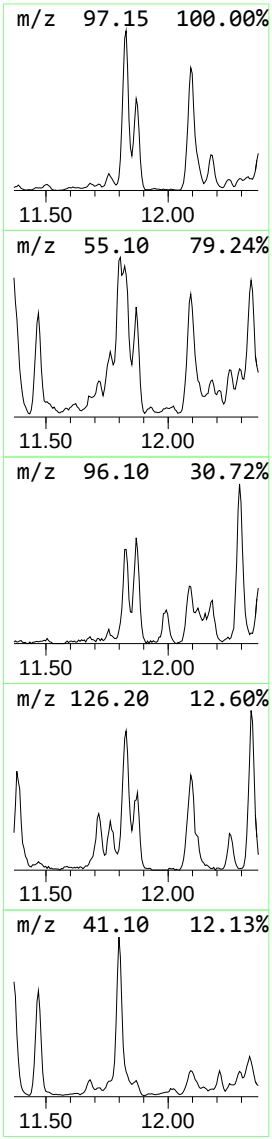
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.869 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	30.36 ug/L	508373	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
3	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64
4	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1010309-22-7	50
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

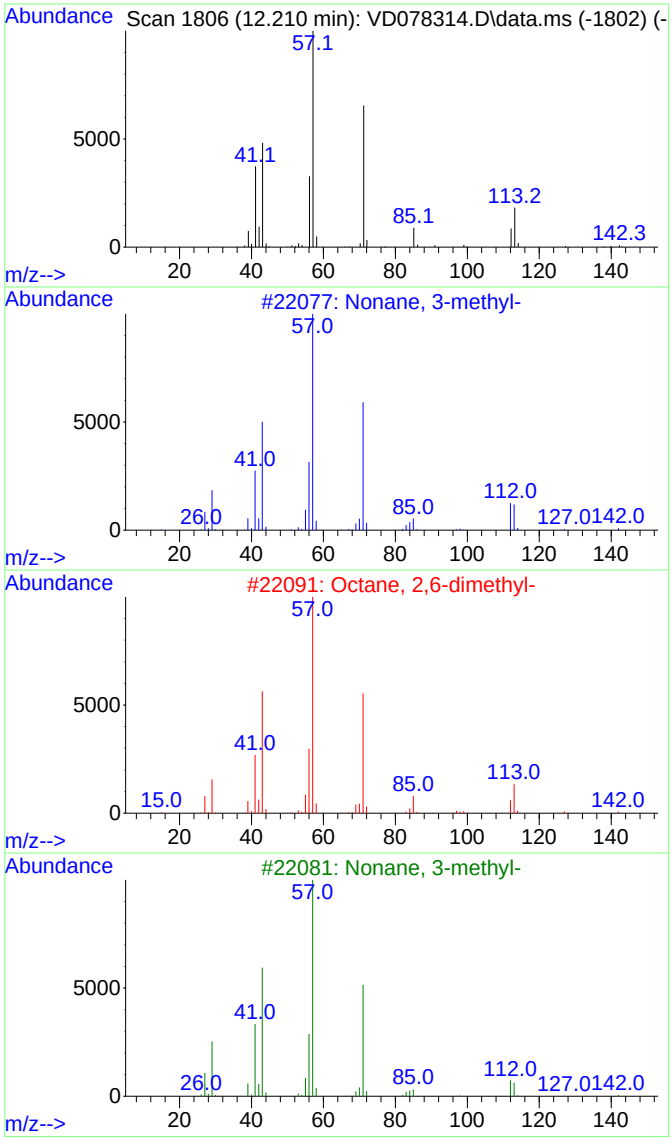
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

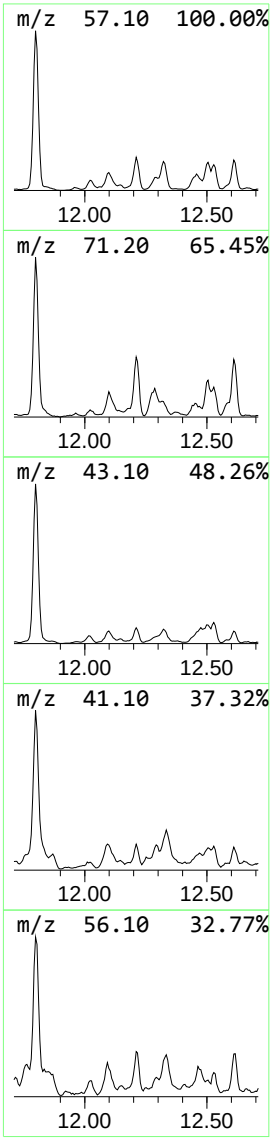
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	23.24 ug/L	389158	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	80
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

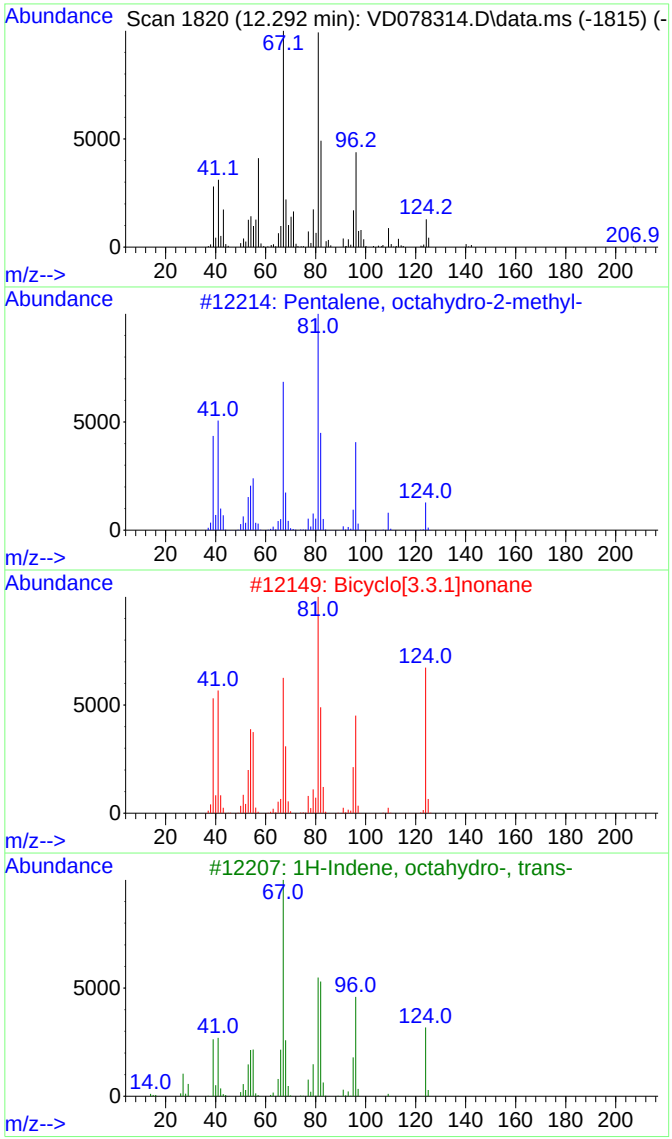
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

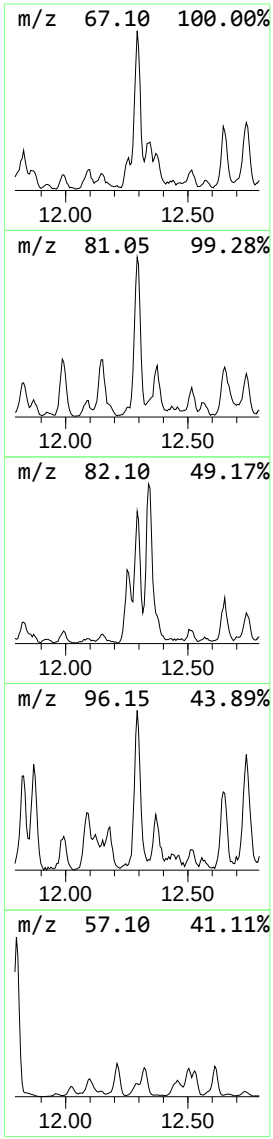
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Pentalene, octahydro-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	37.60 ug/L	629565	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	74
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	55
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

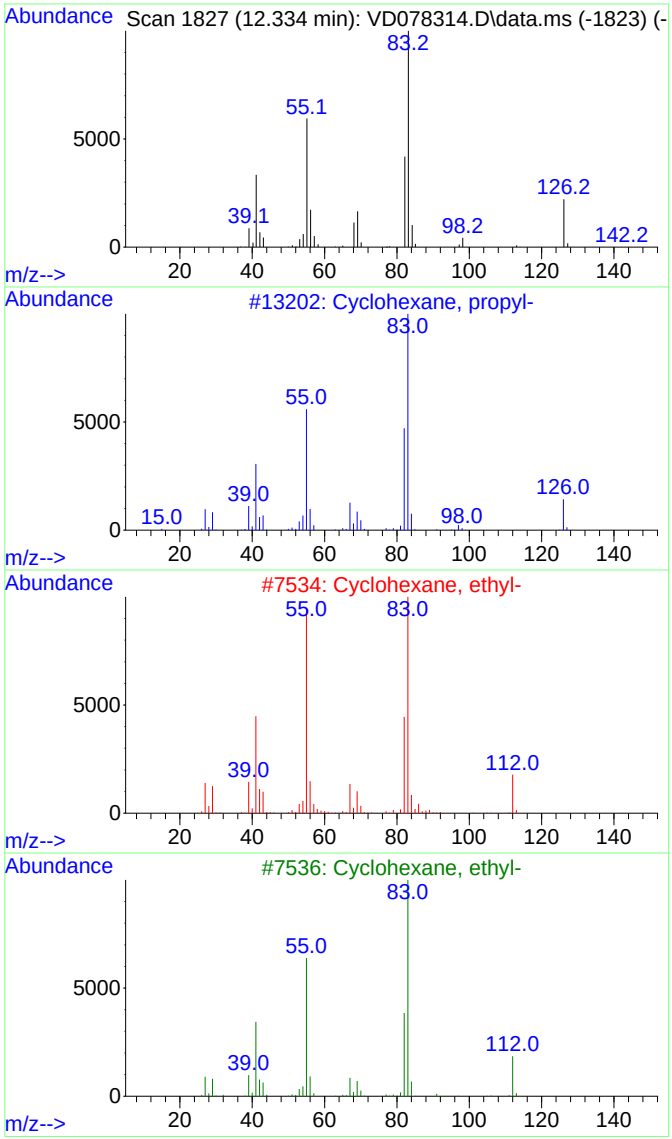
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

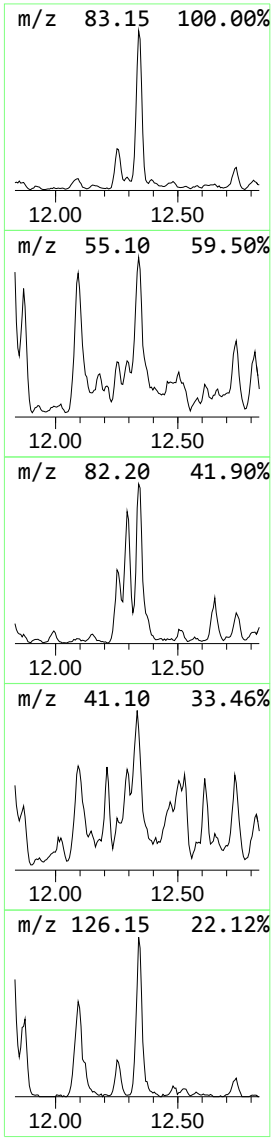
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Cyclic12.334 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.334	43.58 ug/L	729784	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	59
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

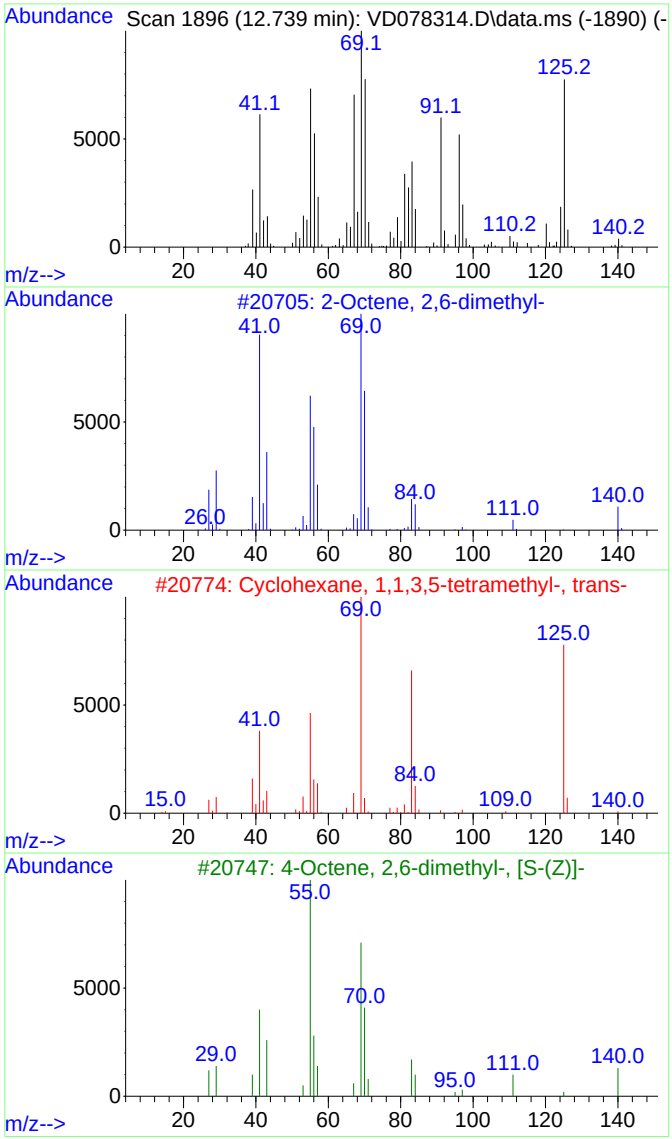
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

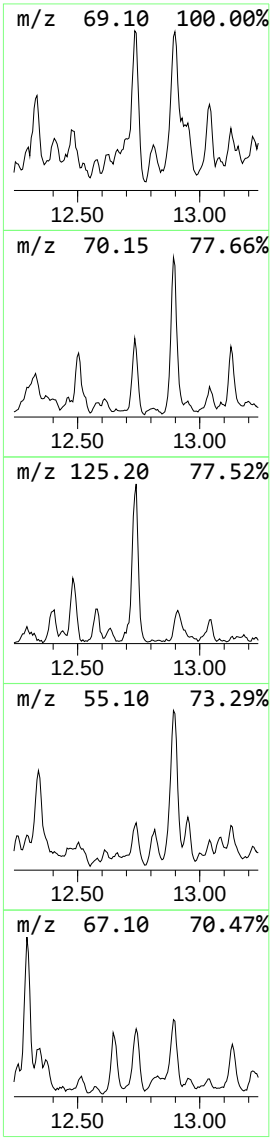
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.740	6.88 ug/L	1235970	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	41
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
3	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	38
4	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

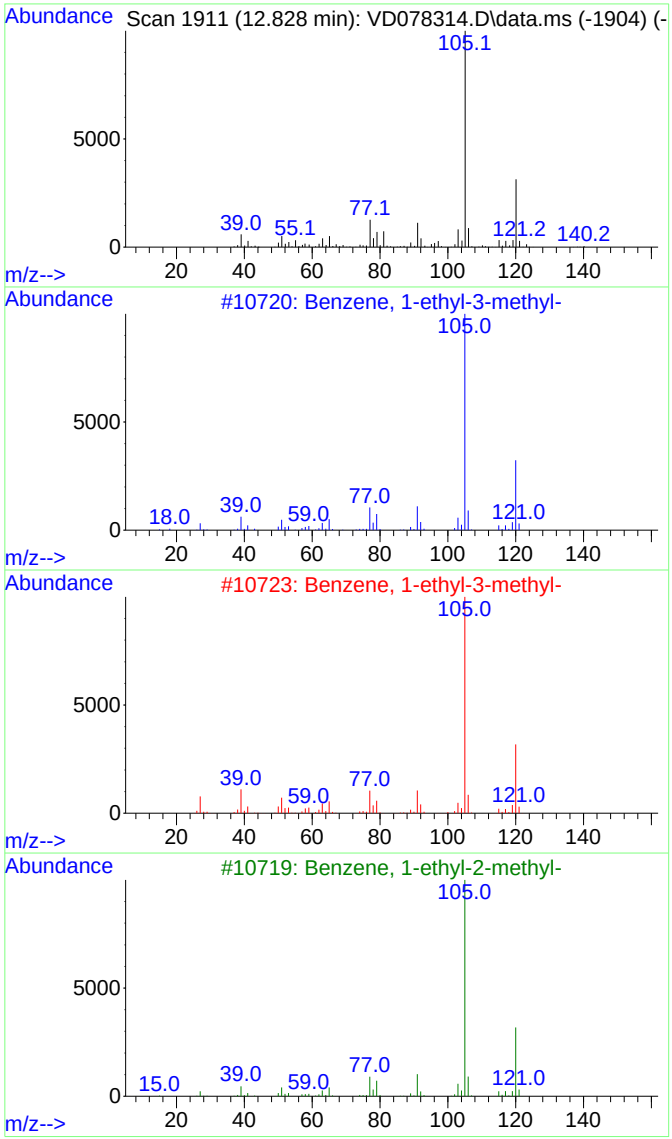
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

