LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Title : SFAM01.0

Signal : TIC: VW020814.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	64	73	83	rVV2	58578	106572	0.20%	0.074%
2	4.043	335	351	356	rBV2	230668	740439	1.42%	0.514%
3	4.117	356	363	397	rVV	1185130	3273195	6.29%	2.274%
4	4.385	397	407	429	rVB	191139	570956	1.10%	0.397%
5	4.958	475	501	525	rVB	114500	488682	0.94%	0.340%
6	5.433	563	579	599	rBV2	200951	694925	1.33%	0.483%
7	5.939	648	662	678	rBV	385699	1155029	2.22%	0.802%
8	6.220	694	708	727	rBV	1234152	3737322	7.18%	2.597%
9	6.878	804	816	824	rBV2	24010	78123	0.15%	0.054%
10	6.988	824	834	845	rVB	129538	388805	0.75%	0.270%
11	7.165	845	863	901	rBV2	14579088	52068082	100.00%	36.175%
12	7.494	909	917	933	rVB	26071	72012	0.14%	0.050%
13	7.646	933	942	961	rVB	87329	229683	0.44%	0.160%
14	7.927	982	988	999	rVB3	65329	194333	0.37%	0.135%
15	8.031	999	1005	1015	rVB	54508	136048	0.26%	0.095%
16	8.159	1017	1026	1032	rBV	71112	166171	0.32%	0.115%
17	8.274	1038	1045	1049	rBV	159411	378889	0.73%	0.263%
18	8.402	1060	1066	1074	rBV3	38872	127255	0.24%	0.088%
19	8.482	1074	1079	1088	rVV	48973	147664	0.28%	0.103%
20	8.573	1088	1094	1105	rVB2	39337	91834	0.18%	0.064%
21	8.695	1105	1114	1126	rBV	204960	401928	0.77%	0.279%
22	8.841	1130	1138	1152	rVB	230462	451577	0.87%	0.314%
23	9.079	1165	1177	1185	rBV2	38763	104255	0.20%	0.072%
24	9.274	1200	1209	1214	rBV	135150	310802	0.60%	0.216%
25	9.335	1214	1219	1225	rVB	251331	477163	0.92%	0.332%
26	9.445	1231	1237	1244	rVB2	43342	95437	0.18%	0.066%
27	9.756	1279	1288	1298	rBV3	54841	111070	0.21%	0.077%
28	9.896	1303	1311	1316	rBV	56666	113917	0.22%	0.079%
29	9.957	1316	1321	1329	rVV2	73458	147855	0.28%	0.103%
30	10.036	1329	1334	1339	rVV	74913	129233	0.25%	0.090%
31	10.097	1339	1344	1355	rVB	56494	123422	0.24%	0.086%
32	10.213	1355	1363	1375	rBV	524004	1062220	2.04%	0.738%
33	10.329	1375	1382	1385	rBV	341449	640424	1.23%	0.445%
34	10.396	1385	1393	1405	rVV	17688662	44157742	84.81%	30.679%
35	10.506	1405	1411	1417	rVB	179069	297736	0.57%	0.207%
36	10.573	1417	1422	1428	rBV2	86849	163777	0.31%	0.114%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
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Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Title : SFAM01.0

37	10.926	1474	1480	1488	rBV3	113968	223563	0.43%	0.155%
38	11.176	1513	1521	1525	rBV	67895	114257	0.22%	0.079%
39	11.231	1525	1530	1535	rVB	78074	134969	0.26%	0.094%
40	11.335	1542	1547	1551	rBV2	41793	70702	0.14%	0.049%
41	11.408	1551	1559	1570	rVB3	130880	357808	0.69%	0.249%
42	11.512	1570	1576	1581	rBV	147221	234767	0.45%	0.163%
43	11.634	1587	1596	1604	rBV	351506	611431	1.17%	0.425%
44	11.731	1604	1612	1615	rBV3	57116	97209	0.19%	0.068%
45	11.841	1620	1630	1639	rVV3	1041494	1879223	3.61%	1.306%
46	11.914	1639	1642	1648	rVB	100769	167375	0.32%	0.116%
47	11.975	1648	1652	1659	rBV2	33197	86298	0.17%	0.060%
48	12.060	1659	1666	1671	rVB3	63221	127589	0.25%	0.089%
49	12.140	1671	1679	1690	rBV6	235325	730660	1.40%	0.508%
50	12.249	1690	1697	1702	rVB	402577	678874	1.30%	0.472%
51	12.365	1702	1716	1727	rBV6	449759	1818236	3.49%	1.263%
52	12.457	1727	1731	1732	rVV3	64544	86601	0.17%	0.060%
53	12.505	1734	1739	1741	rVV3	227670	445291	0.86%	0.309%
54	12.542	1741	1745	1747	rVV	388850	660176	1.27%	0.459%
55	12.566	1747	1749	1753	rVB	375606	442769	0.85%	0.308%
56	12.621	1753	1758	1759	rBV4	69170	96478	0.19%	0.067%
57	12.652	1759	1763	1766	rVB	274553	350958	0.67%	0.244%
58	12.694	1766	1770	1775	rVB	163429	246578	0.47%	0.171%
59	12.780	1779	1784	1791	rVB2	360216	774042	1.49%	0.538%
60	12.865	1791	1798	1801	rBV3	310699	580826	1.12%	0.404%
61	12.932	1801	1809	1815	rVV2	2718263	4620026	8.87%	3.210%
62	12.993	1815	1819	1823	rVB	217548	344456	0.66%	0.239%
63	13.078	1829	1833	1836	rBV3	145448	232031	0.45%	0.161%
64	13.121	1837	1840	1843	rVV2	57701	86550	0.17%	0.060%
65	13.164	1843	1847	1855	rVB	553637	857732	1.65%	0.596%
66	13.249	1856	1861	1866	rBV	479159	759520	1.46%	0.528%
67	13.347	1873	1877	1879	rBV3	105277	168885	0.32%	0.117%
68	13.377	1879	1882	1886	rVB3	198127	290887	0.56%	0.202%
69	13.444	1886	1893	1897	rBV3	541755	1034830	1.99%	0.719%
70	13.487	1897	1900	1907	rVV3	272803	555484	1.07%	0.386%
71	13.554	1907	1911	1919	rVB3	516999	897805	1.72%	0.624%
72	13.621	1919	1922	1930	rVB2	141674	264299	0.51%	0.184%
73	13.712	1930	1937	1939	rBV4	109020	230249	0.44%	0.160%
74	13.749	1939	1943	1946	rVV	293330	414721	0.80%	0.288%
75	13.792	1946	1950	1954	rVV3	274065	511763	0.98%	0.356%
76	13.871	1956	1963	1968	rVV2	1380018	2333631	4.48%	1.621%

LSC Area Percent Report

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Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Title : SFAM01.0

77	13.950	1972	1976	1982	rVV	128558	236350	0.45%	0.164%
78	14.011	1982	1986	1988	rVV	181539	290513	0.56%	0.202%
79	14.036	1988	1990	1995	rVV	201351	284453	0.55%	0.198%
80	14.097	1995	2000	2004	rVB	202872	301031	0.58%	0.209%
81	14.200	2012	2017	2022	rVB2	206116	341977	0.66%	0.238%
82	14.261	2022	2027	2033	rVV8	46842	113889	0.22%	0.079%
83	14.340	2033	2040	2043	rVV3	135983	268244	0.52%	0.186%
84	14.383	2043	2047	2050	rVV3	178776	317499	0.61%	0.221%
85	14.420	2050	2053	2056	rVV2	133629	229268	0.44%	0.159%
86	14.450	2056	2058	2062	rVV	172095	234195	0.45%	0.163%
87	14.493	2062	2065	2069	rVV3	77601	106857	0.21%	0.074%
88	14.542	2069	2073	2080	rVB3	84052	157177	0.30%	0.109%
89	14.718	2093	2102	2108	rBV2	428600	640388	1.23%	0.445%
90	14.792	2108	2114	2118	rBV2	234462	444644	0.85%	0.309%
91	14.834	2118	2121	2129	rVB2	139089	256019	0.49%	0.178%
92	14.956	2137	2141	2146	rVB	48467	77260	0.15%	0.054%
93	15.163	2171	2175	2180	rBV4	28669	67152	0.13%	0.047%
94	15.243	2184	2188	2195	rVB7	62609	145624	0.28%	0.101%
95	15.316	2195	2200	2208	rVB	119442	202791	0.39%	0.141%
96	15.548	2233	2238	2247	rVB	289488	479439	0.92%	0.333%
97	15.657	2247	2256	2262	rBV10	29831	93988	0.18%	0.065%
98	15.724	2263	2267	2274	rVB4	44556	78619	0.15%	0.055%
99	16.279	2353	2358	2366	rVB	54158	101816	0.20%	0.071%
100	16.486	2387	2392	2398	rVB	121071	211816	0.41%	0.147%

Sum of corrected areas: 143935135

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
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Acq On : 08 Nov 2021 16:32
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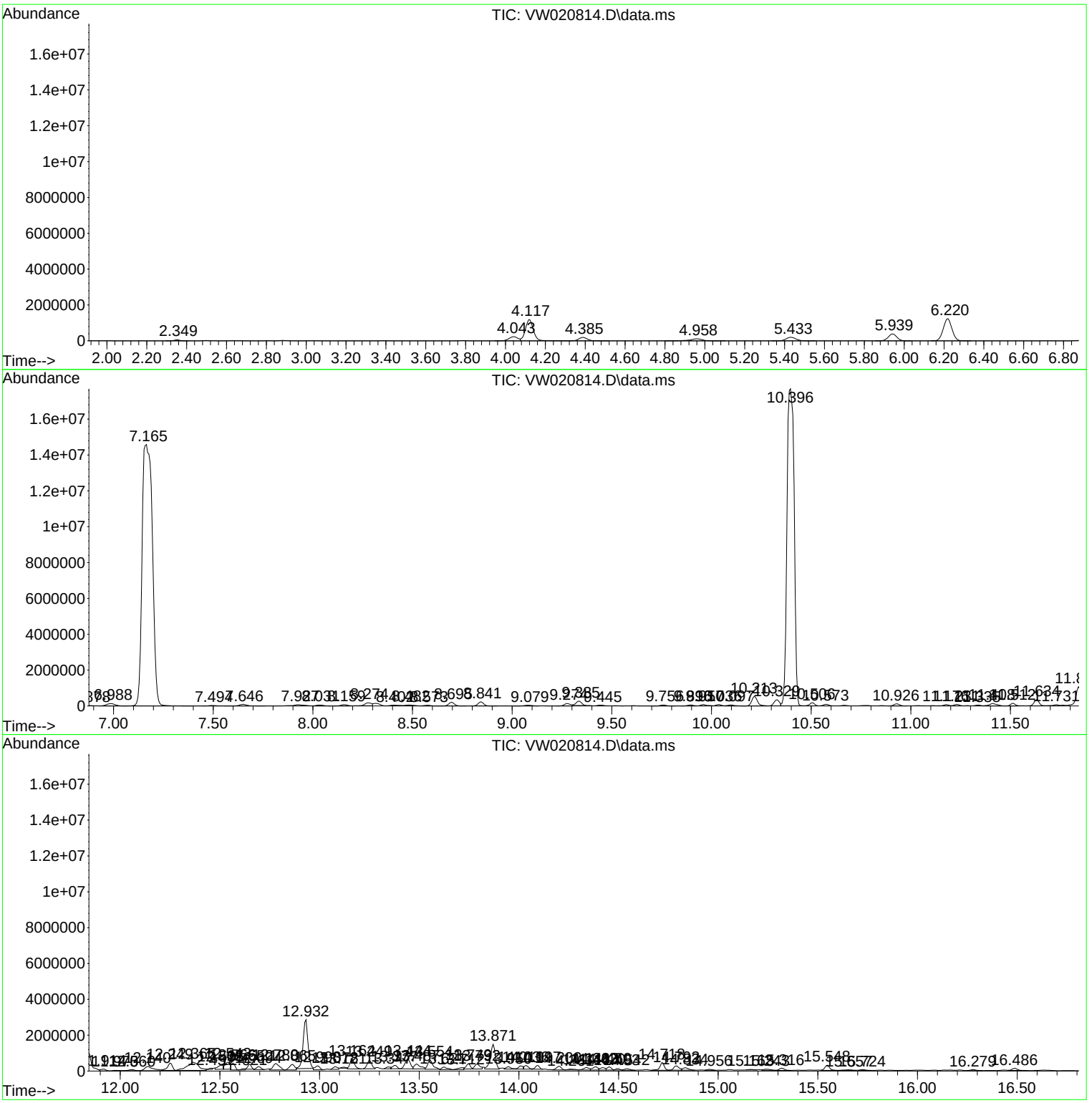
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