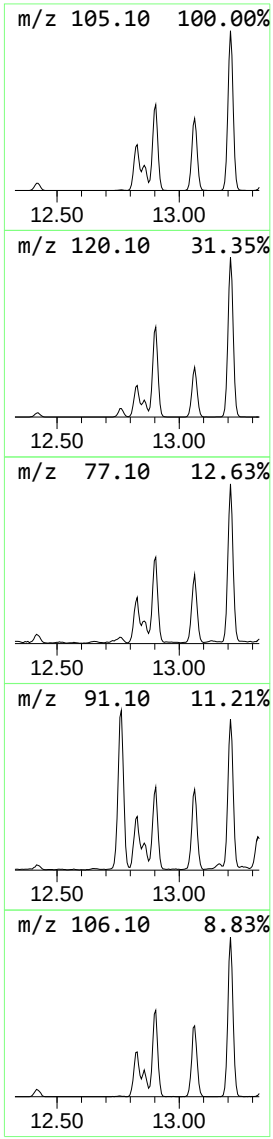
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-ethyl-3-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.828	12.60 ug/L	2264110	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

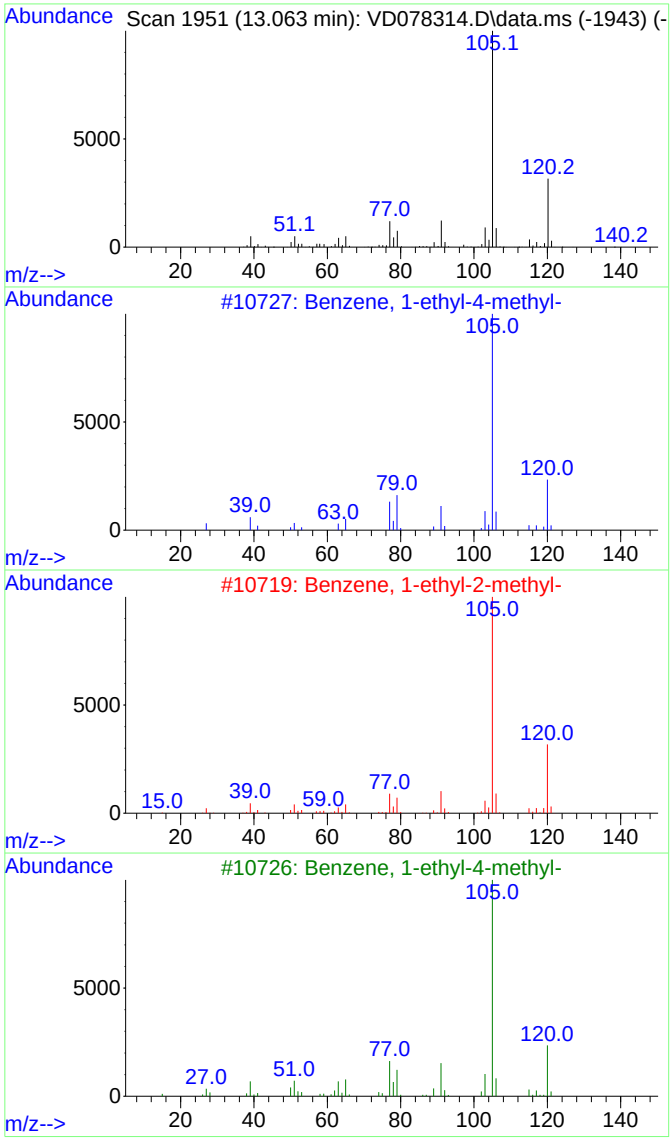
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

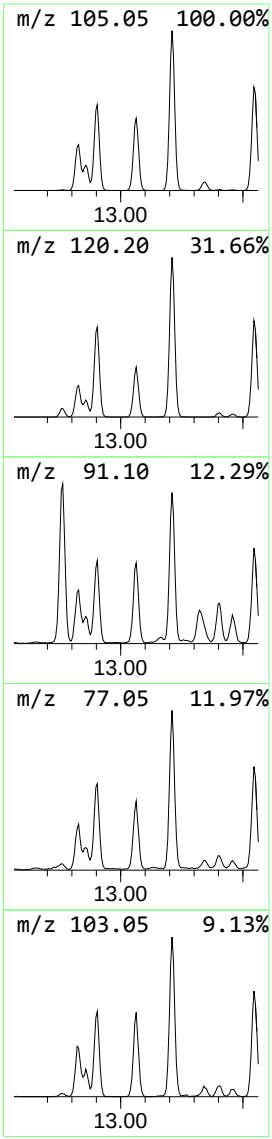
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-ethyl-4-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	17.51 ug/L	3145260	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Mesitylene	120	C9H12	000108-67-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

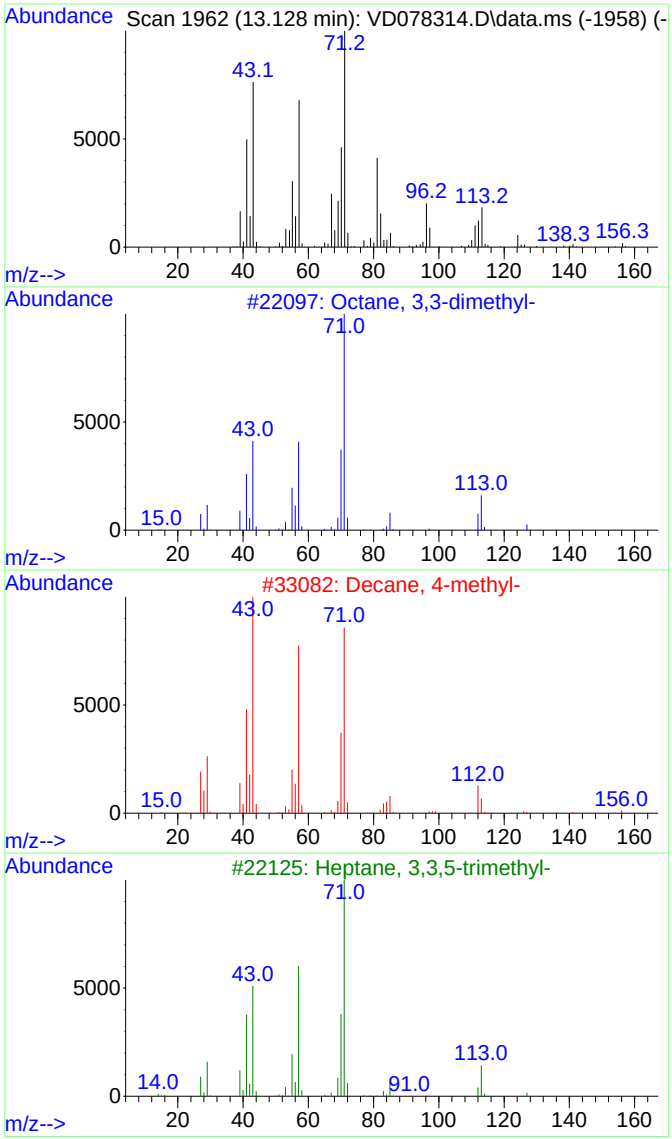
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

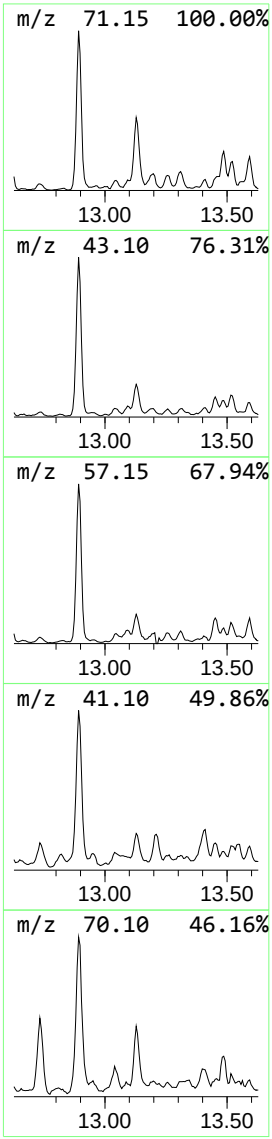
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	4.32 ug/L	775713	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
2	Decane, 4-methyl-	156	C11H24	002847-72-5	50
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	47
5	n-Amyl ether	158	C10H22O	000693-65-2	47





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

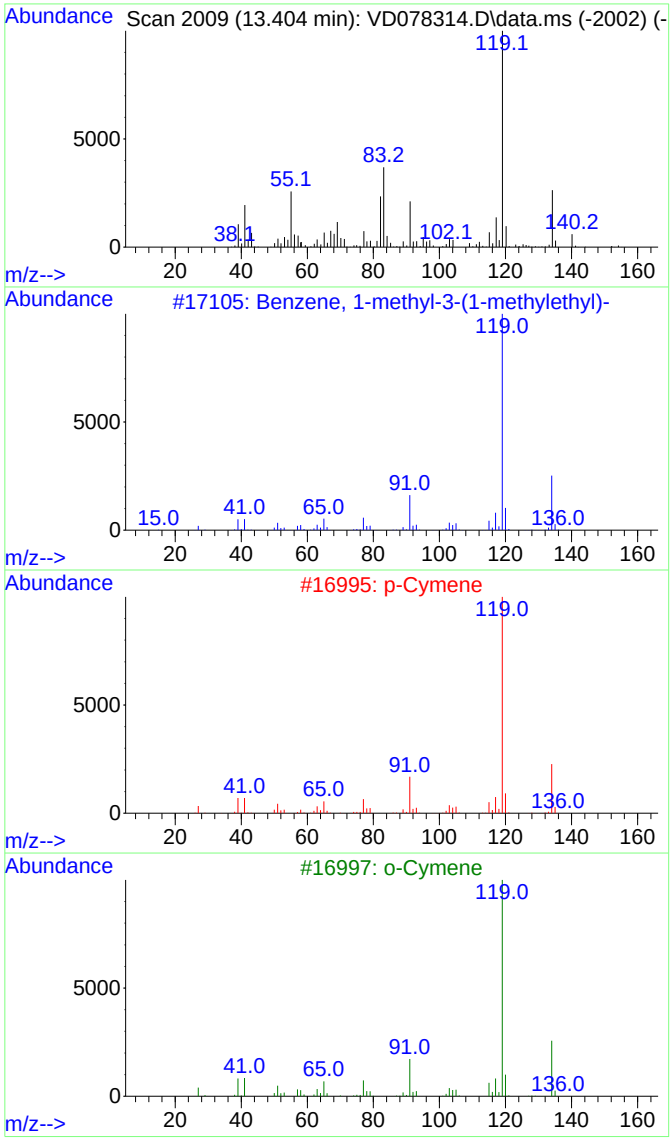
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

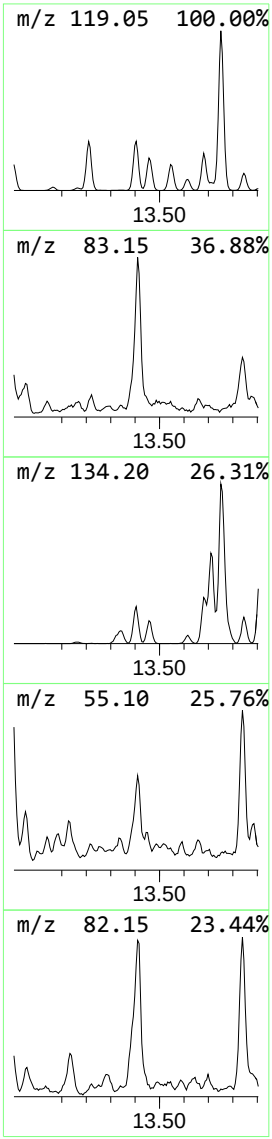
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1-methyl-3-(1-meth... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.404	9.17 ug/L	1647370	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

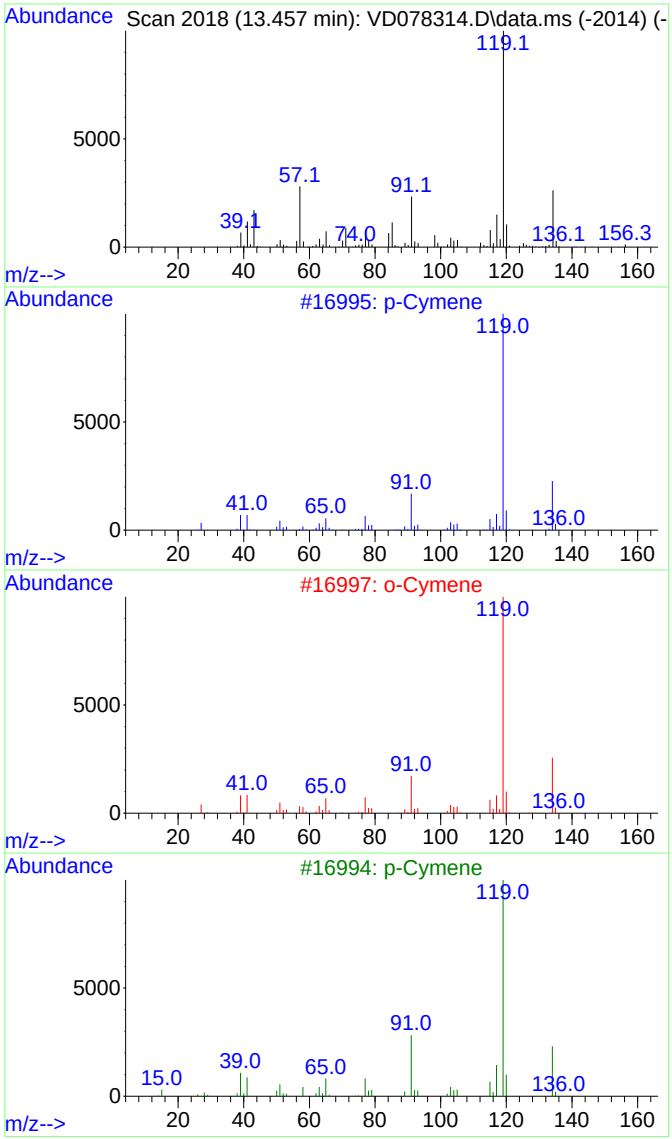
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

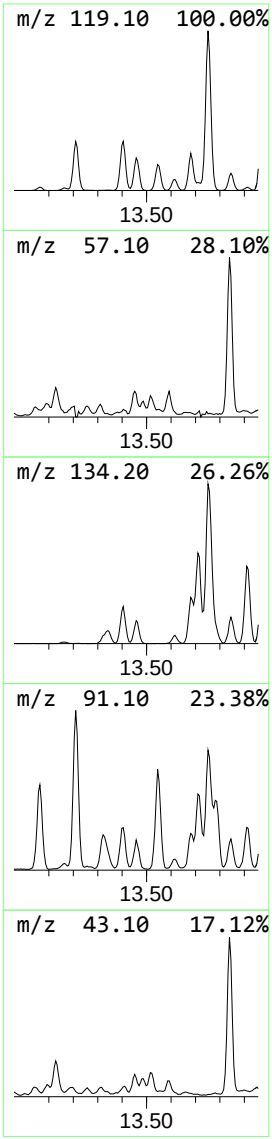
****

Peak Number 42 p-Cymene Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	5.03 ug/L	904007	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