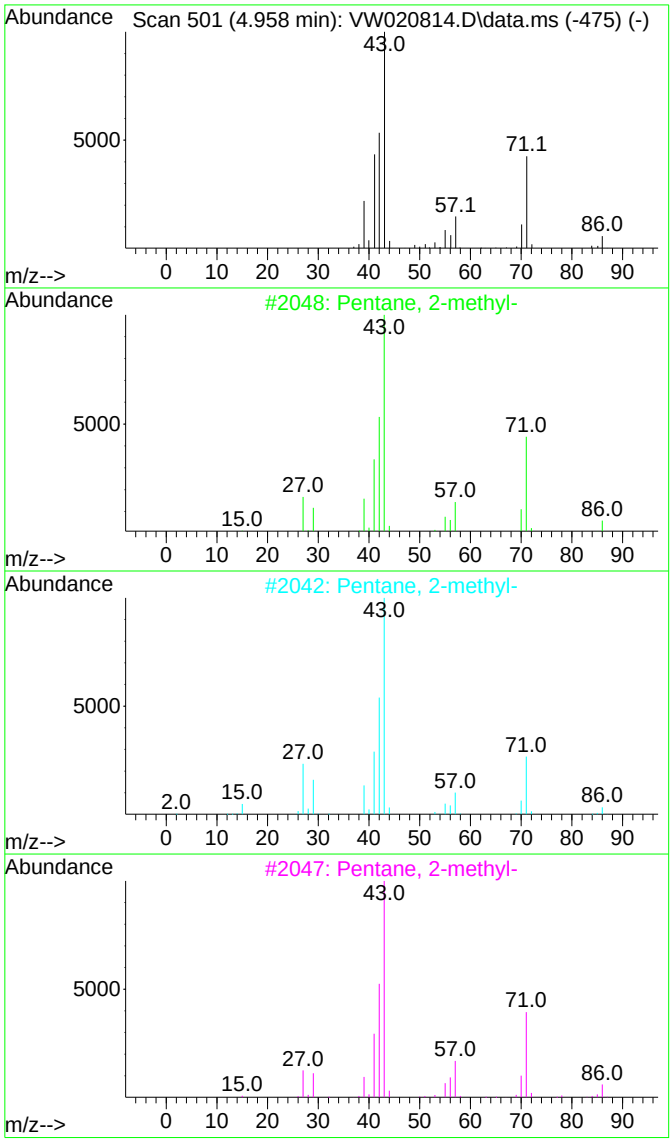
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

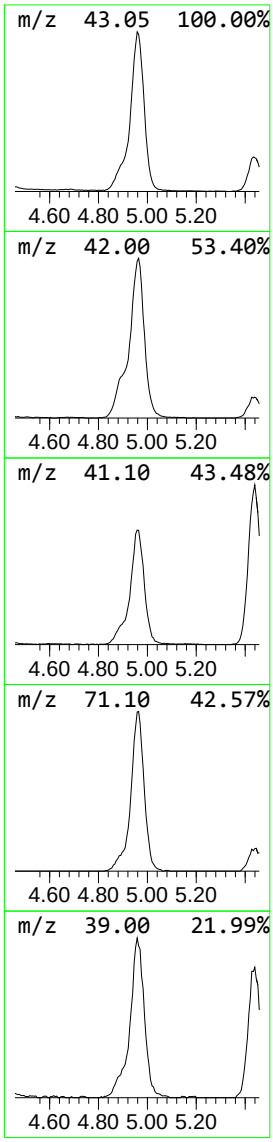
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.958	27.05 ug/L	488682	1,4-Difluorobenzene	8.841

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	90
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

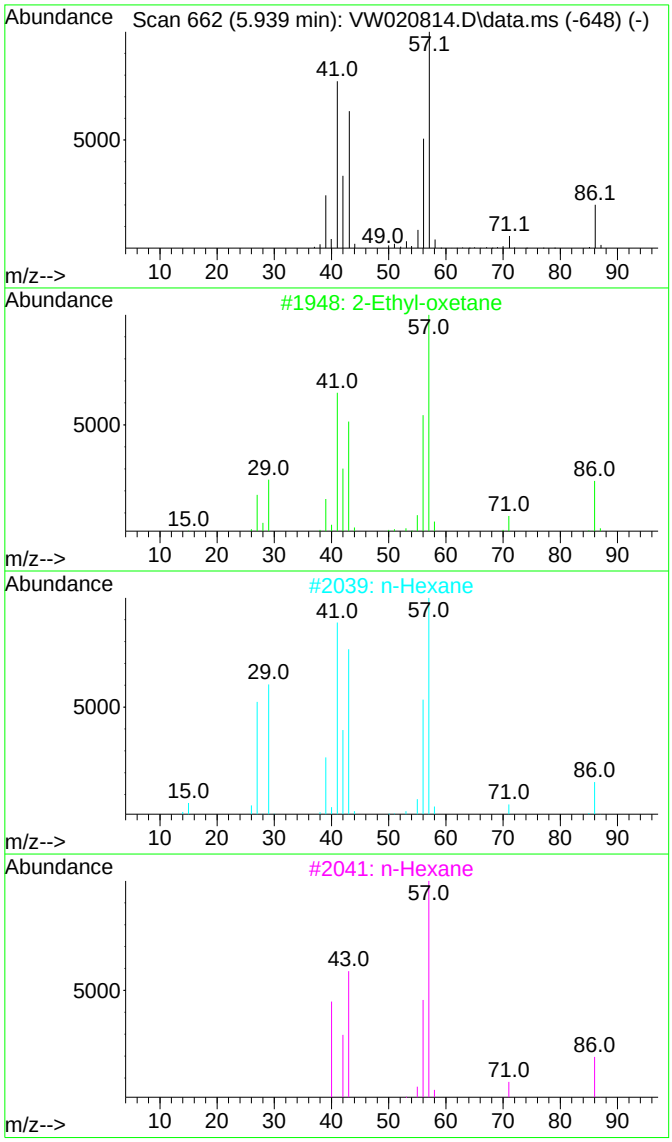
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

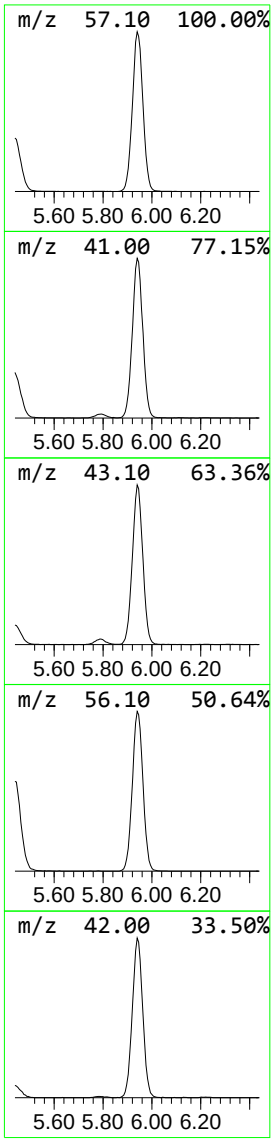
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.939	63.94 ug/L	1155030	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	78
2	n-Hexane	86	C6H14	000110-54-3	72
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	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

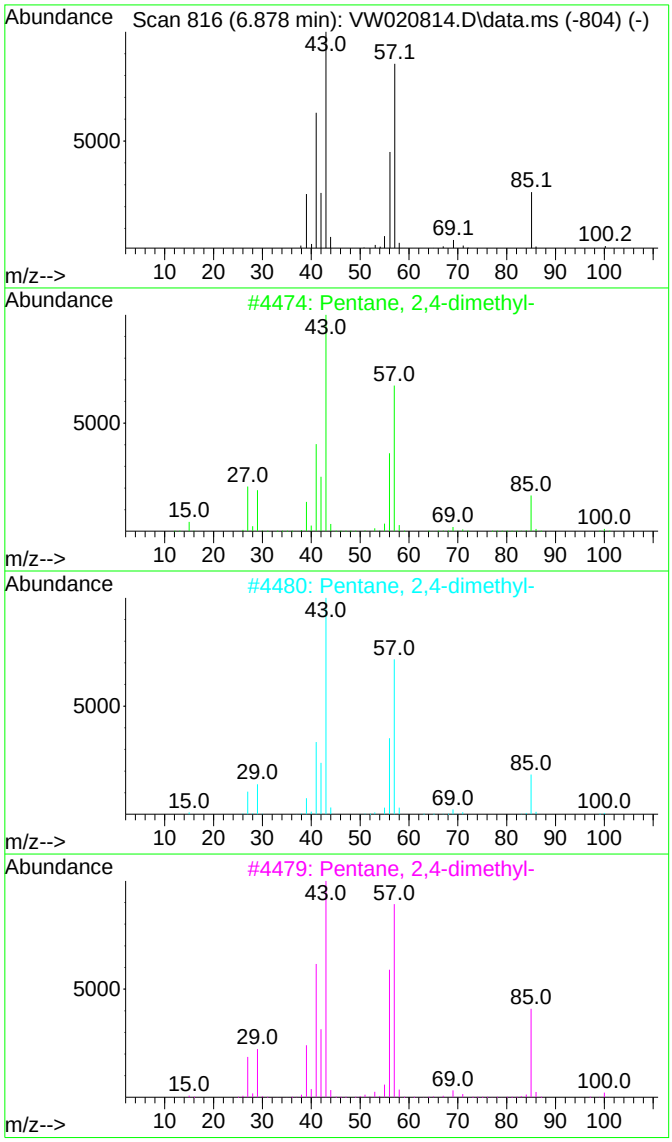
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