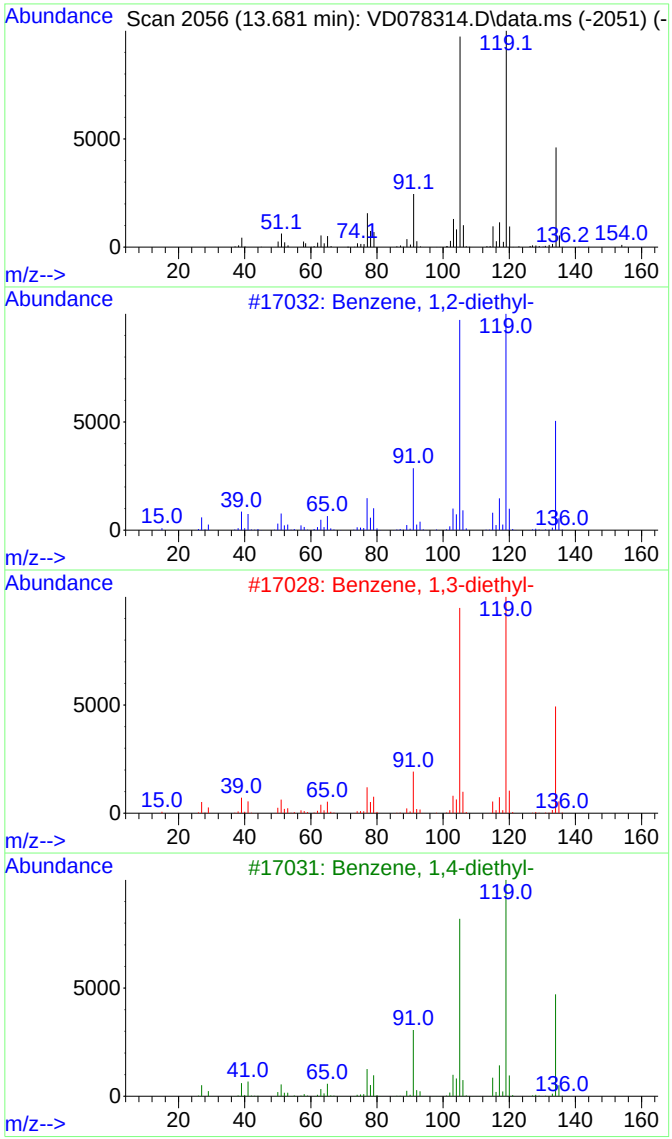
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

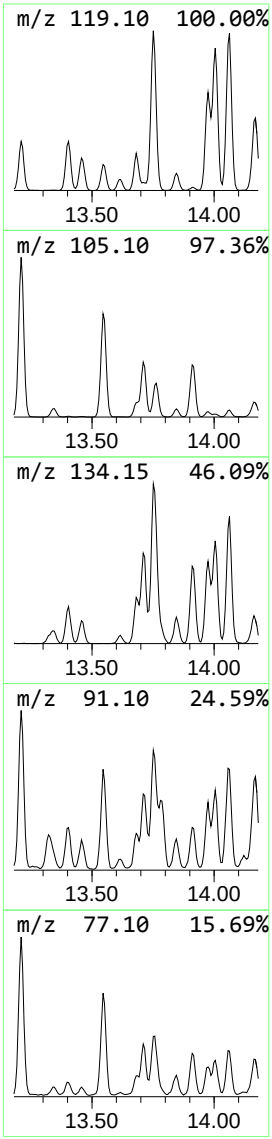
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1,2-diethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.681	4.82 ug/L	865353	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

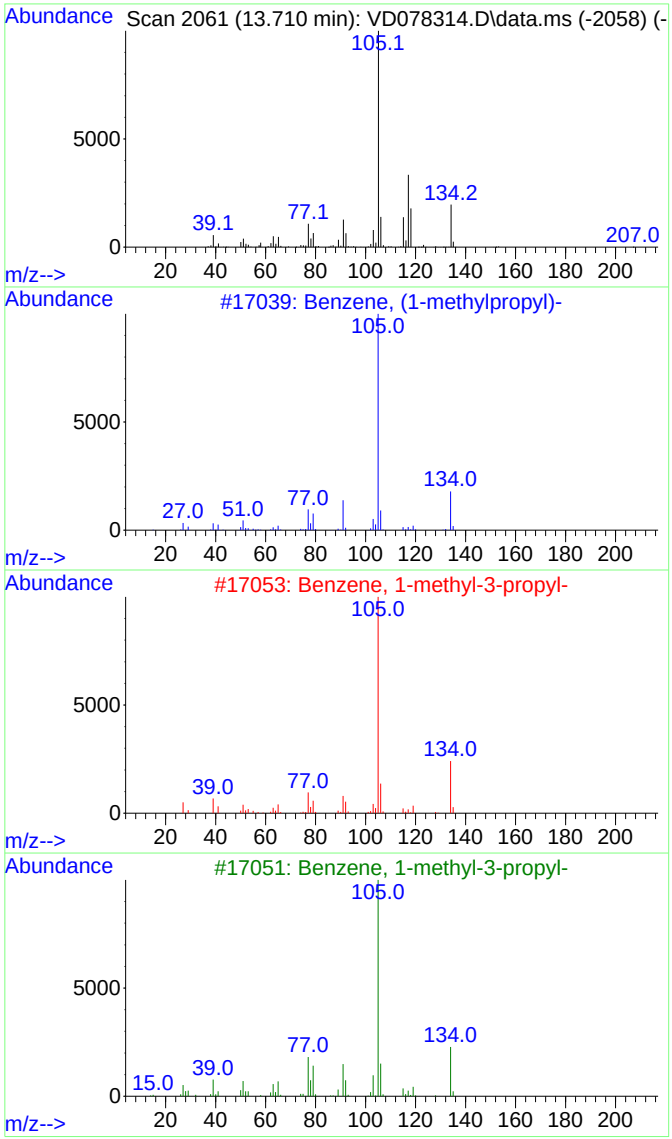
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

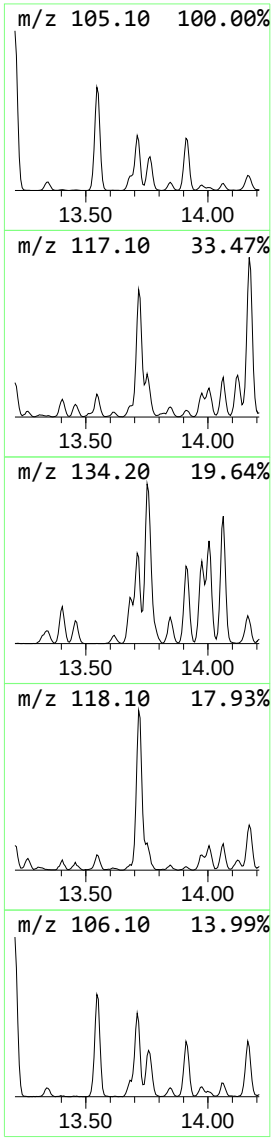
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, (1-methylpropyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.710	14.29 ug/L	2567340	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

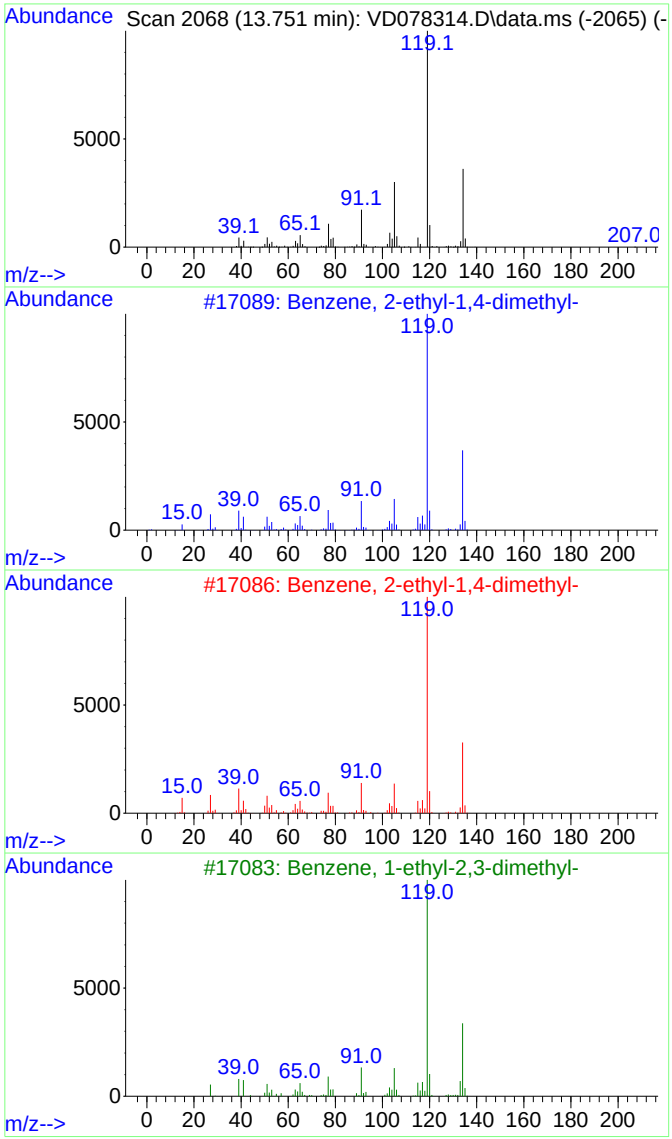
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

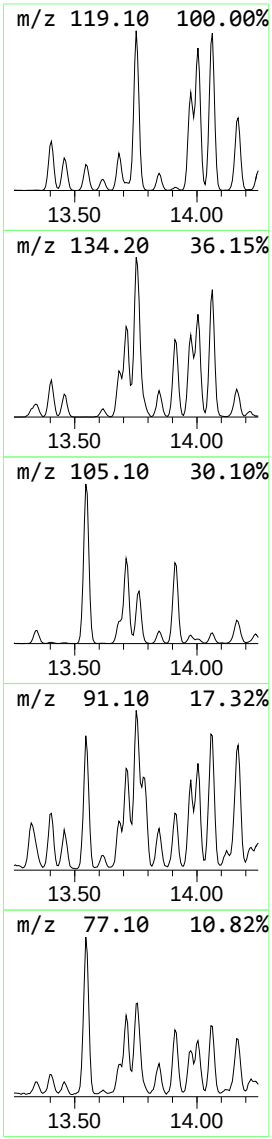
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	18.36 ug/L	3298420	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	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

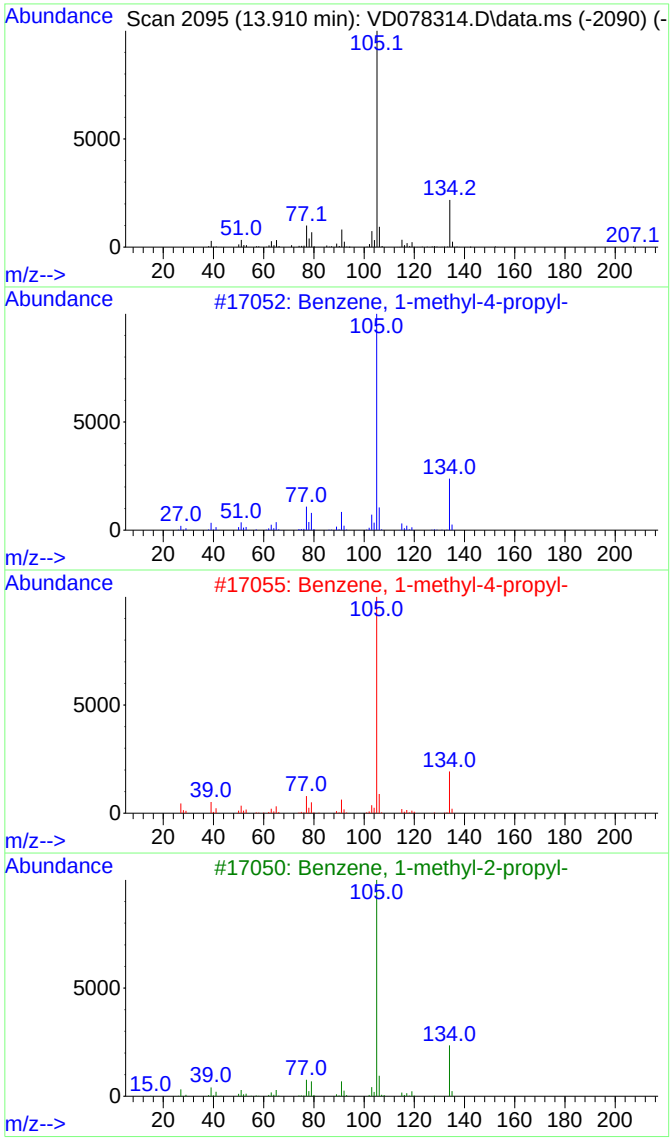
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

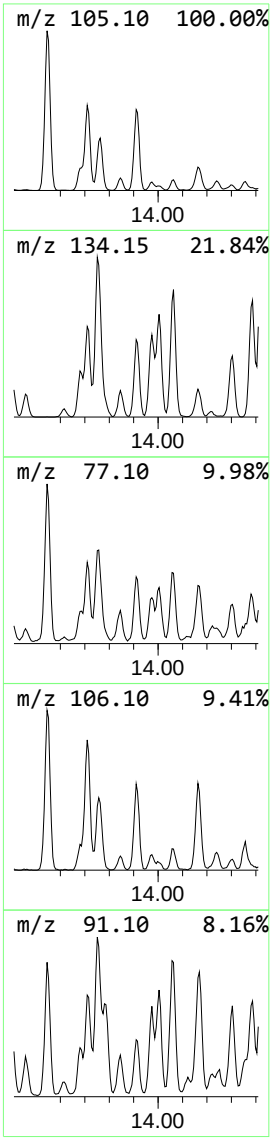
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-methyl-4-propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	9.62 ug/L	1728110	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	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

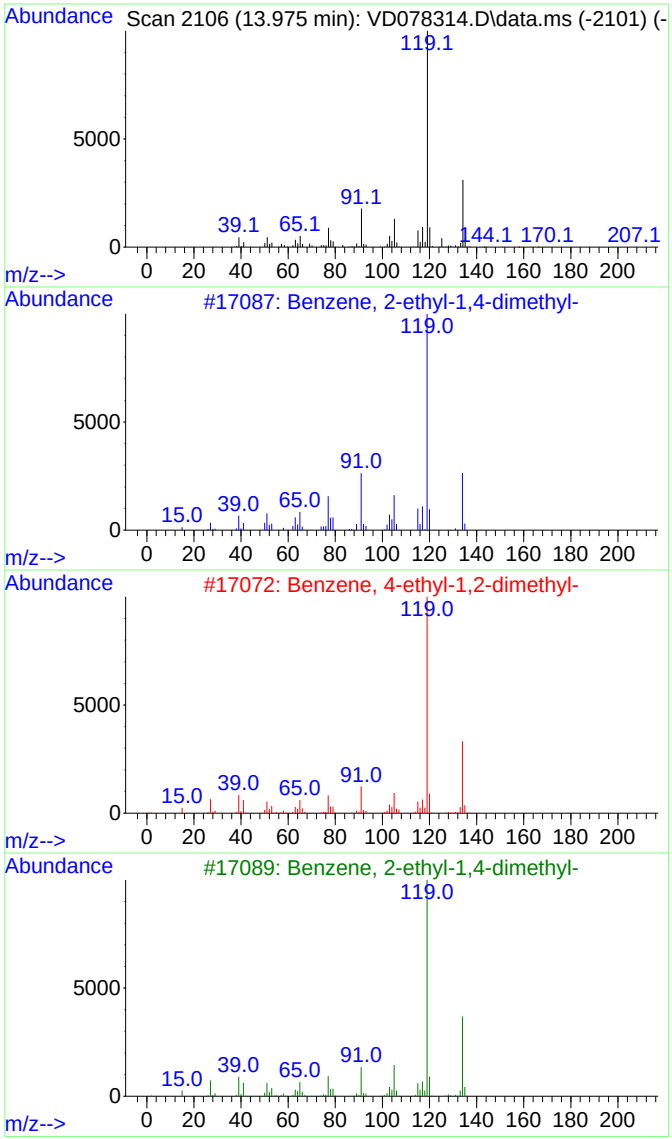
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

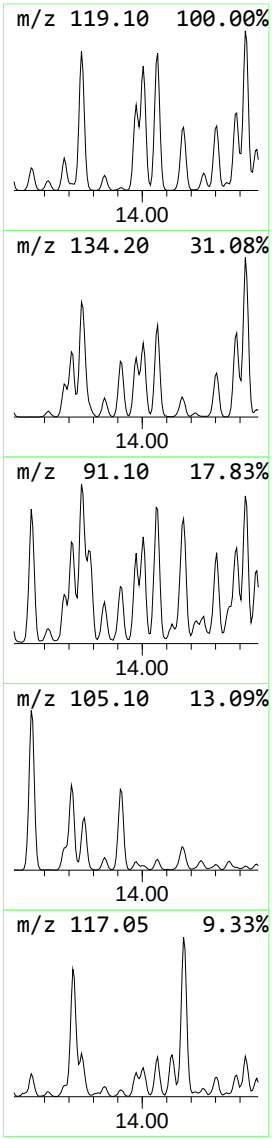
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	9.30 ug/L	1670240	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

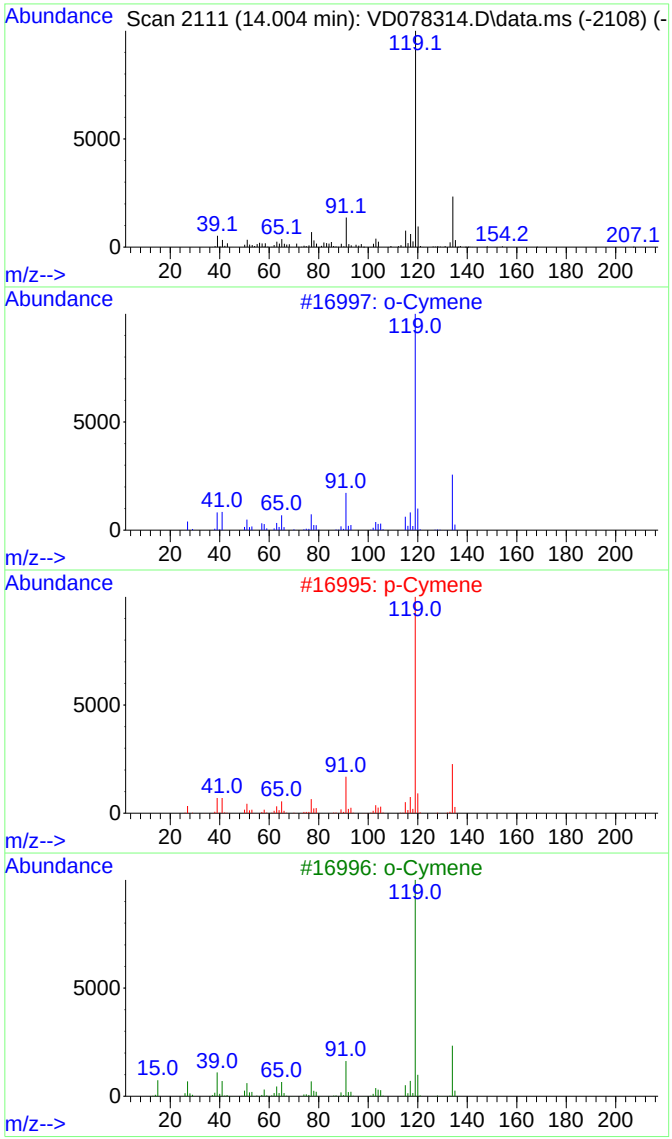
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

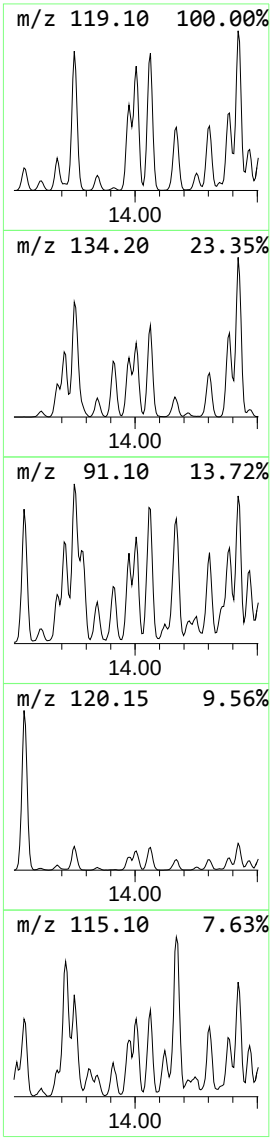
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 o-Cymene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.004	11.90 ug/L	2137140	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

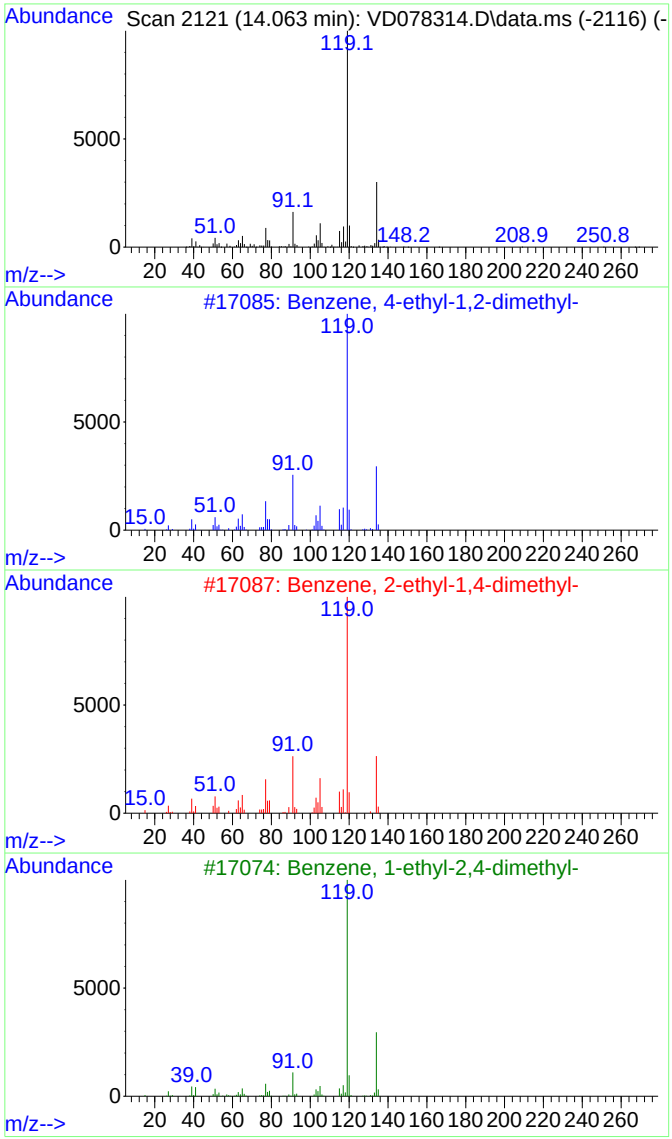
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

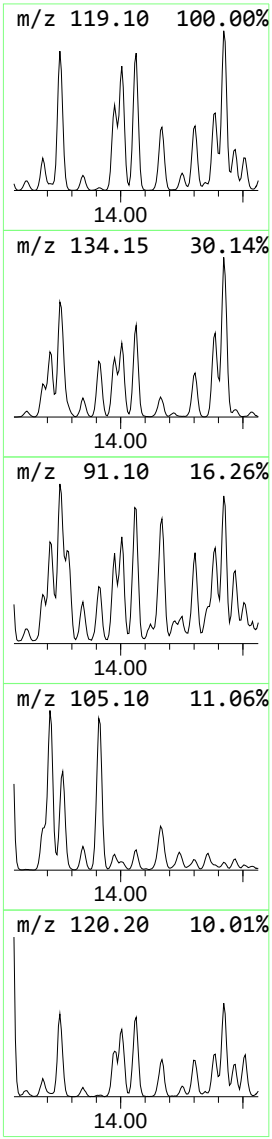
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.063	13.89 ug/L	2494170	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

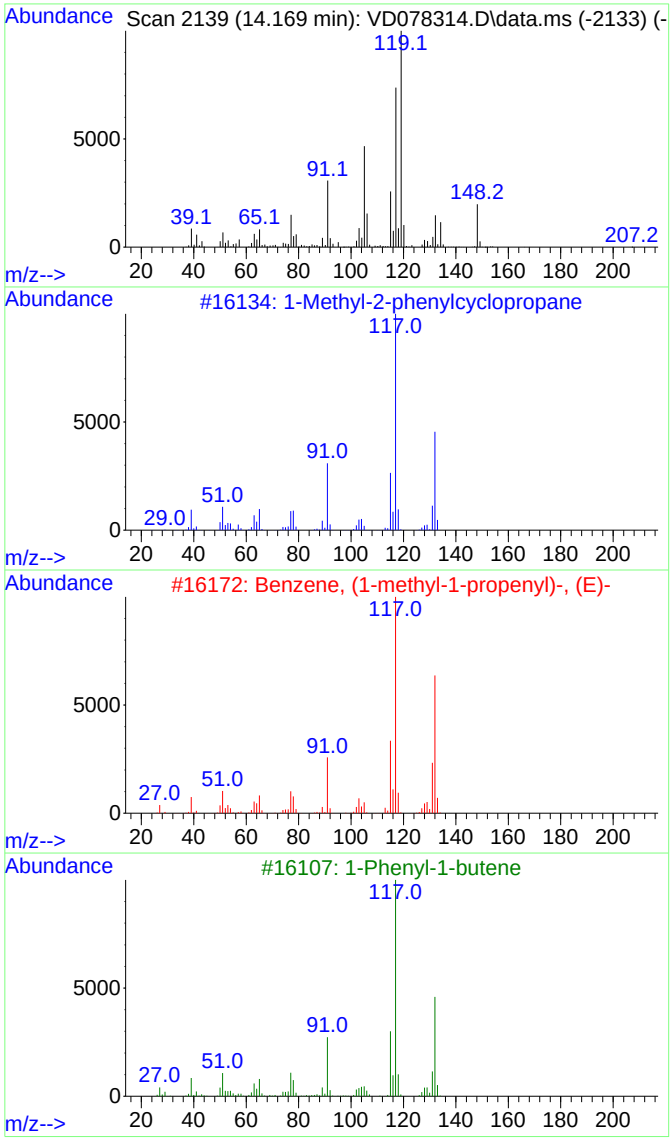
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

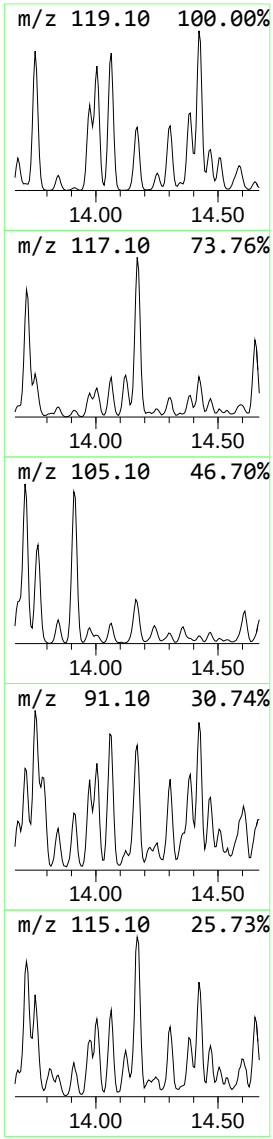
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1-Methyl-2-phenylcyclopropane Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	13.60 ug/L	2442750	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	52
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	46
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

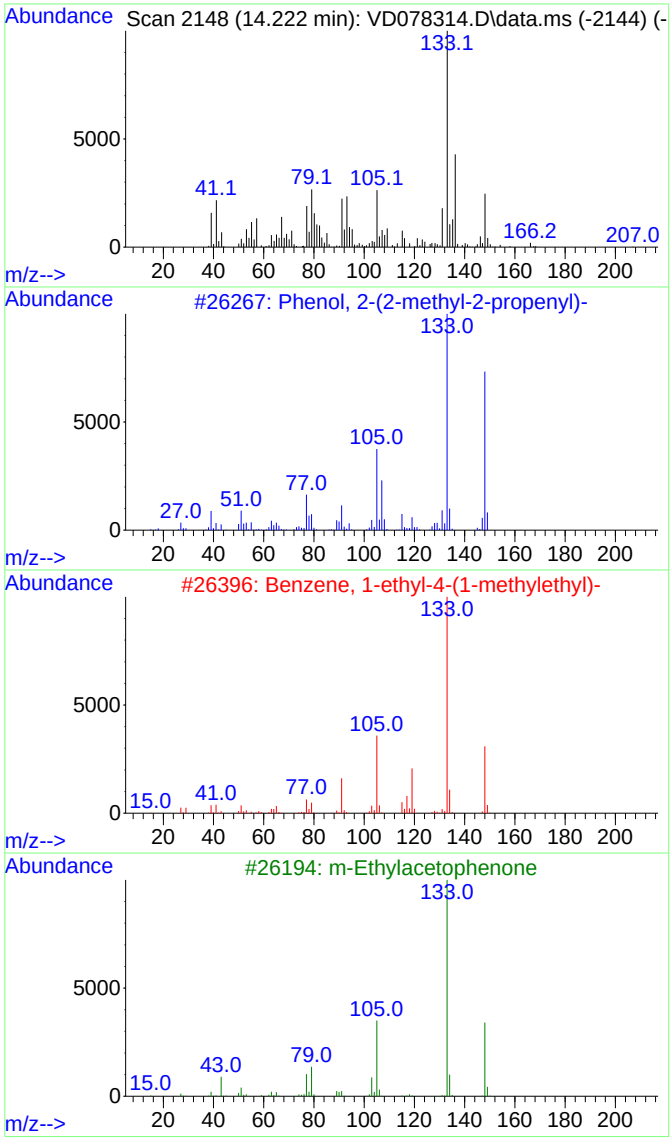
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

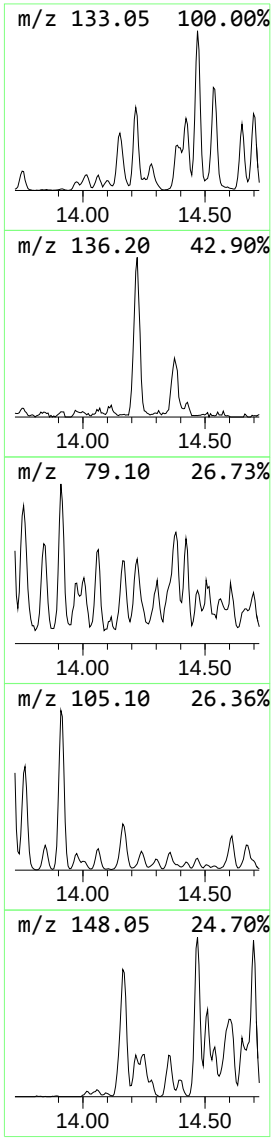
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Phenol, 2-(2-methyl-2-prope... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.222	4.87 ug/L	874577	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	55
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
3	m-Ethylacetophenone	148	C10H12O	022699-70-3	46
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

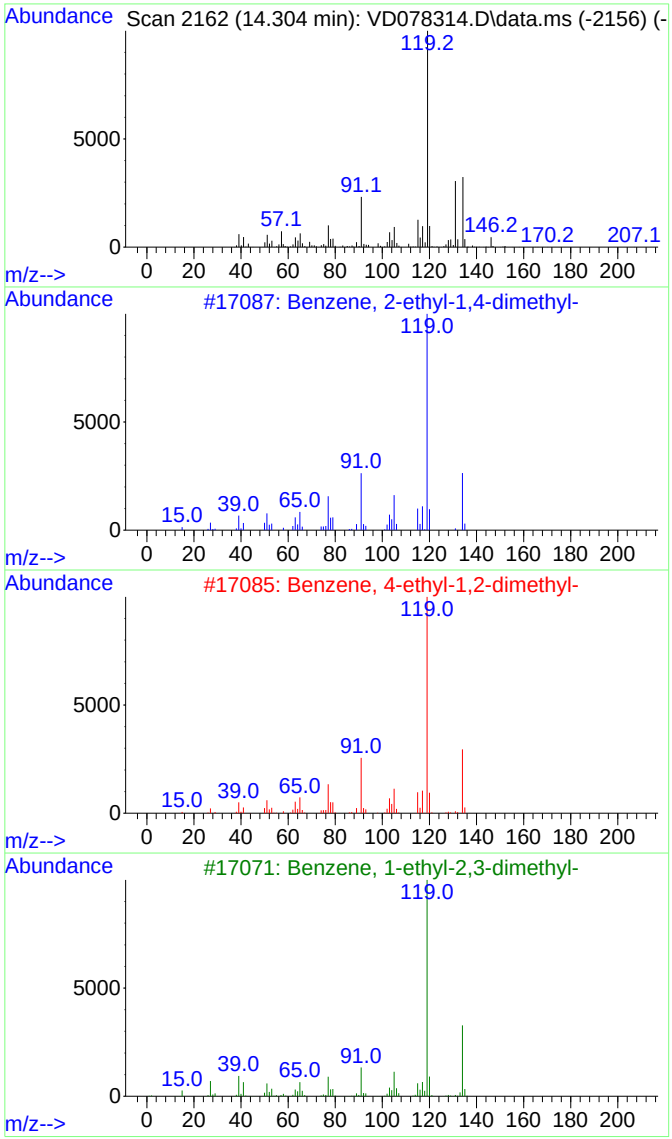
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