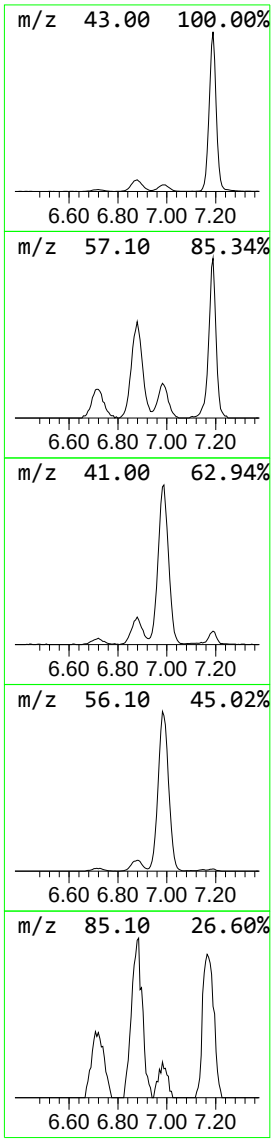
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.878	4.33 ug/L	78123	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

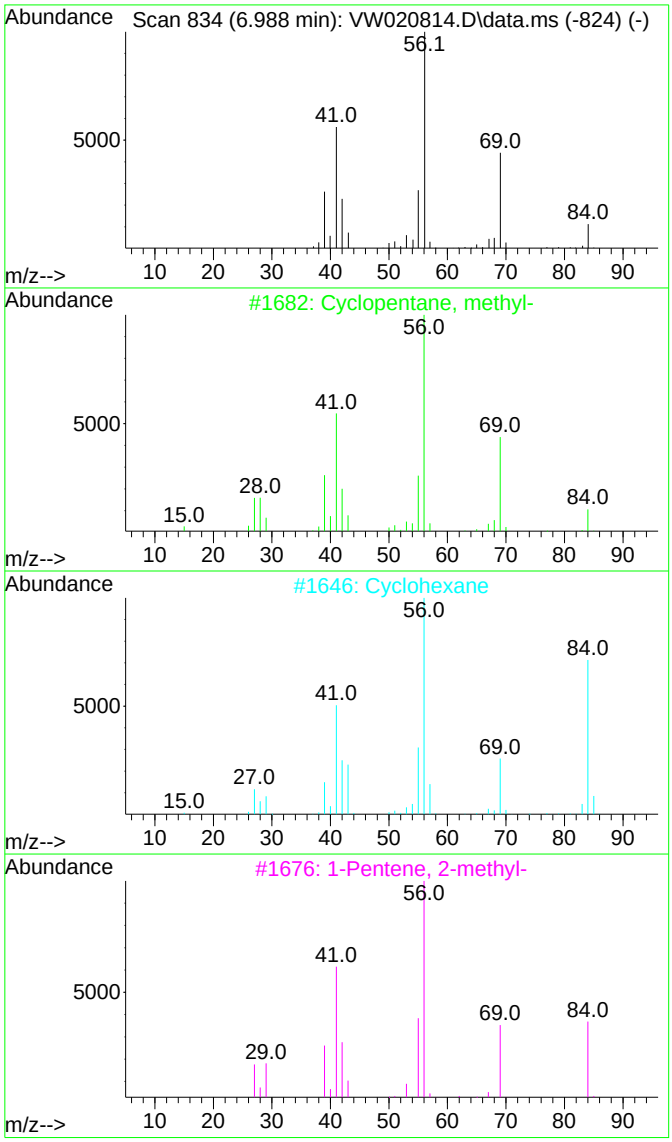
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

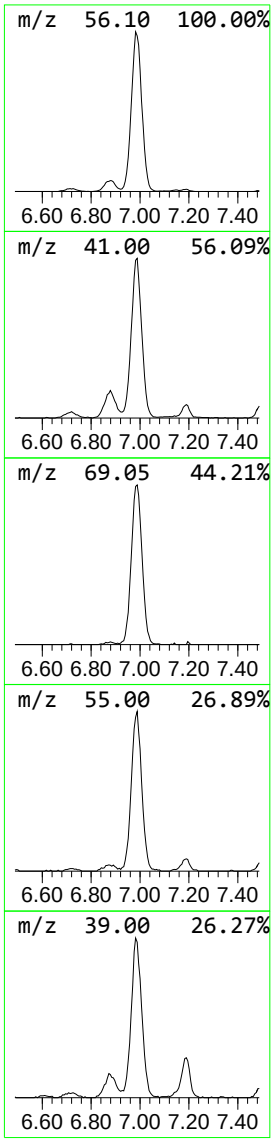
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic6.988 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	21.52 ug/L	388805	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	83
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

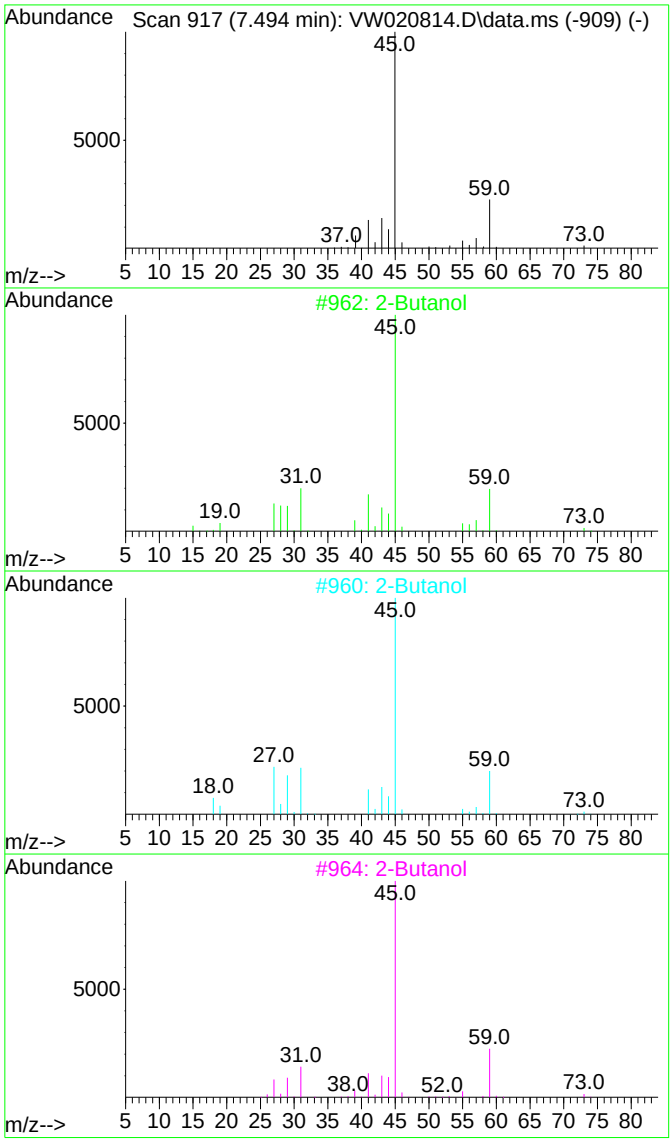
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

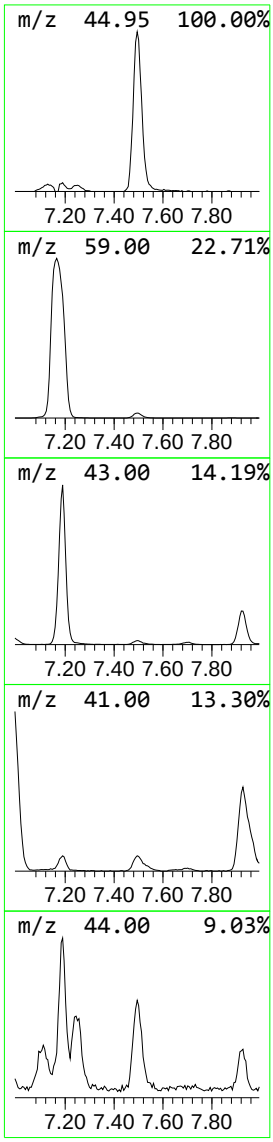
****

Peak Number 5 2-Butanol Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.494	3.99 ug/L	72012	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol	74	C4H10O	000078-92-2	83
2	2-Butanol	74	C4H10O	000078-92-2	83
3	2-Butanol	74	C4H10O	000078-92-2	78
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	74
5	2-Butanol, (R)-	74	C4H10O	014898-79-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

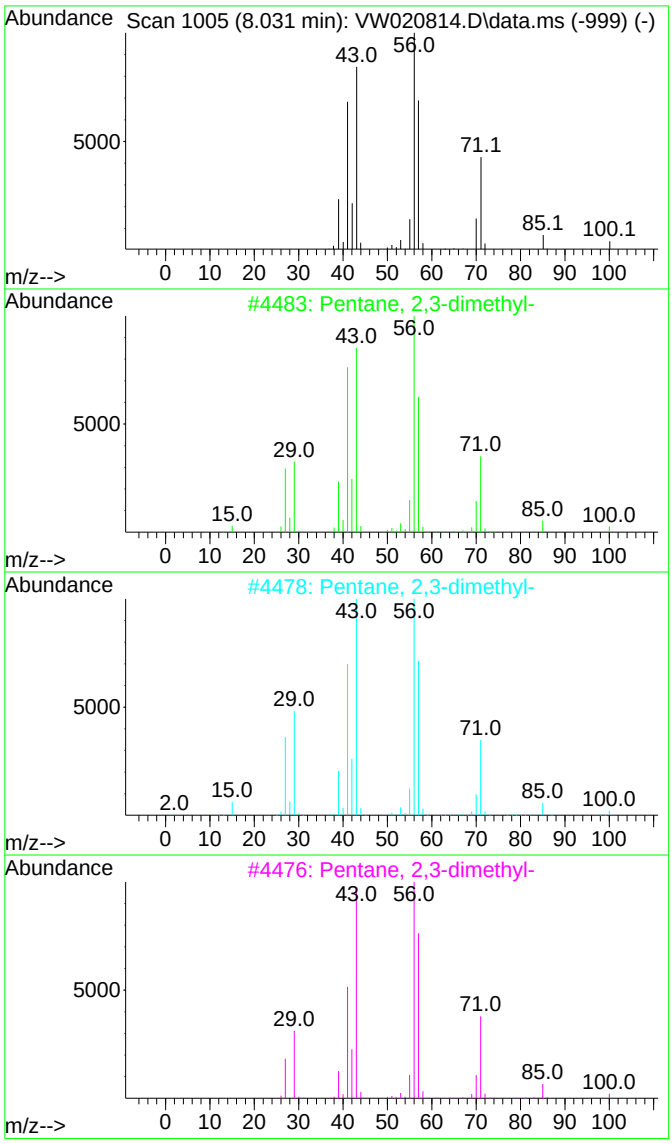
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

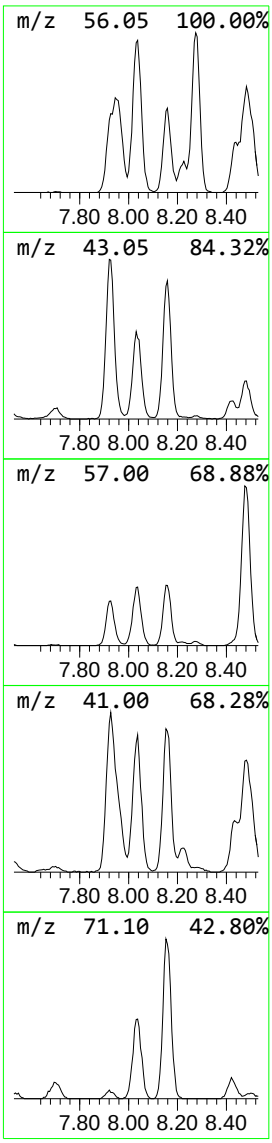
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.031	7.53 ug/L	136048	1,4-Difluorobenzene	8.841

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	83
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

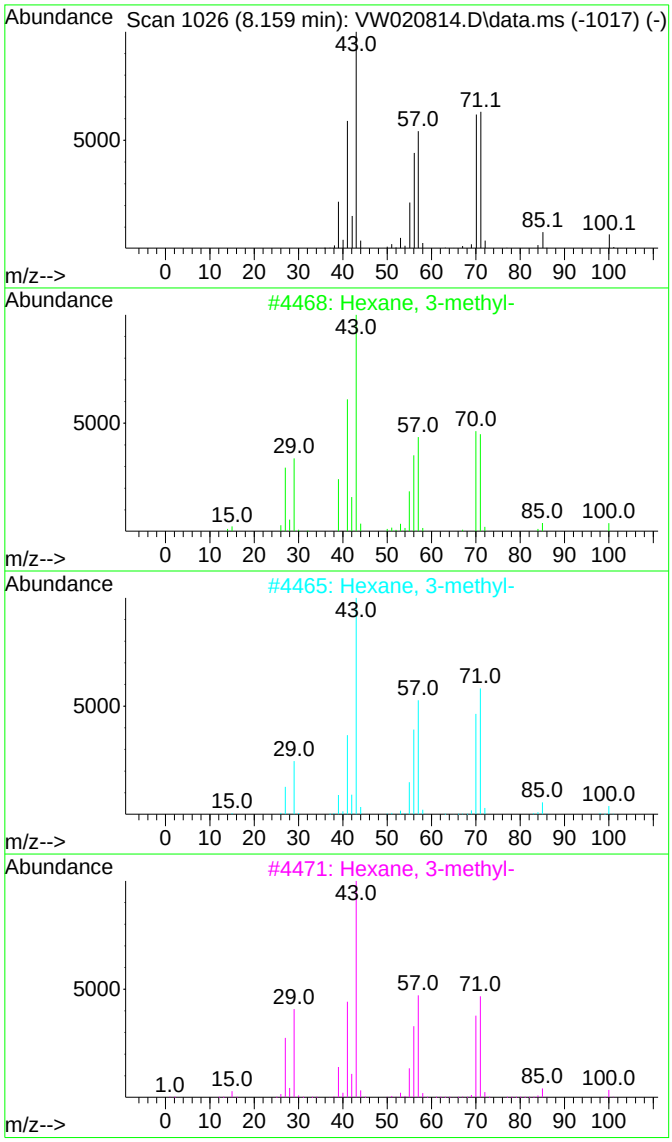
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

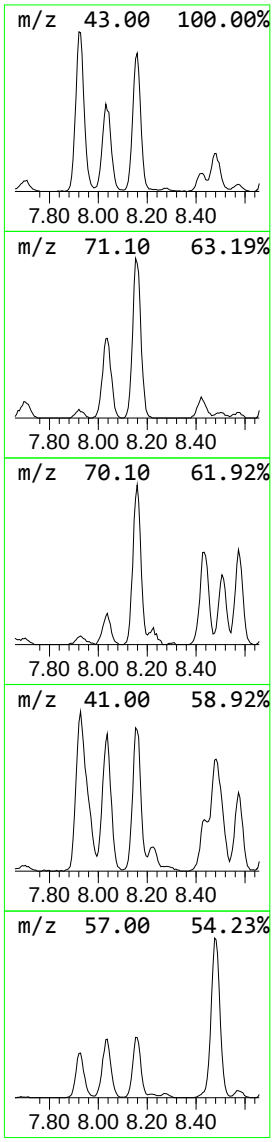
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	9.20 ug/L	166171	1,4-Difluorobenzene	8.841

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	87
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	64





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Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

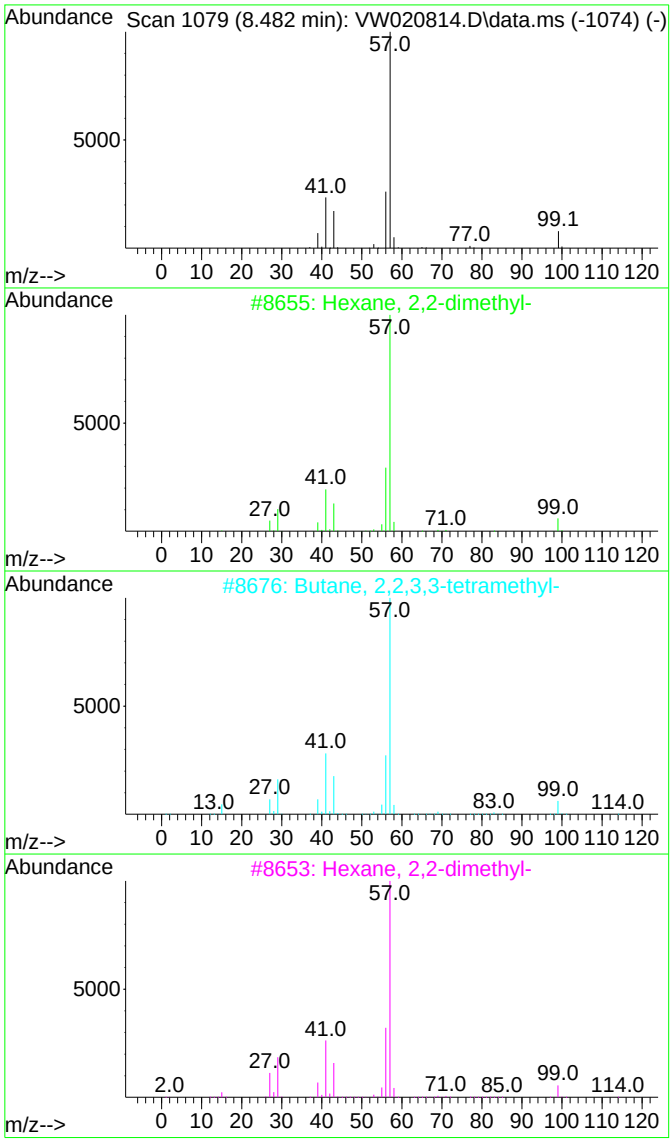
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

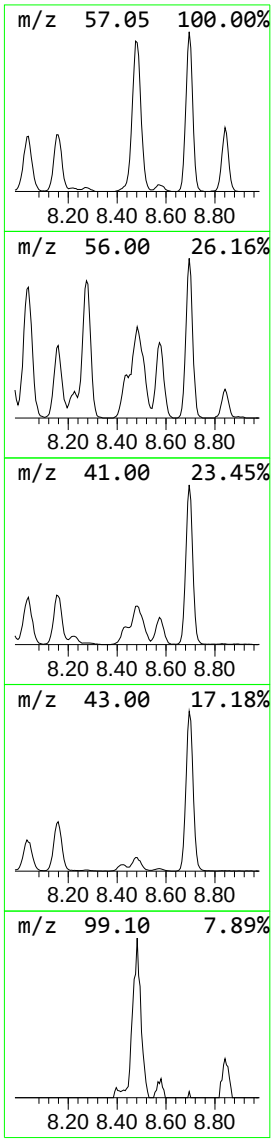
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	8.17 ug/L	147664	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

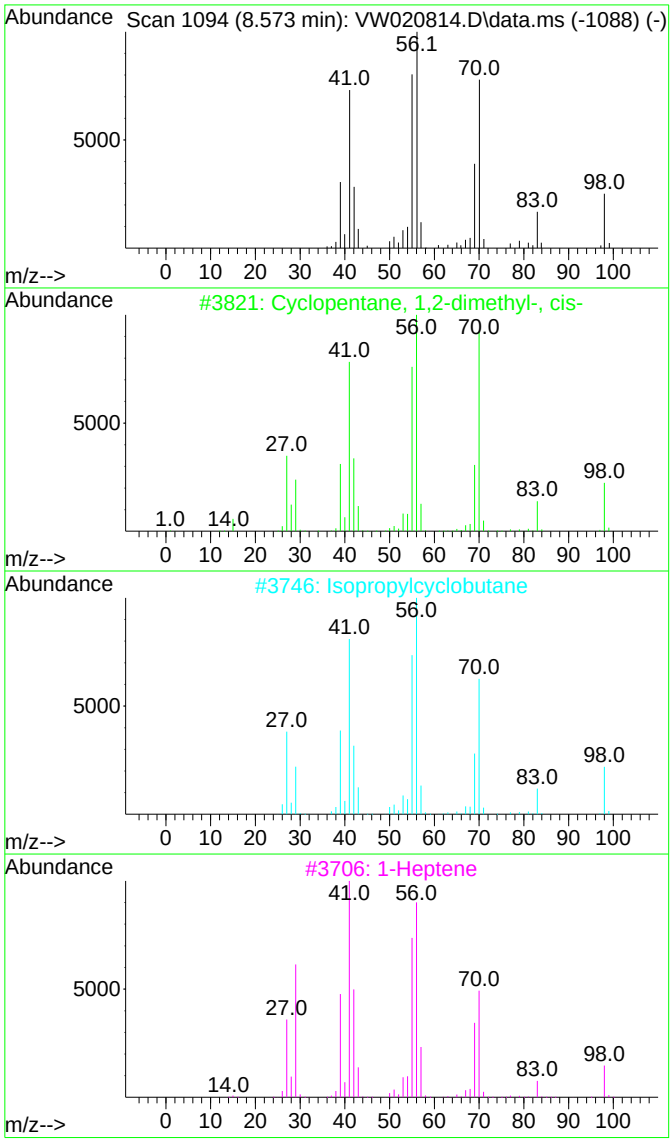
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