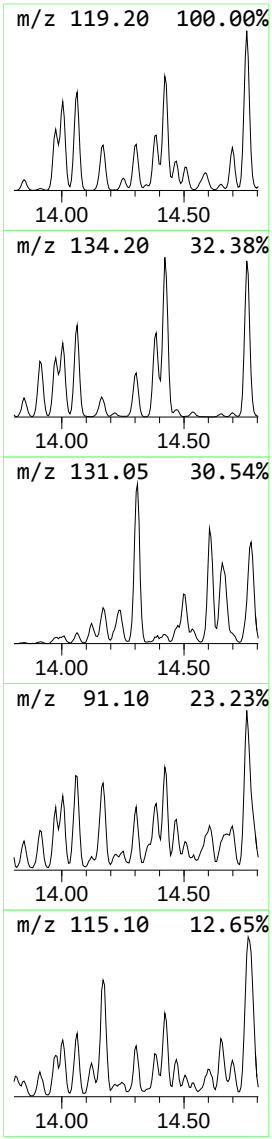
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 unknown-02 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	9.46 ug/L	1699810	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	89
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	o-Cymene	134	C10H14	000527-84-4	76
5	o-Cymene	134	C10H14	000527-84-4	76





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

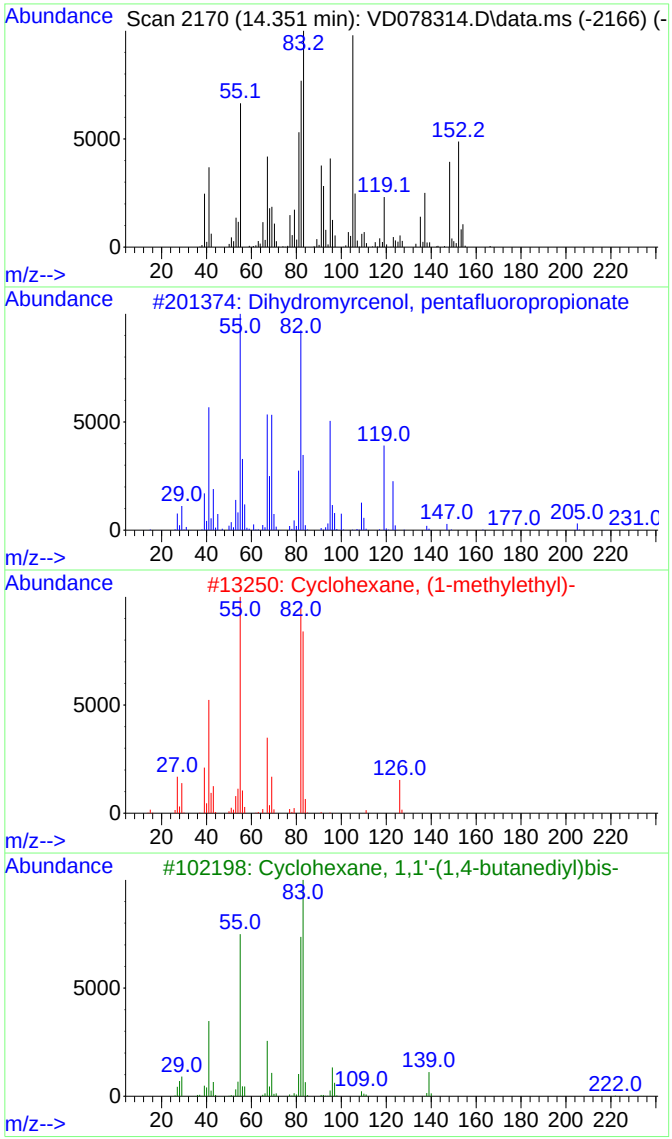
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

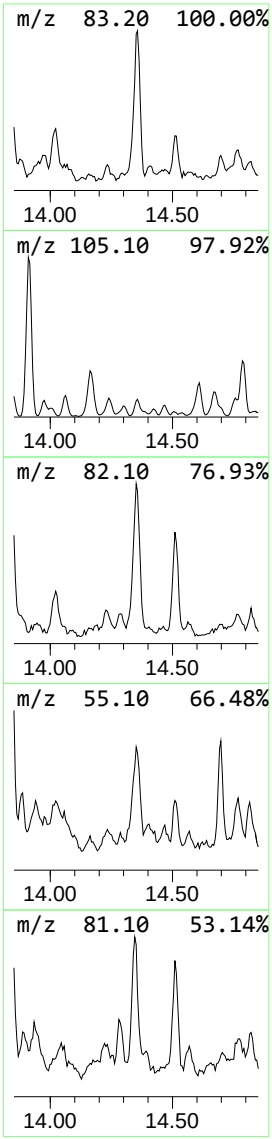
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 unknown-03 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	6.25 ug/L	1122980	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydromyrcenol, pentafluoroprop...	302	C13H19F5O2	1000463-72-1	38
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	35
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	35
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

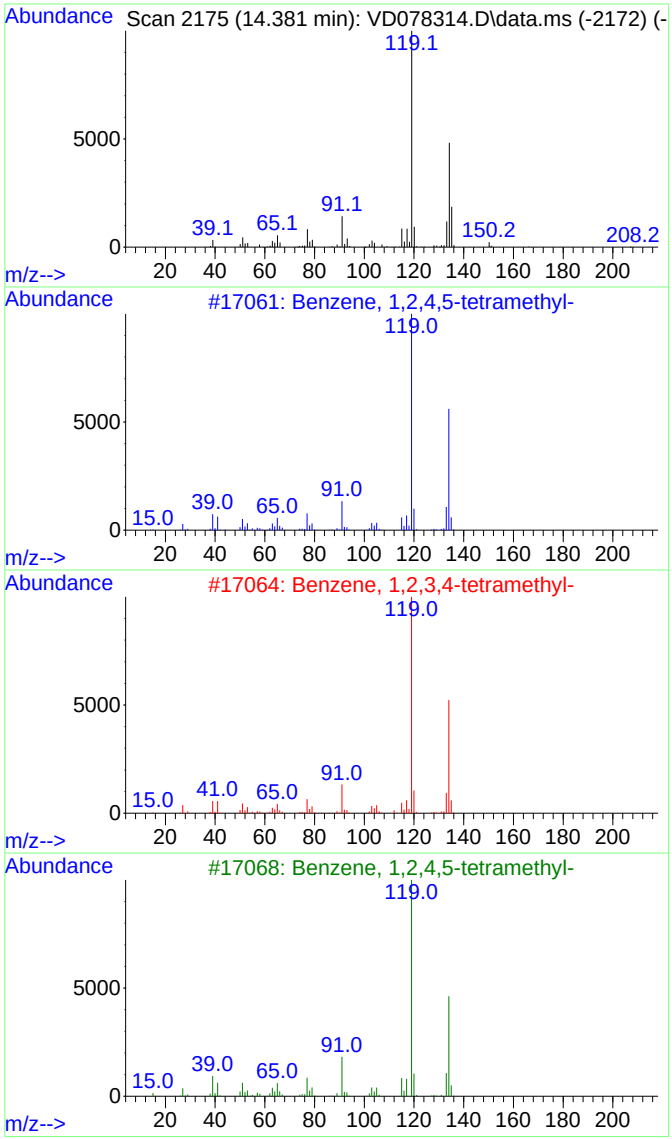
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

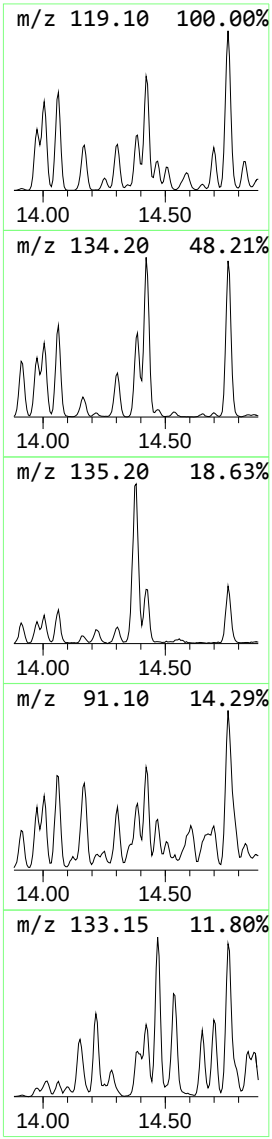
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.381	11.67 ug/L	2097020	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

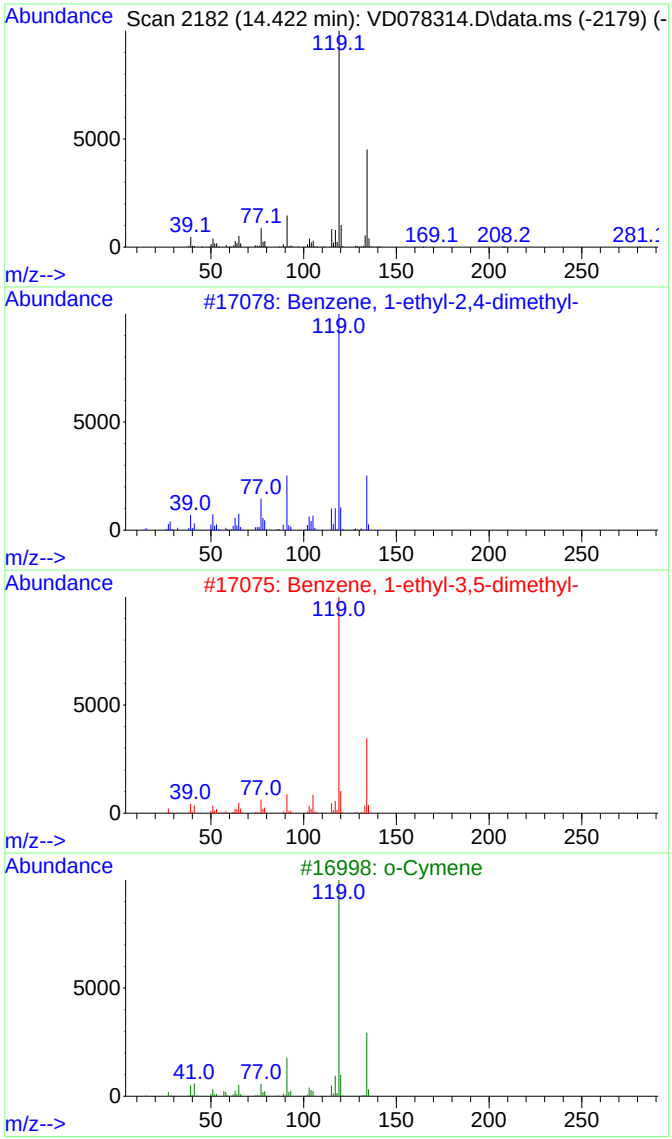
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

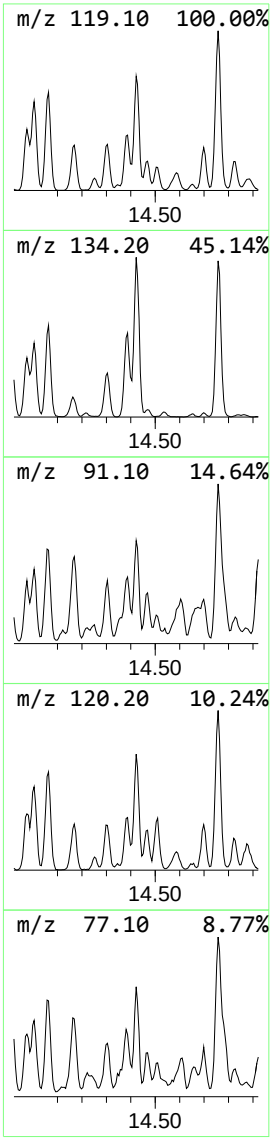
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.422	14.53 ug/L	2609930	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

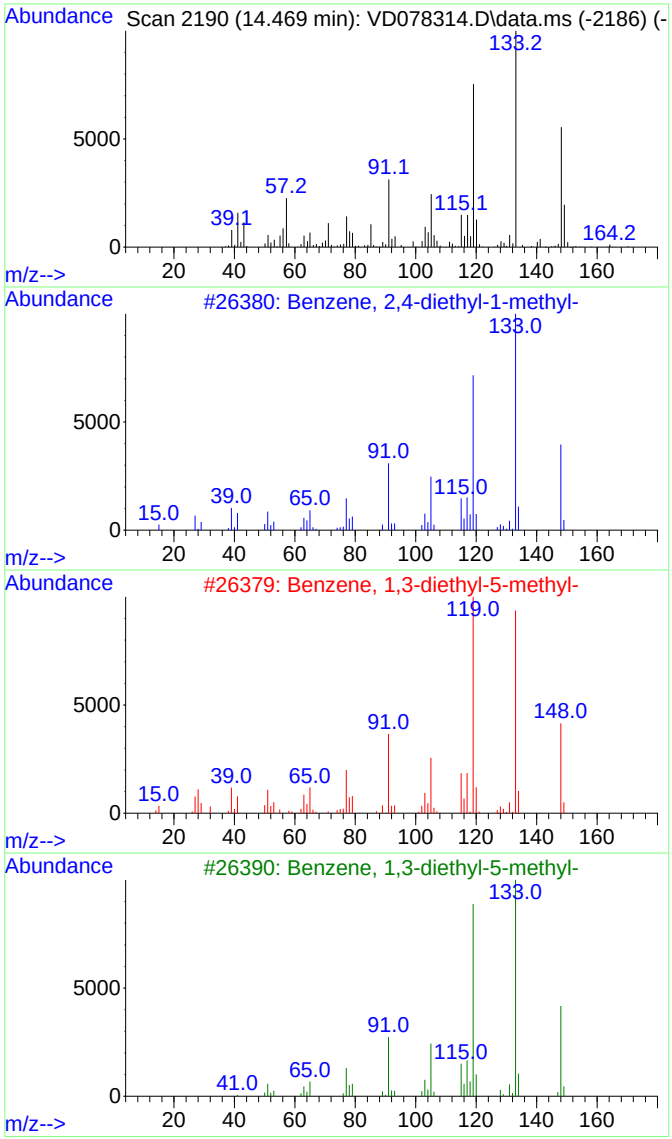
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

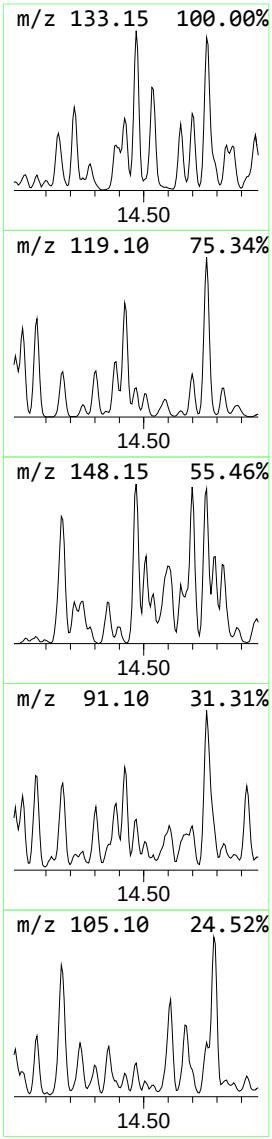
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.469	6.56 ug/L	1179130	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