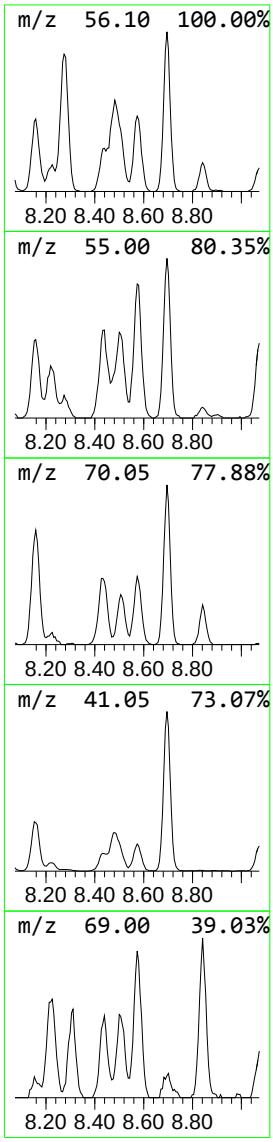
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic8.573 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	5.08 ug/L	91834	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	95
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	1-Heptene	98	C7H14	000592-76-7	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

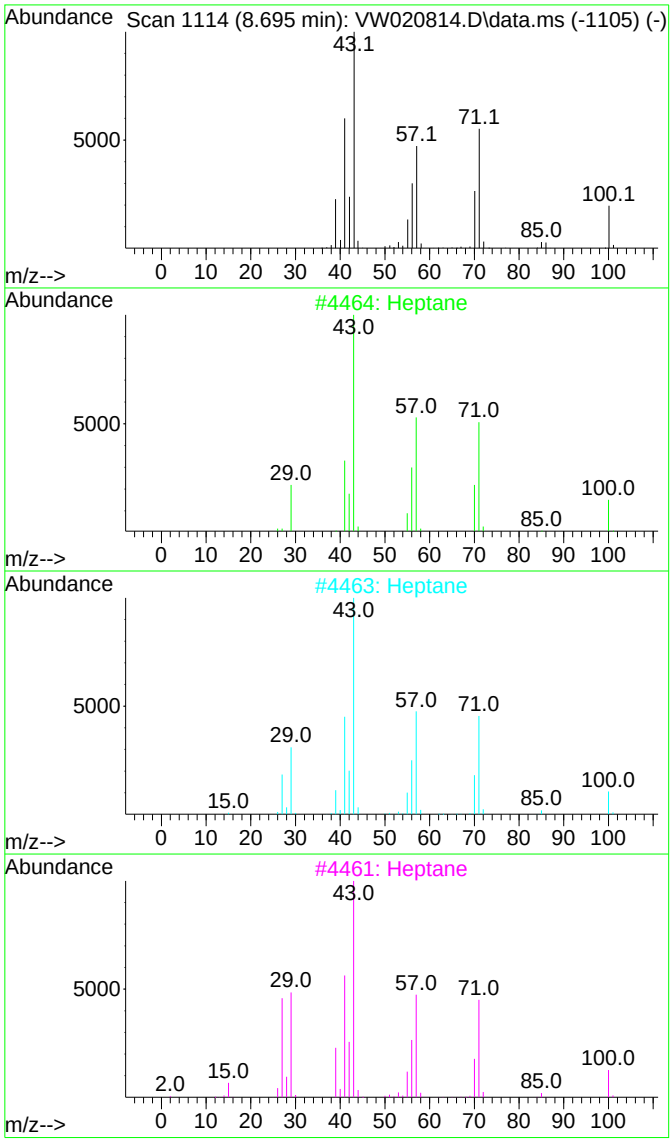
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

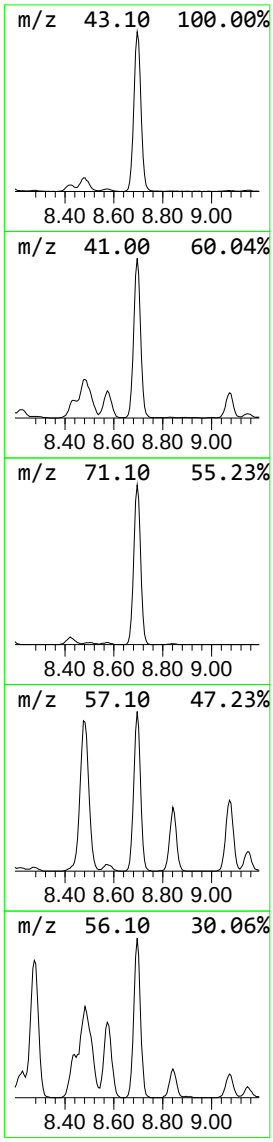
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	22.25 ug/L	401928	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	78
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	50
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

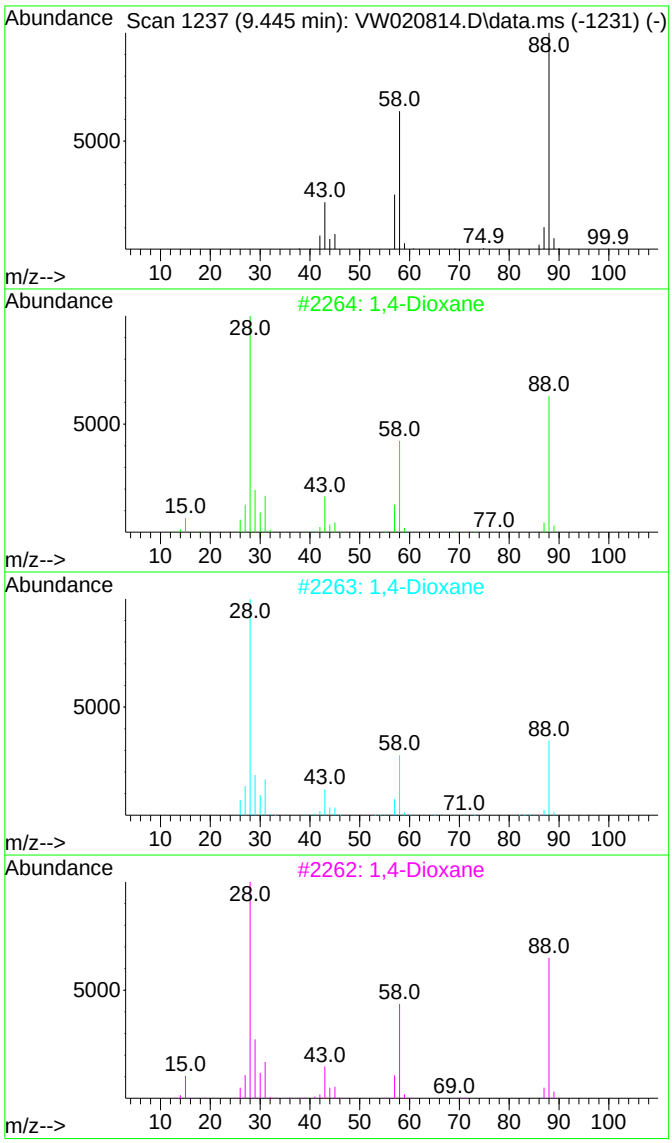
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

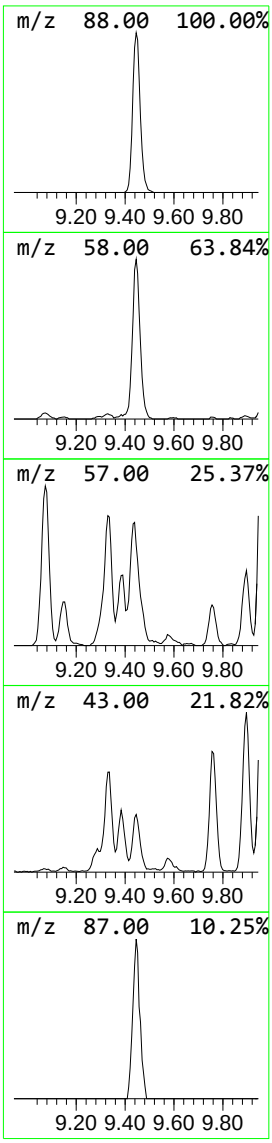
****

Peak Number 11 1,4-Dioxane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	5.28 ug/L	95437	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	83
3	1,4-Dioxane	88	C4H8O2	000123-91-1	83
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

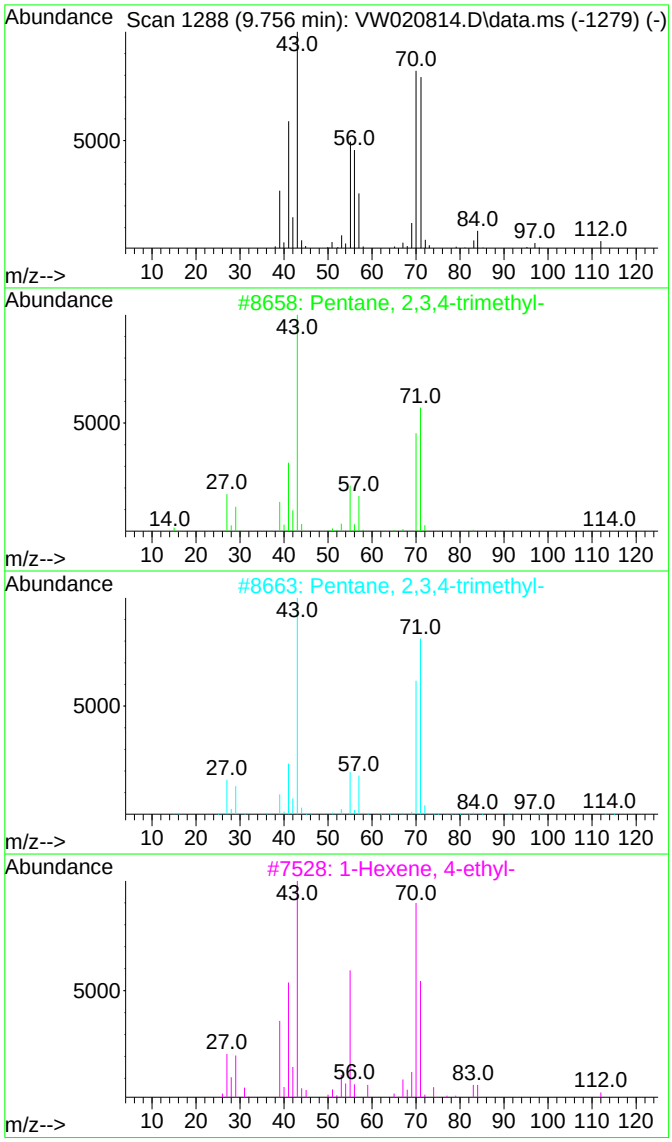
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

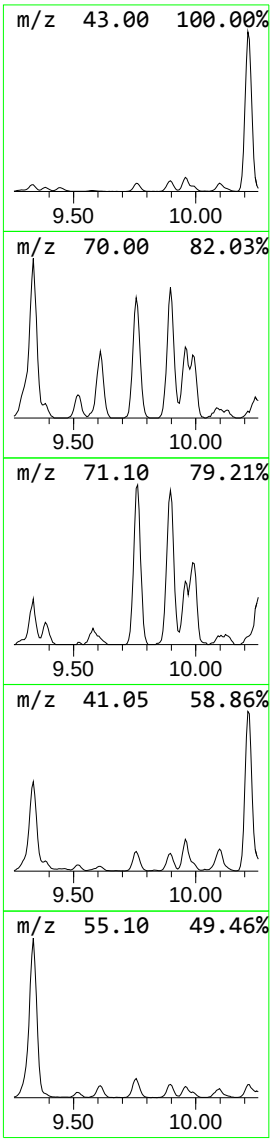
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	6.15 ug/L	111070	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
3	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	58
4	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

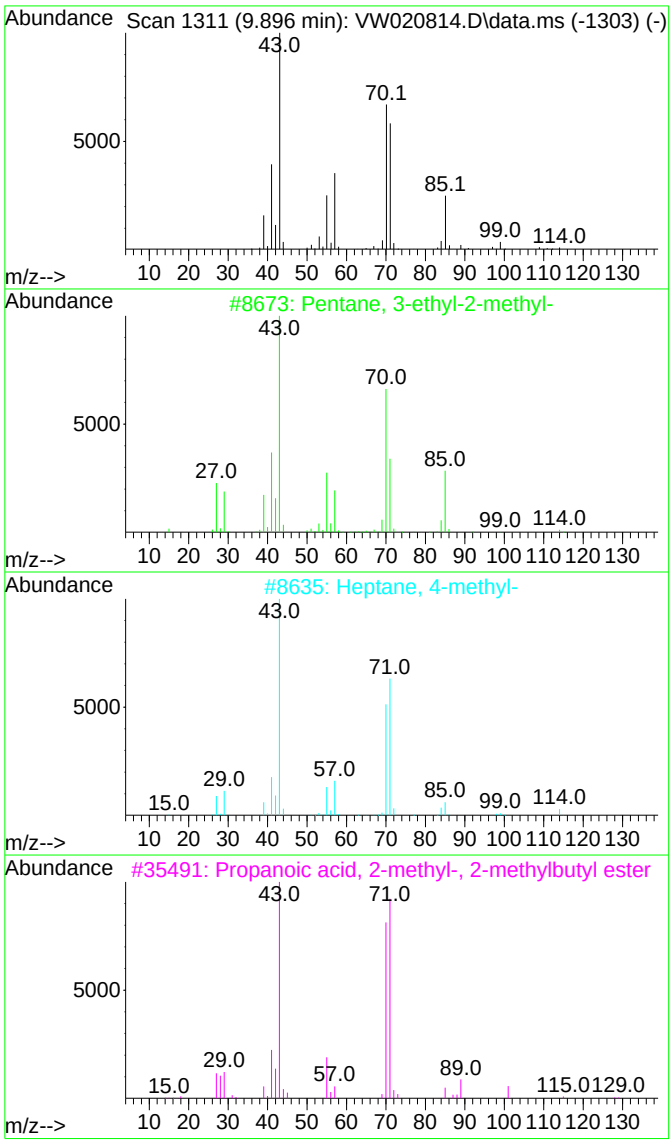
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

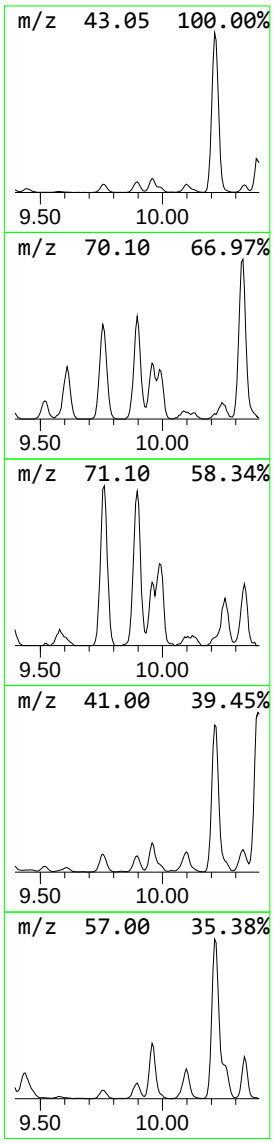
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	6.31 ug/L	113917	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

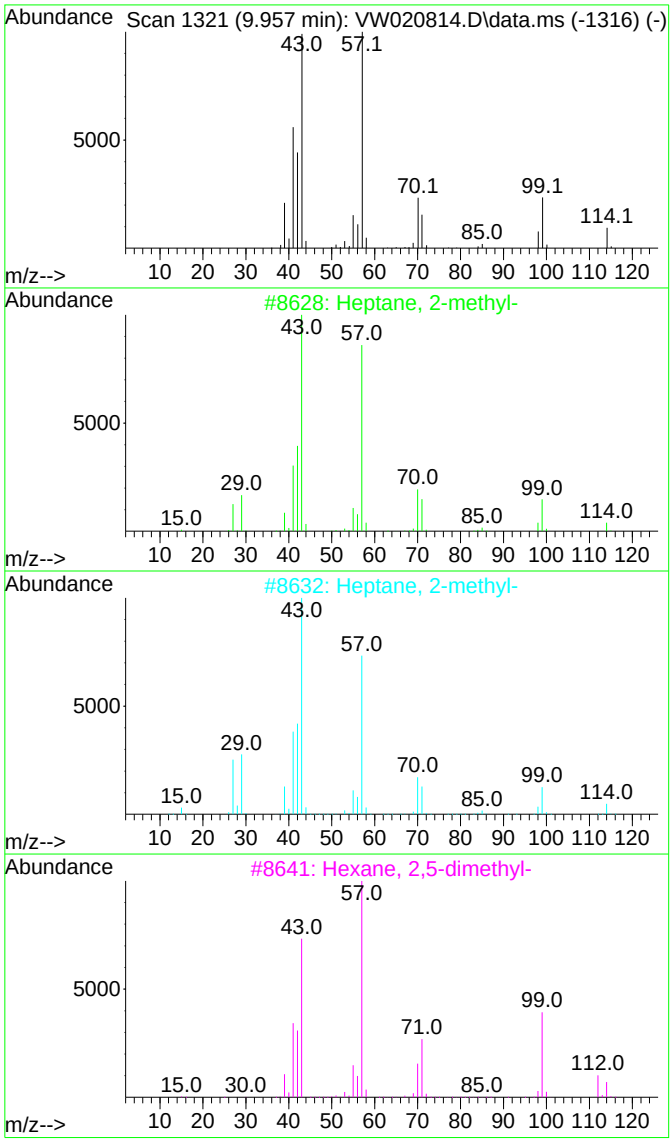
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

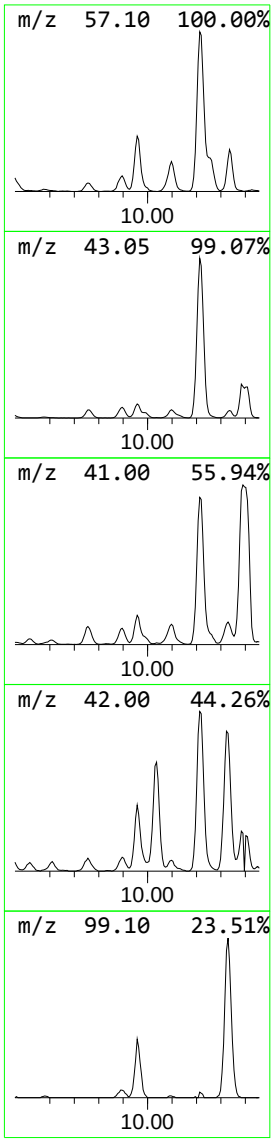
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	8.19 ug/L	147855	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

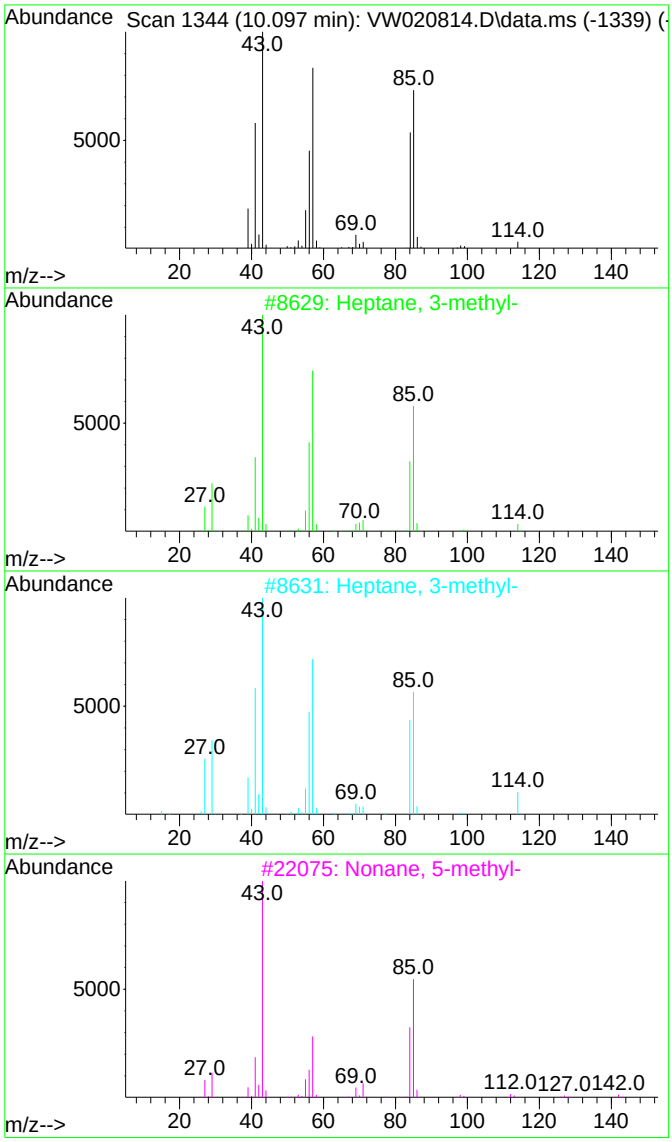
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

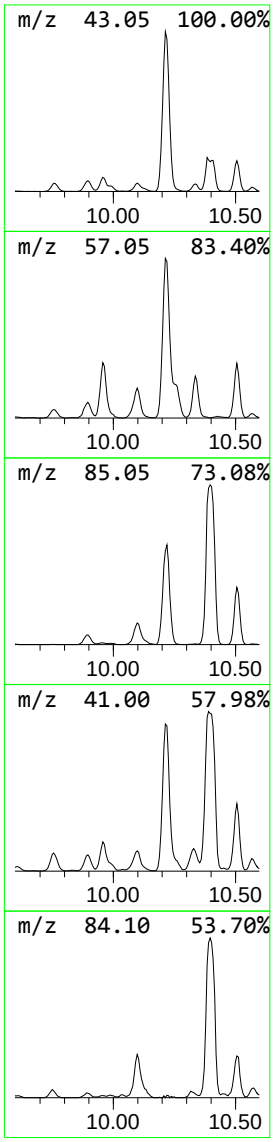
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	6.83 ug/L	123422	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	80
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	74
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