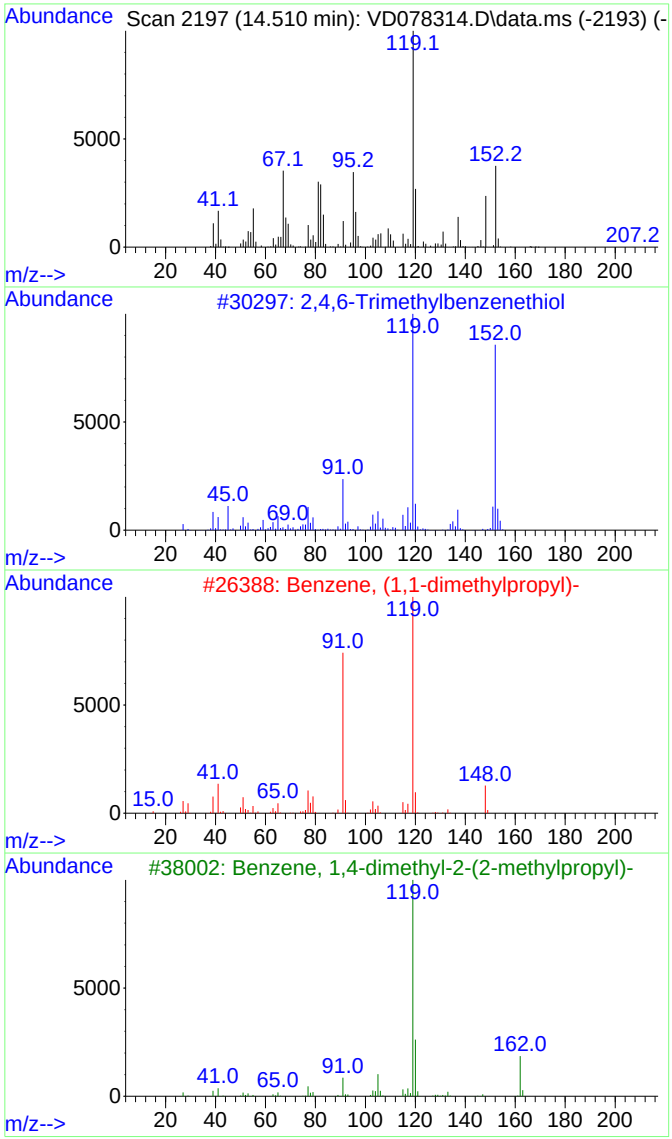
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

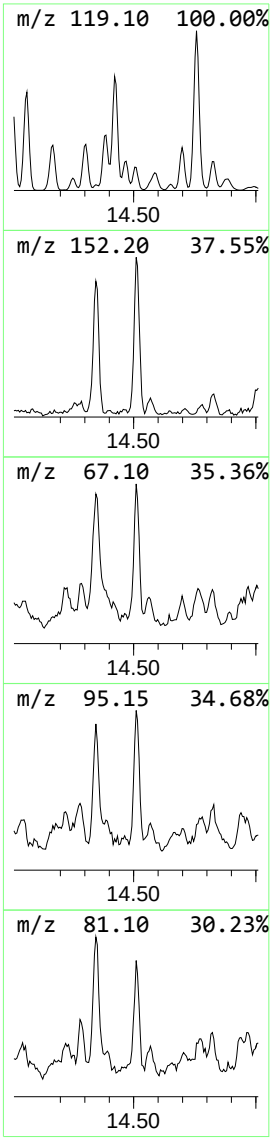
****

Peak Number 57 unknown-04 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.510	6.39 ug/L	1148400	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethylbenzenethiol	152	C9H12S	001541-10-2	43
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	35
4	Pyrazine, isopropenyl-	120	C7H8N2	034413-32-6	35
5	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

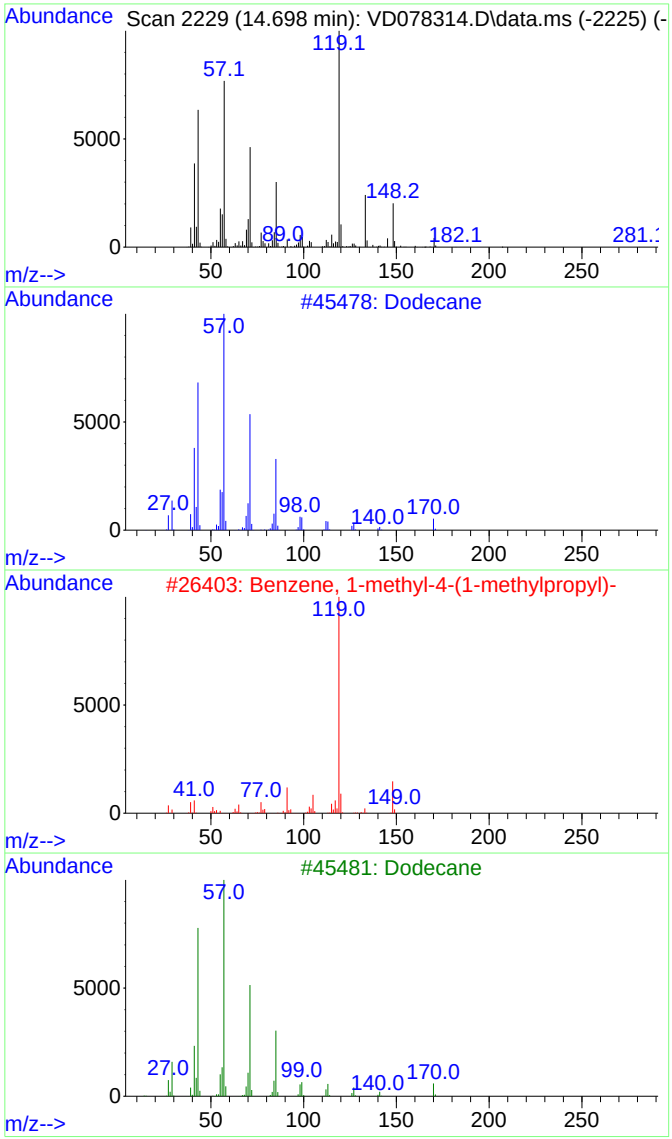
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

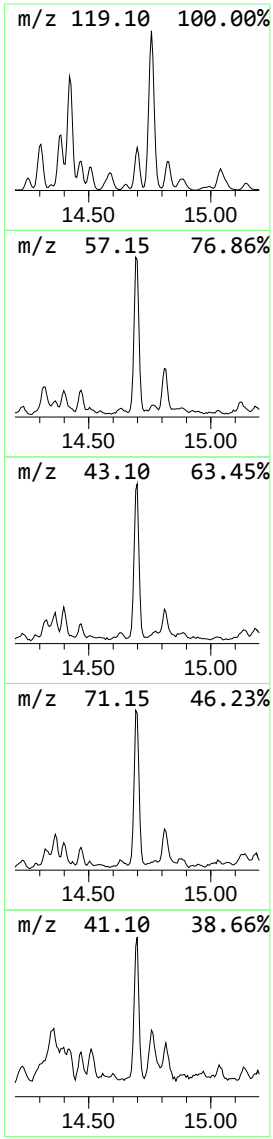
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.698	13.62 ug/L	2445630	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	55
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
3	Dodecane	170	C12H26	000112-40-3	42
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	30
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

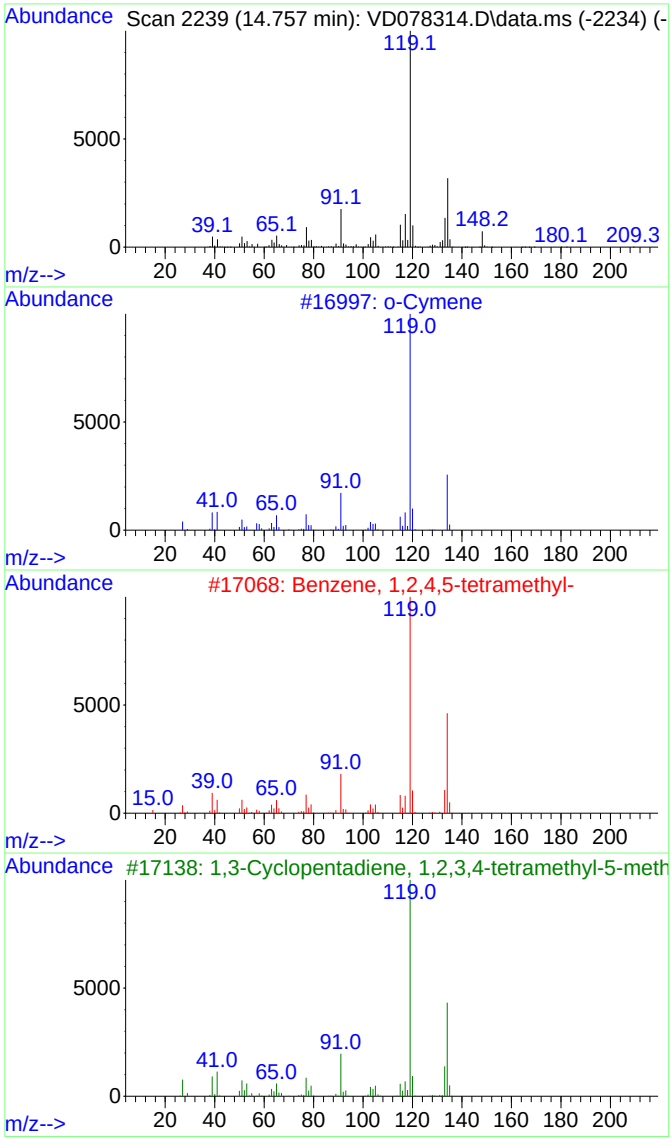
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

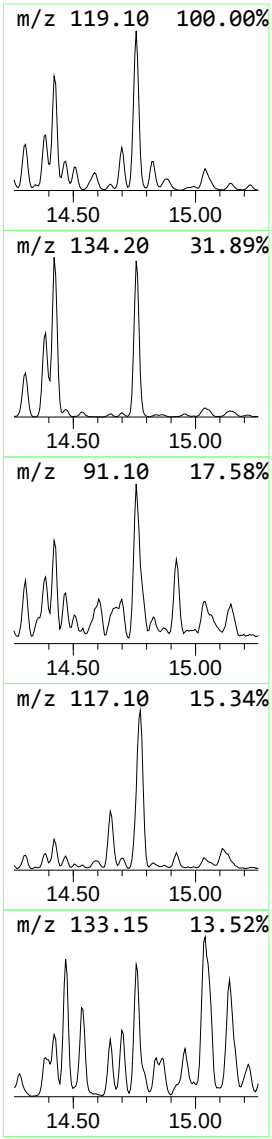
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.757	35.97 ug/L	6461460	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

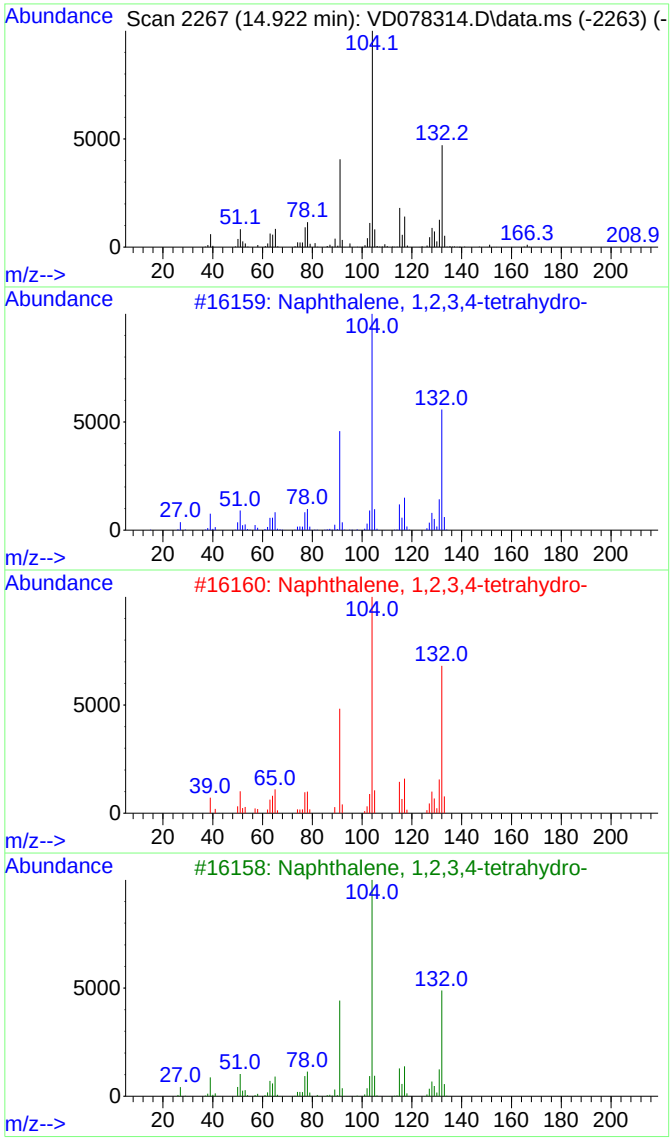
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

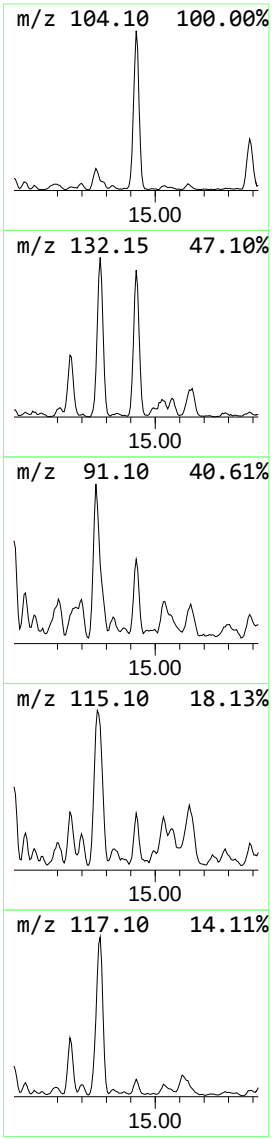
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.922	5.49 ug/L	986898	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	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

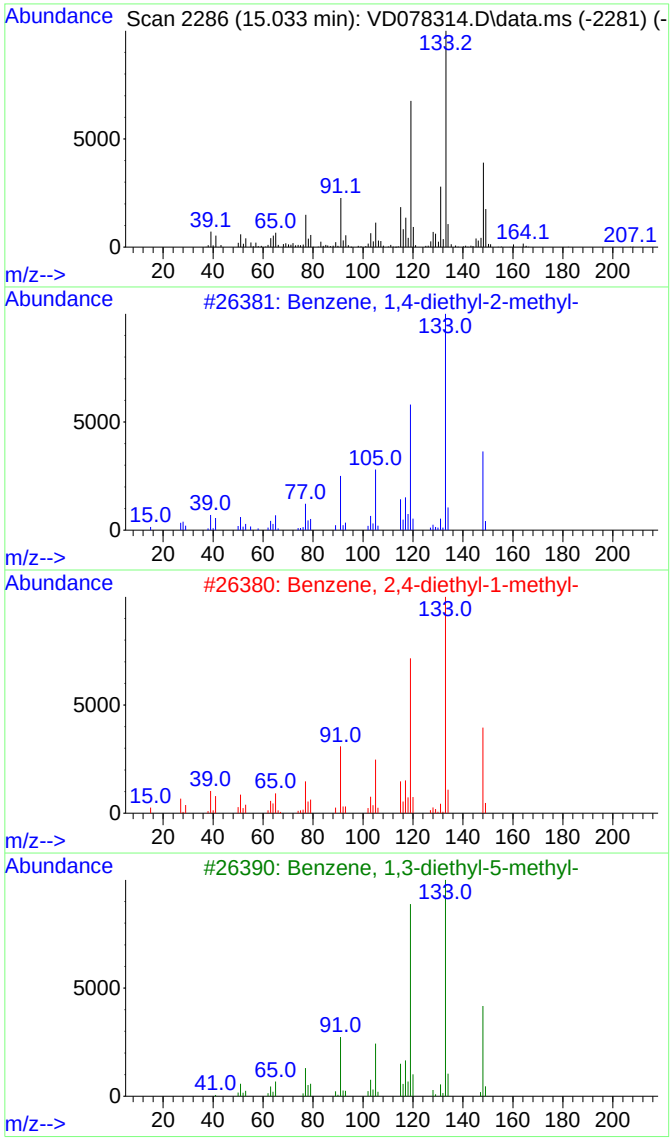
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