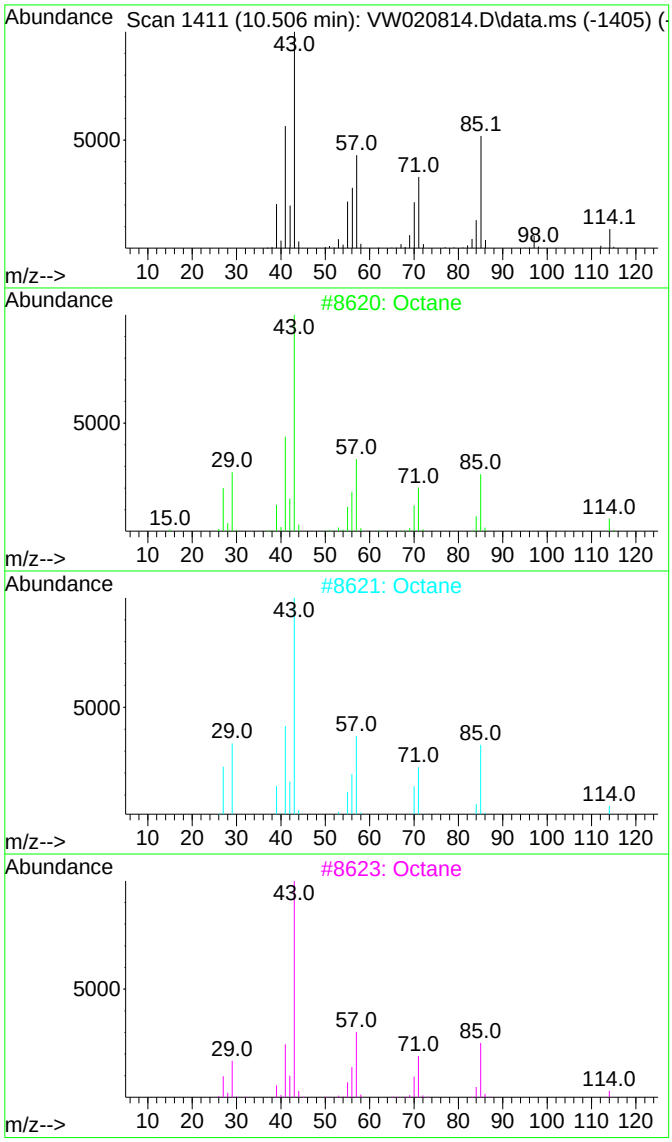
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

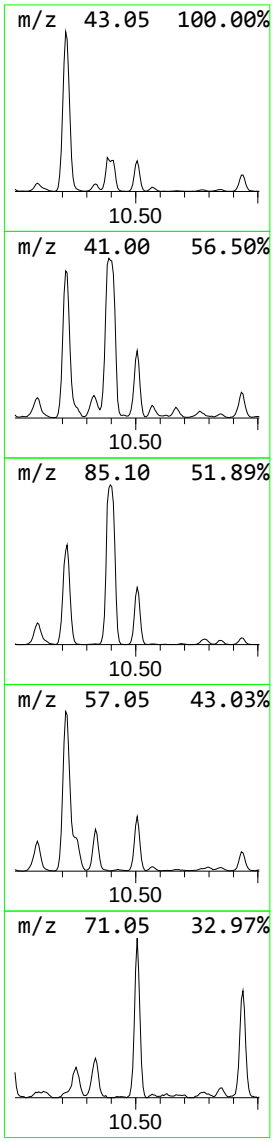
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	12.17 ug/L	297736	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Octane	114	C8H18	000111-65-9	91
3	Octane	114	C8H18	000111-65-9	87
4	Octane	114	C8H18	000111-65-9	81
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

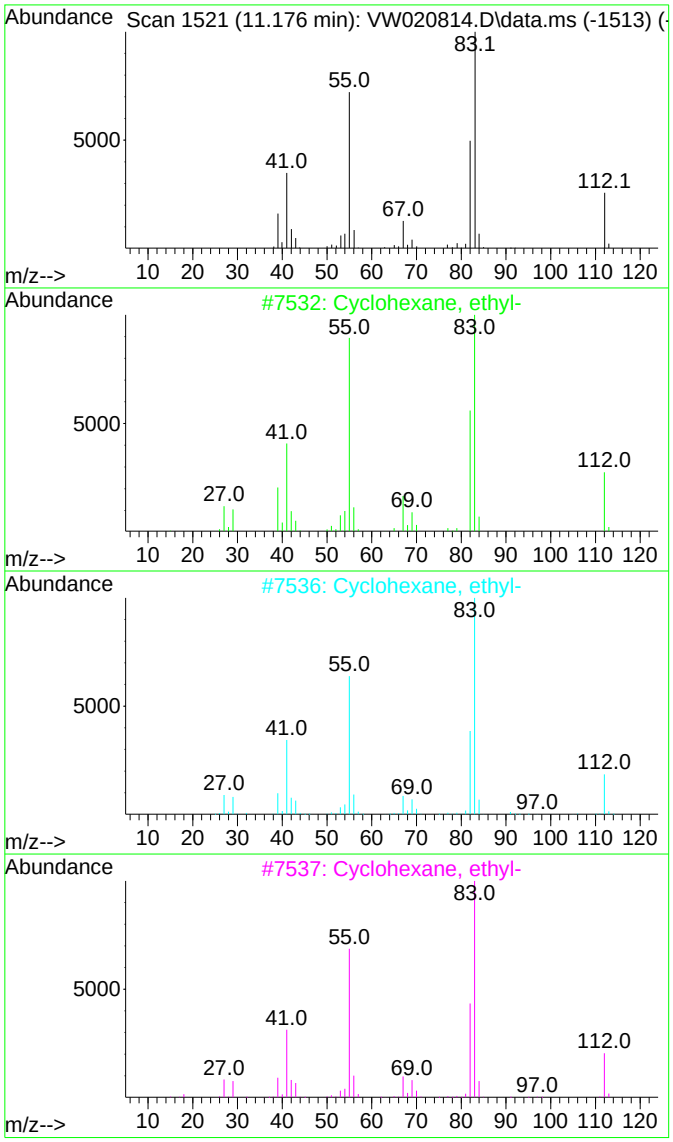
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

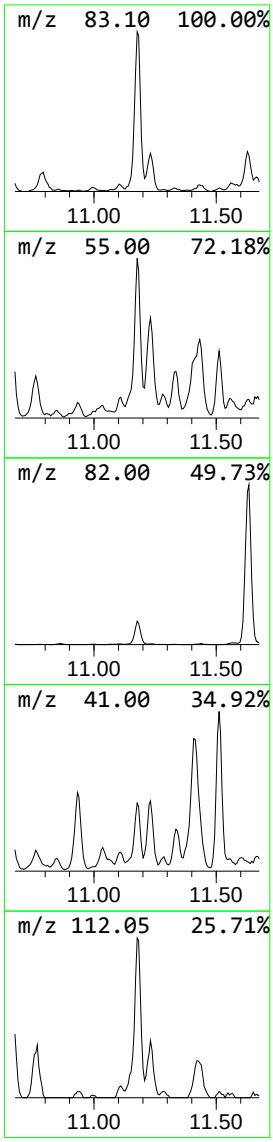
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.176 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	4.67 ug/L	114257	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

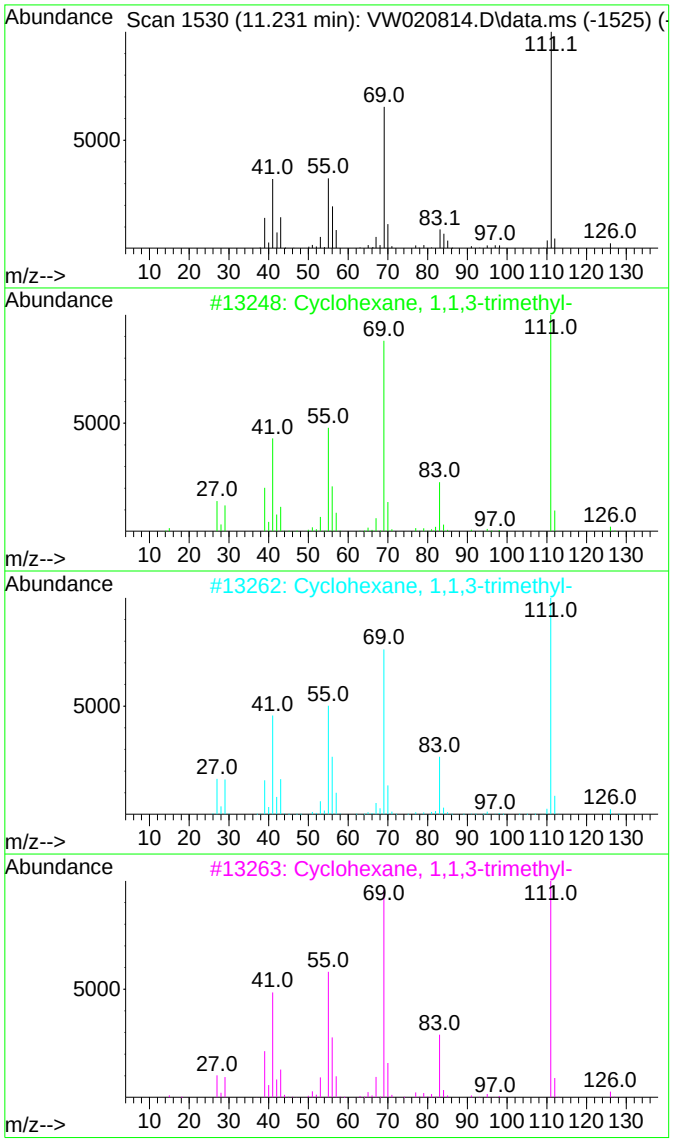
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

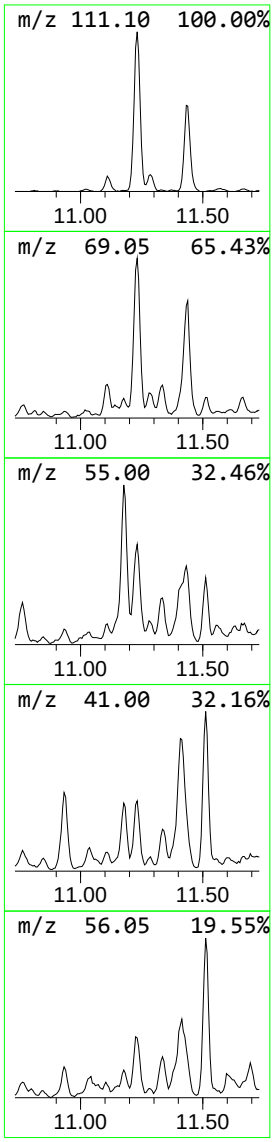
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.231 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	5.52 ug/L	134969	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	50
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