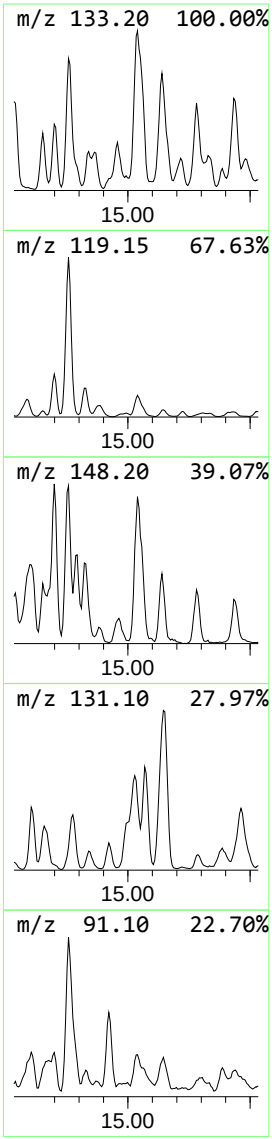
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.034	9.95 ug/L	1788020	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	87
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	83
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

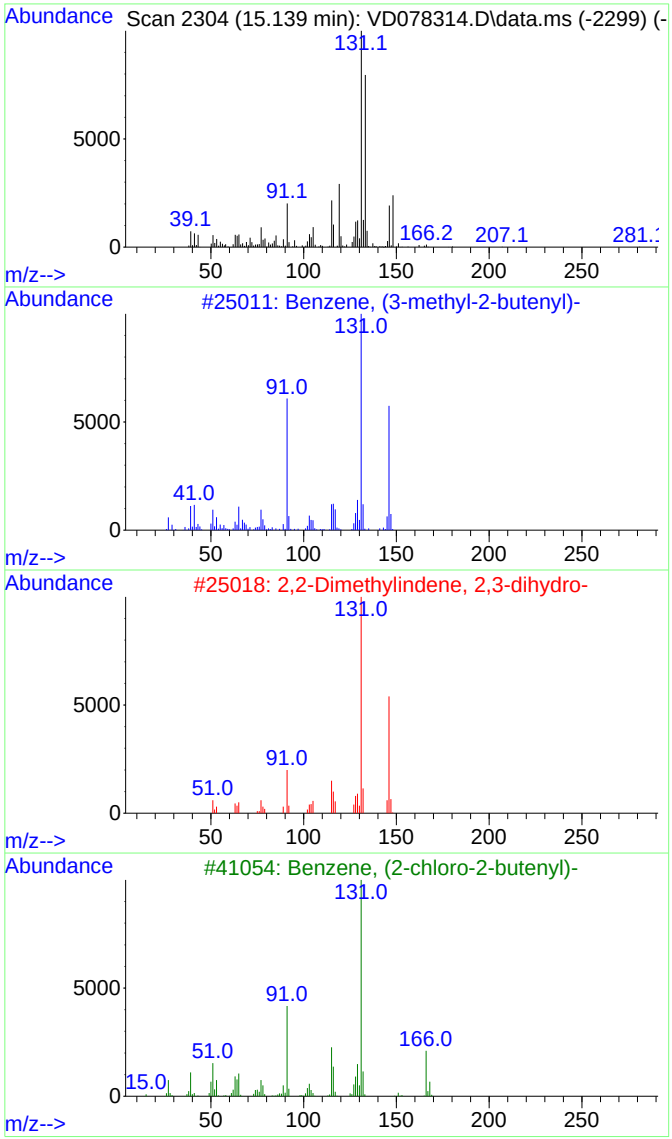
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

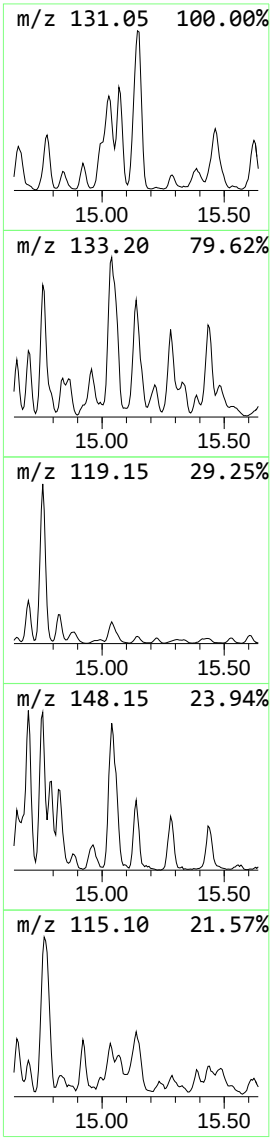
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, (3-methyl-2-butenyl)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	8.45 ug/L	1518520	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

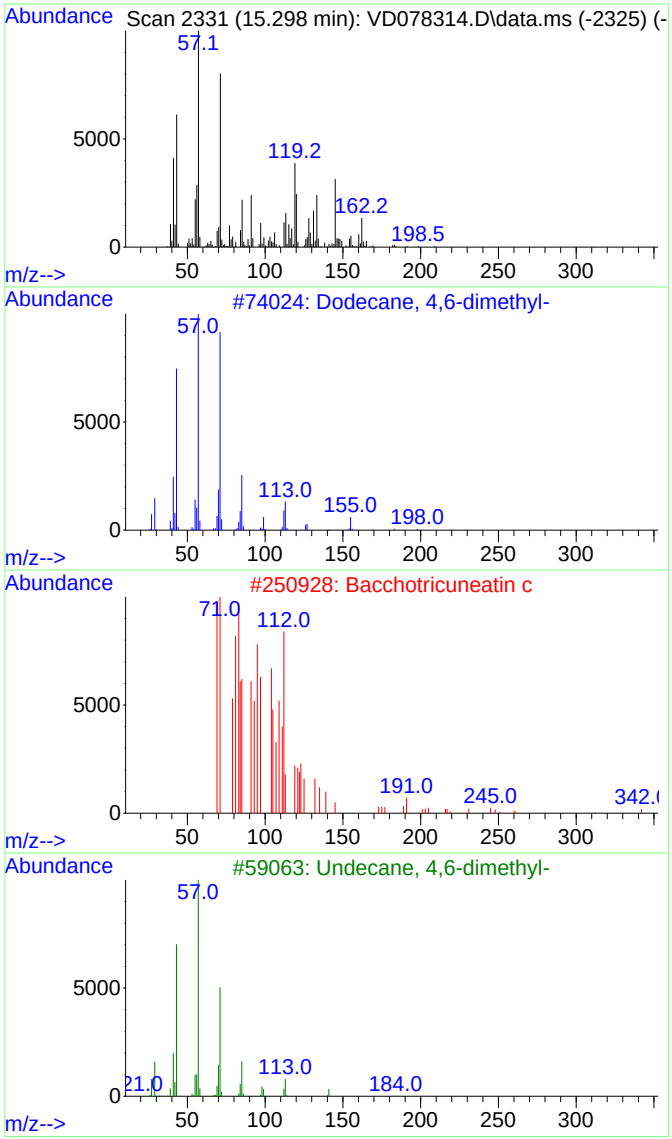
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

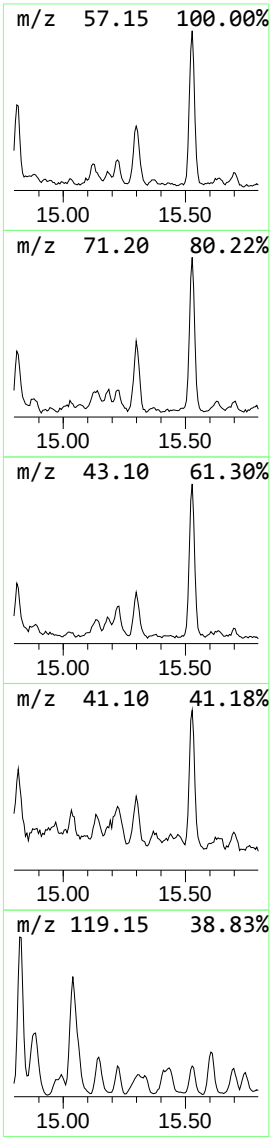
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	4.50 ug/L	808033	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	38
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	38
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	35
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	30





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Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

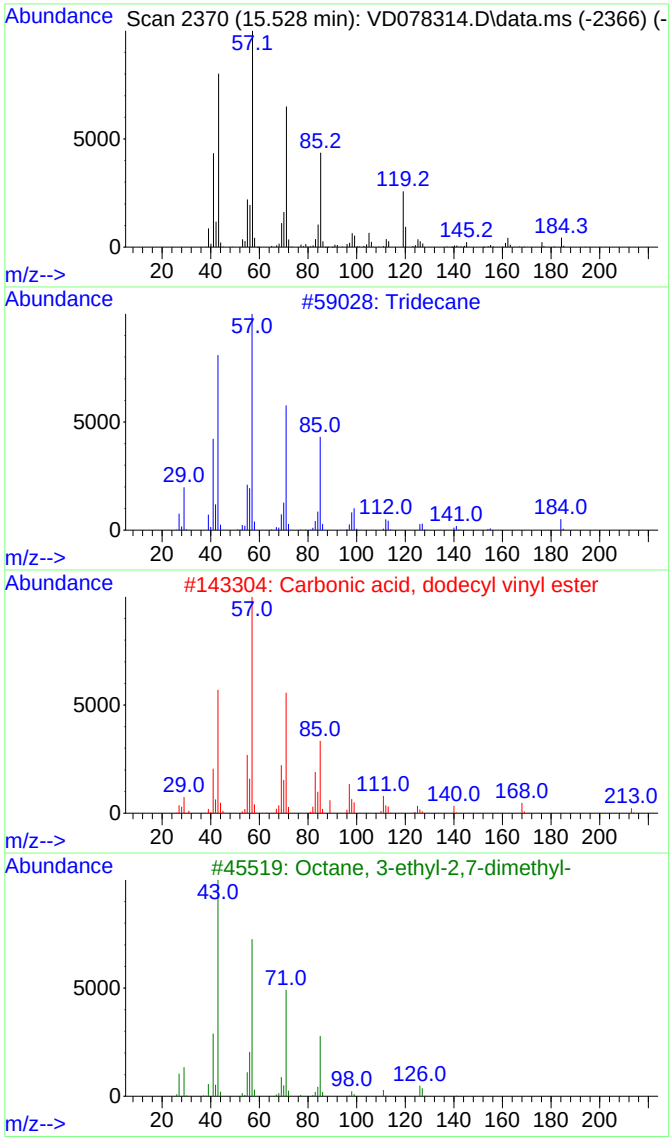
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

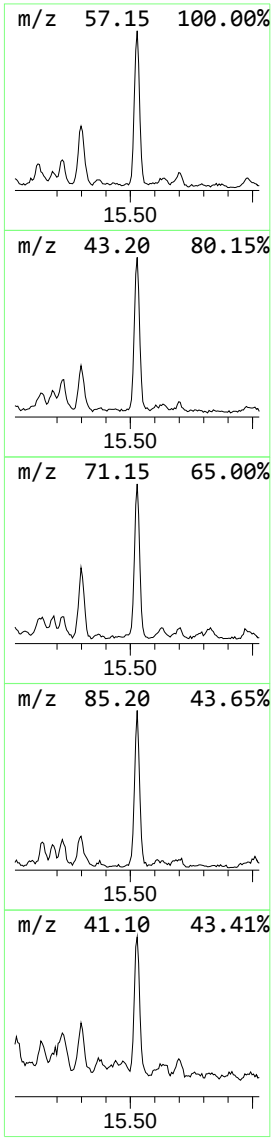
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.528	7.46 ug/L	1340490	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	68
2	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	64
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
4	Carbonic acid, tridecyl vinyl ester	270	C16H30O3	1000382-54-7	59
5	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

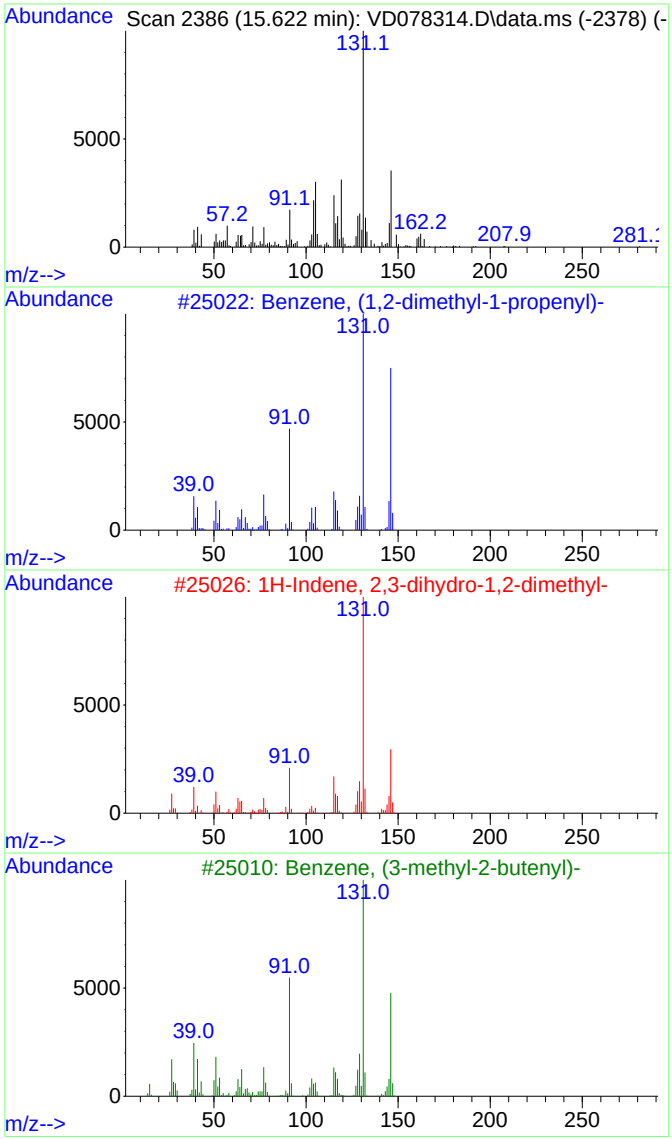
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

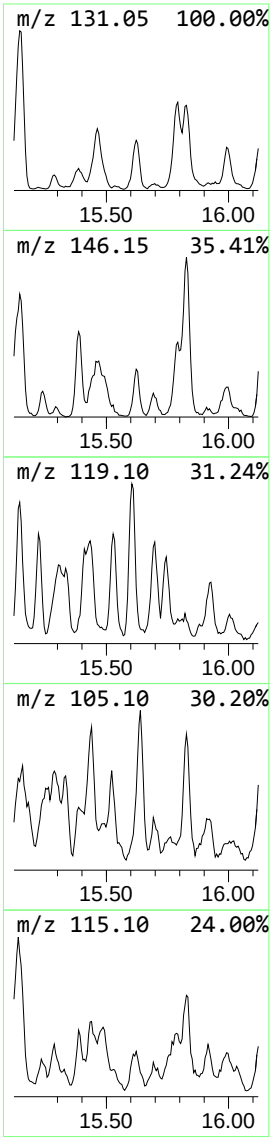
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 71 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.622	4.75 ug/L	853275	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

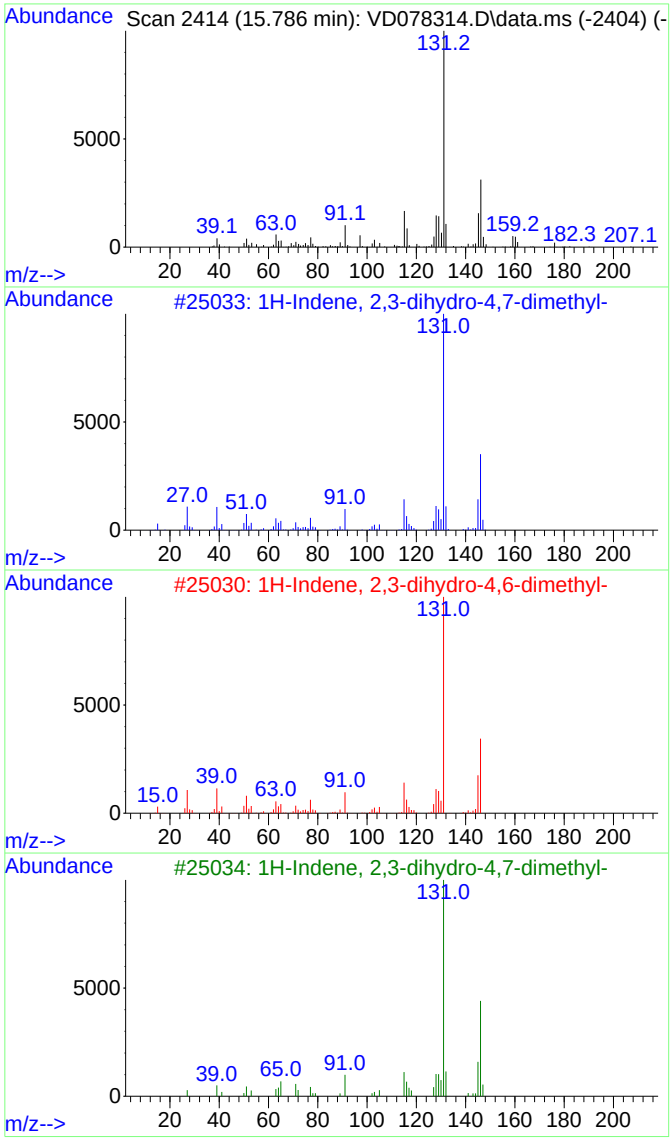
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

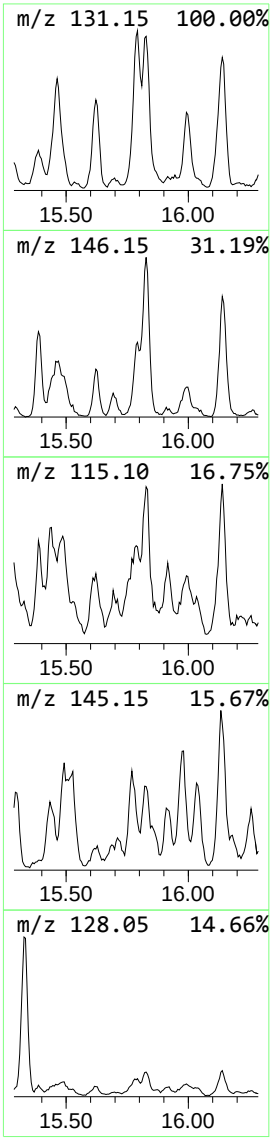
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.786	4.50 ug/L	808782	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

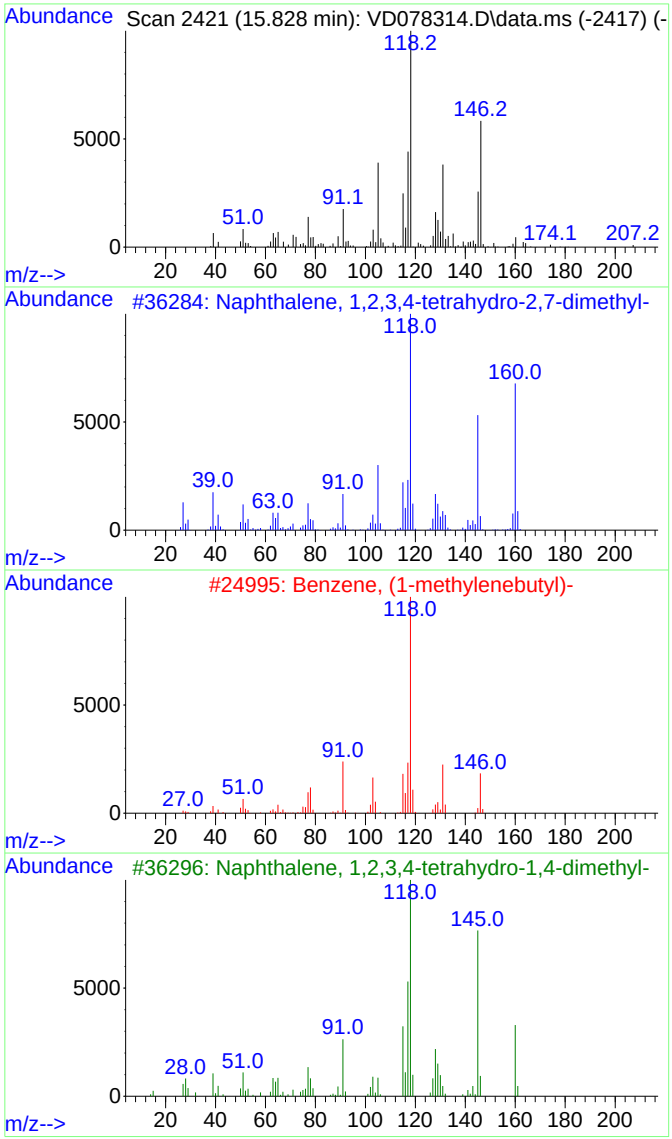
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

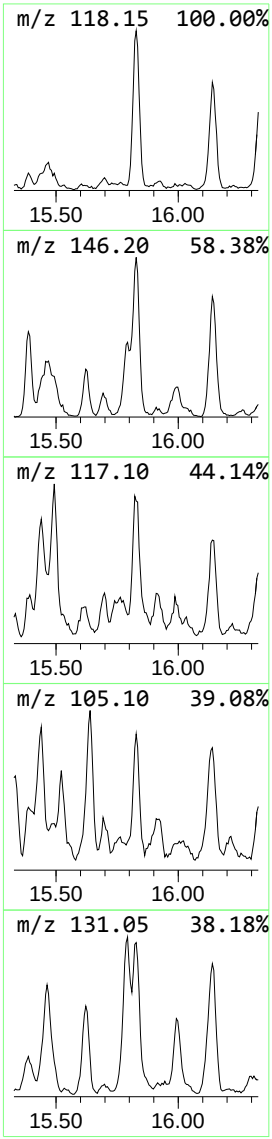
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.828	4.87 ug/L	874787	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	60
2	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	58
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	53
4	1-Methyl-1-phenylcyclobutane	146	C11H14	007306-05-0	47
5	3-Phenylthiane	178	C11H14S	040324-32-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

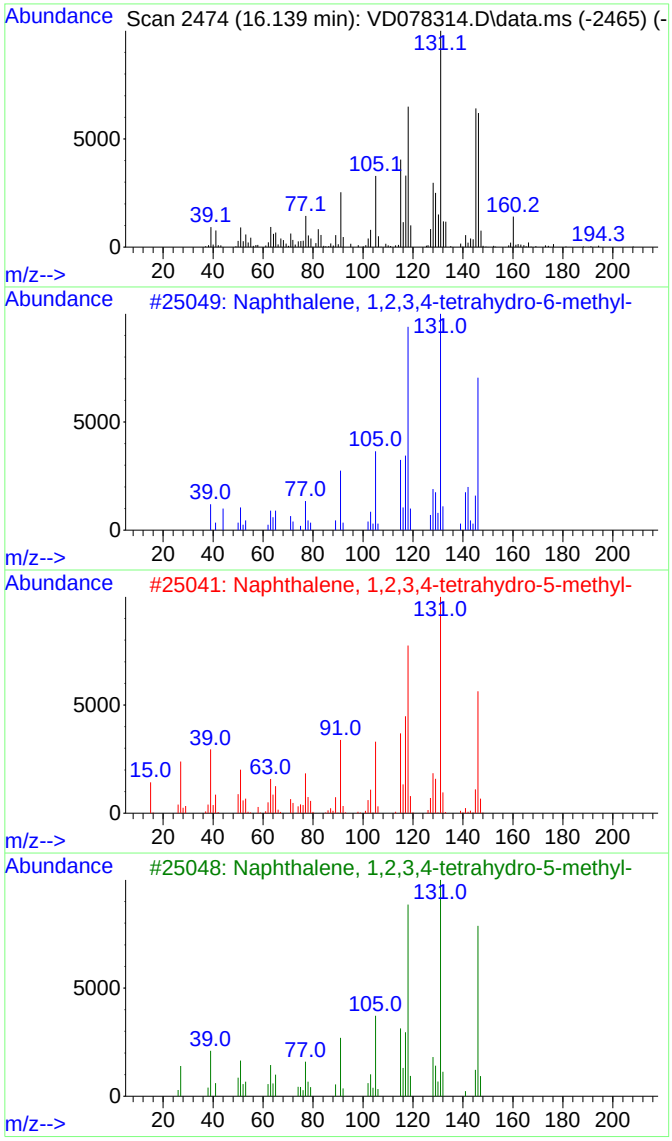
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0

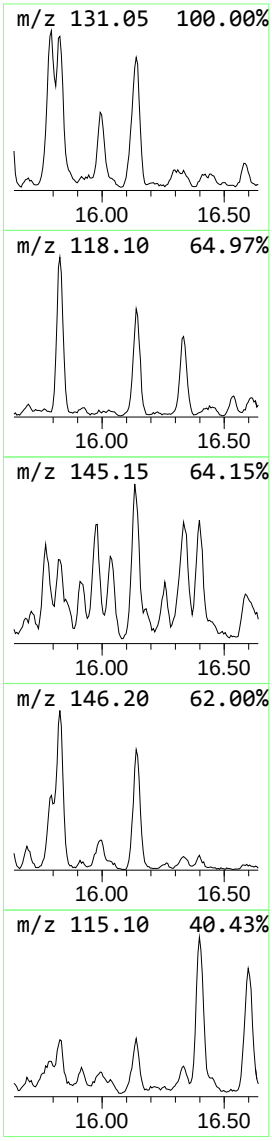
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 77 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.139	7.28 ug/L	1307240	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	92
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078314.D
Acq On : 01 Feb 2024 19:26
Operator : RP/MD
Sample : P1329-11
Misc : 5.85G/10ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
C0FM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.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...	4.005	14.8	ug/L	288442	1	8.775	486758	25.0
(DEL) Alkane: S...	4.846	158.5	ug/L	3085620	1	8.775	486758	25.0
(DEL) Alkane: S...	5.328	131.6	ug/L	2562260	1	8.775	486758	25.0
2-Ethyl-oxetane	5.840	127.3	ug/L	2478370	1	8.775	486758	25.0
(DEL) Alkane: S...	6.616	19.3	ug/L	375299	1	8.775	486758	25.0
(DEL) Alkane: S...	6.781	24.9	ug/L	485730	1	8.775	486758	25.0
(DEL) Alkane: C...	6.893	54.3	ug/L	1056580	1	8.775	486758	25.0
(DEL) Alkane: S...	7.963	79.4	ug/L	1545770	1	8.775	486758	25.0
(DEL) Alkane: S...	8.087	238.9	ug/L	4651430	1	8.775	486758	25.0
(DEL) Alkane: C...	8.363	55.2	ug/L	1074130	1	8.775	486758	25.0
(DEL) Alkane: C...	8.440	31.3	ug/L	609178	1	8.775	486758	25.0
(DEL) Alkane: C...	8.504	33.9	ug/L	660749	1	8.775	486758	25.0
(DEL) Alkane: S...	8.634	206.5	ug/L	4019890	1	8.775	486758	25.0
(DEL) Alkane: S...	9.328	46.5	ug/L	906253	1	8.775	486758	25.0
(DEL) Alkane: S...	9.522	16.6	ug/L	323250	1	8.775	486758	25.0
(DEL) Alkane: C...	9.693	26.9	ug/L	524217	1	8.775	486758	25.0
(DEL) Alkane: S...	9.845	53.6	ug/L	1043330	1	8.775	486758	25.0
(DEL) Alkane: S...	9.904	163.6	ug/L	3184670	1	8.775	486758	25.0
(DEL) Alkane: S...	10.046	306.7	ug/L	5971980	1	8.775	486758	25.0
(DEL) Alkane: S...	10.457	352.6	ug/L	5904160	2	11.581	418644	25.0
(DEL) Alkane: C...	10.610	45.2	ug/L	756342	2	11.581	418644	25.0
(DEL) Alkane: C...	10.710	38.1	ug/L	638671	2	11.581	418644	25.0
Sulfurous acid,...	10.798	30.9	ug/L	516803	2	11.581	418644	25.0
(DEL) Alkane: S...	10.993	74.0	ug/L	1238730	2	11.581	418644	25.0
(DEL) Alkane: S...	11.057	31.7	ug/L	531388	2	11.581	418644	25.0
(DEL) Alkane: C...	11.128	80.8	ug/L	1352700	2	11.581	418644	25.0
(DEL) Alkane: C...	11.181	79.3	ug/L	1327990	2	11.581	418644	25.0
(DEL) Alkane: S...	11.293	53.9	ug/L	902792	2	11.581	418644	25.0
(DEL) Alkane: S...	11.369	261.5	ug/L	4379670	2	11.581	418644	25.0
(DEL) Alkane: S...	11.469	151.2	ug/L	2531280	2	11.581	418644	25.0
(DEL) Alkane: C...	11.869	30.4	ug/L	508373	2	11.581	418644	25.0
(DEL) Alkane: S...	12.210	23.2	ug/L	389158	2	11.581	418644	25.0
Pentalene, octa...	12.292	37.6	ug/L	629565	2	11.581	418644	25.0
(DEL) Alkane: C...	12.334	43.6	ug/L	729784	2	11.581	418644	25.0
(DEL) Alkane: S...	12.740	6.9	ug/L	1235970	3	13.516	4490530	25.0
Benzene, 1-ethy...	12.828	12.6	ug/L	2264110	3	13.516	4490530	25.0
Benzene, 1-ethy...	13.063	17.5	ug/L	3145260	3	13.516	4490530	25.0
(DEL) Alkane: S...	13.128	4.3	ug/L	775713	3	13.516	4490530	25.0
Benzene, 1-meth...	13.404	9.2	ug/L	1647370	3	13.516	4490530	25.0
p-Cymene	13.457	5.0	ug/L	904007	3	13.516	4490530	25.0
Benzene, 1,2-di...	13.681	4.8	ug/L	865353	3	13.516	4490530	25.0
Benzene, (1-met...	13.710	14.3	ug/L	2567340	3	13.516	4490530	25.0
Benzene, 2-ethy...	13.751	18.4	ug/L	3298420	3	13.516	4490530	25.0
Benzene, 1-meth...	13.910	9.6	ug/L	1728110	3	13.516	4490530	25.0
unknown-01	13.975	9.3	ug/L	1670240	3	13.516	4490530	25.0
o-Cymene	14.004	11.9	ug/L	2137140	3	13.516	4490530	25.0
Benzene, 4-ethy...	14.063	13.9	ug/L	2494170	3	13.516	4490530	25.0
1-Methyl-2-phen...	14.169	13.6	ug/L	2442750	3	13.516	4490530	25.0
Phenol, 2-(2-me...	14.222	4.9	ug/L	874577	3	13.516	4490530	25.0
unknown-02	14.304	9.5	ug/L	1699810	3	13.516	4490530	25.0
unknown-03	14.351	6.3	ug/L	1122980	3	13.516	4490530	25.0
Benzene, 1,2,4,...	14.381	11.7	ug/L	2097020	3	13.516	4490530	25.0

Benzene, 1-ethy...	14.422	14.5	ug/L	2609930	3	13.516	4490530	25.0
Benzene, 2,4-di...	14.469	6.6	ug/L	1179130	3	13.516	4490530	25.0
unknown-04	14.510	6.4	ug/L	1148400	3	13.516	4490530	25.0
(DEL) Alkane: S...	14.698	13.6	ug/L	2445630	3	13.516	4490530	25.0
1,3-Cyclopentad...	14.757	36.0	ug/L	6461460	3	13.516	4490530	25.0
Naphthalene, 1,...	14.922	5.5	ug/L	986898	3	13.516	4490530	25.0
Benzene, 1,4-di...	15.034	9.9	ug/L	1788020	3	13.516	4490530	25.0
Benzene, (3-met...	15.139	8.4	ug/L	1518520	3	13.516	4490530	25.0
(DEL) Alkane: S...	15.298	4.5	ug/L	808033	3	13.516	4490530	25.0
(DEL) Alkane: S...	15.528	7.5	ug/L	1340490	3	13.516	4490530	25.0
Benzene, (1,2-d...	15.622	4.8	ug/L	853275	3	13.516	4490530	25.0
1H-Indene, 2,3-...	15.786	4.5	ug/L	808782	3	13.516	4490530	25.0
Naphthalene, 1,...	15.828	4.9	ug/L	874787	3	13.516	4490530	25.0
Naphthalene, 1,...	16.139	7.3	ug/L	1307240	3	13.516	4490530	25.0

Instrument :
MSVOA_D
ClientSampleId :
C0FM2