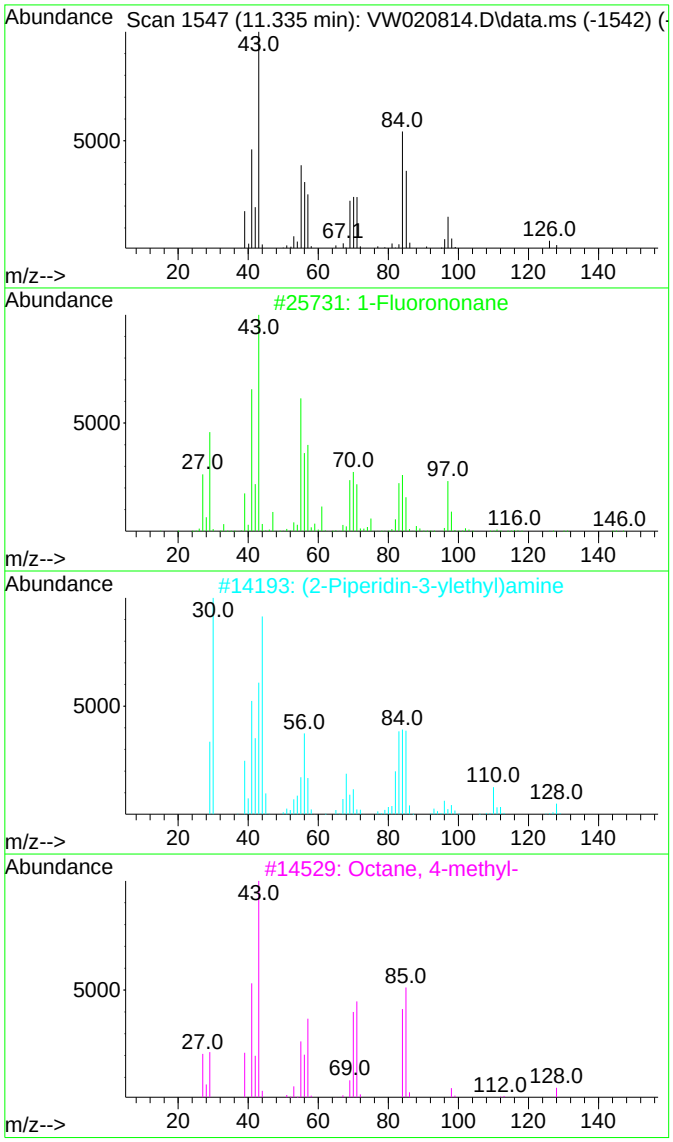
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

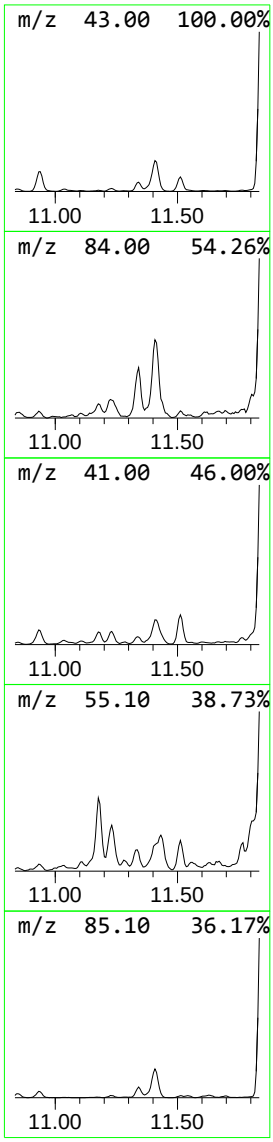
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1-Fluorononane Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	2.89 ug/L	70702	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Fluorononane	146	C9H19F	000463-18-3	59
2	(2-Piperidin-3-ylethyl)amine	128	C7H16N2	089850-94-2	50
3	Octane, 4-methyl-	128	C9H20	002216-34-4	49
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	49
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

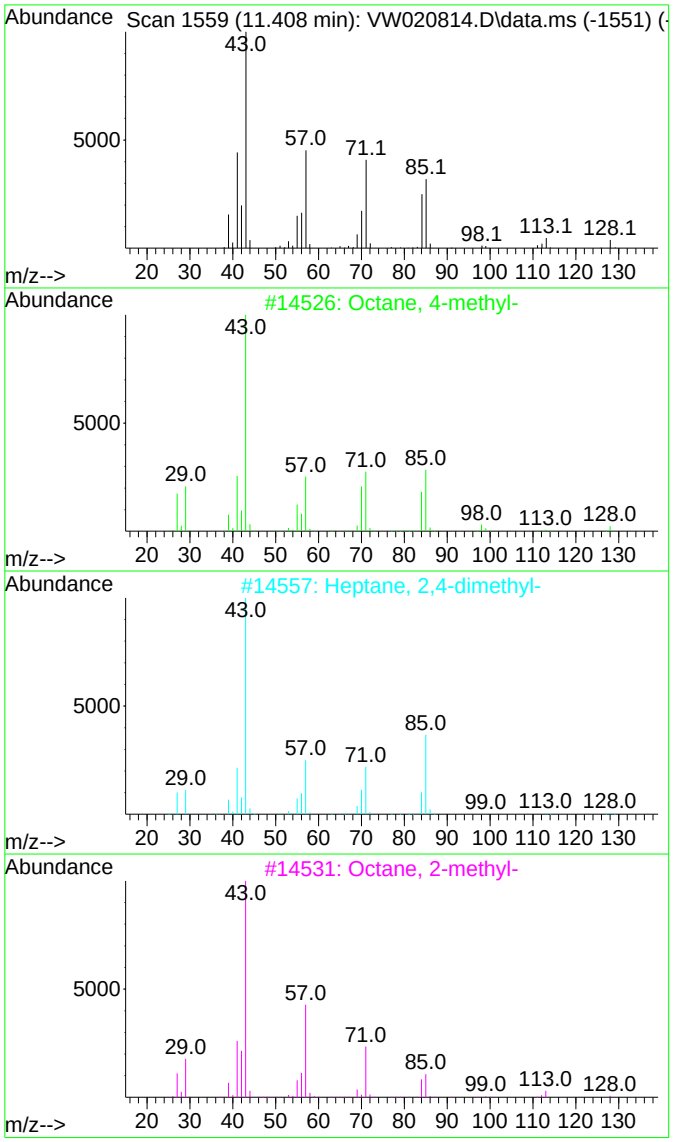
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

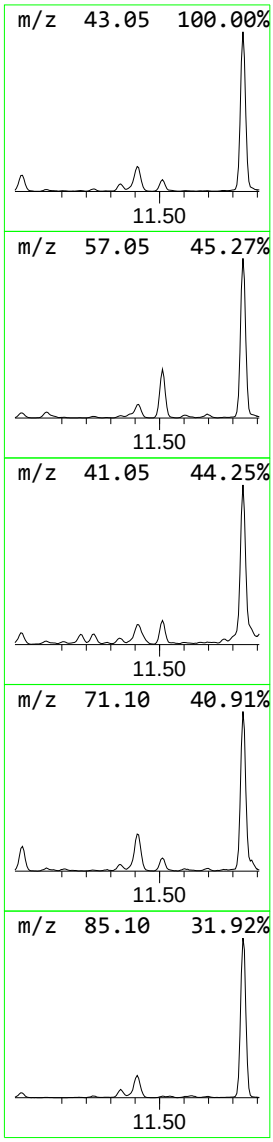
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	14.63 ug/L	357808	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Octane, 2-methyl-	128	C9H20	003221-61-2	64
4	Octane, 2-methyl-	128	C9H20	003221-61-2	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

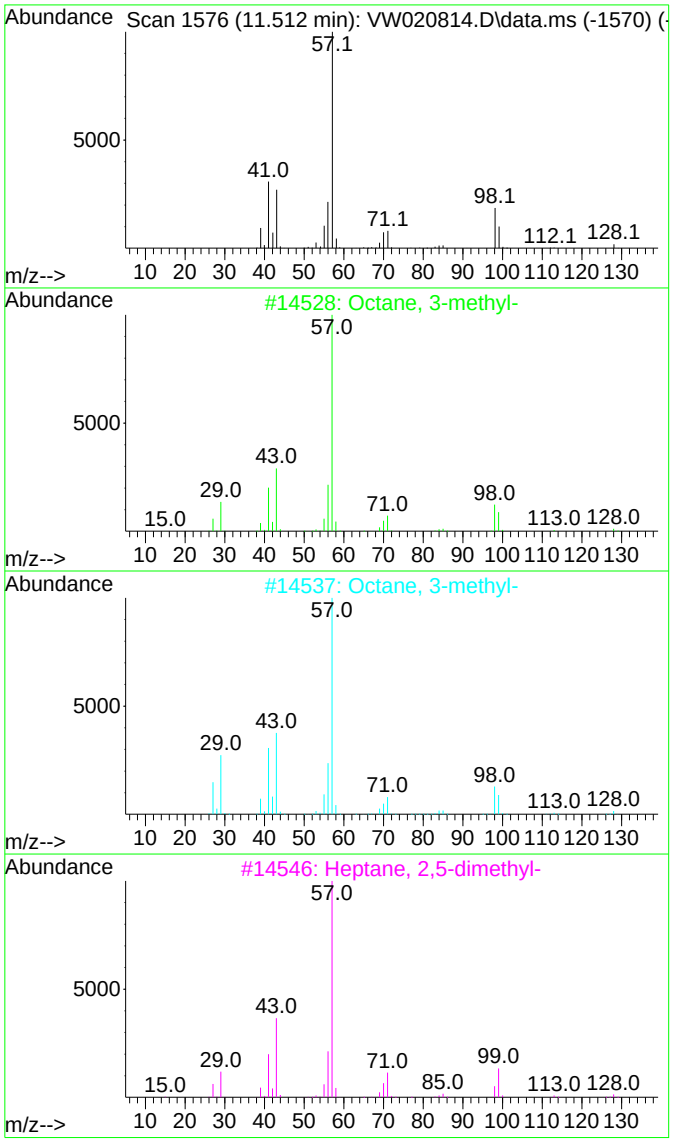
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

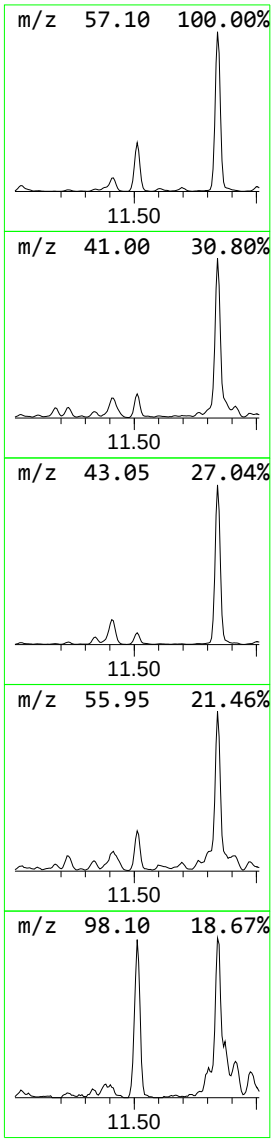
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	9.60 ug/L	234767	Chlorobenzene-d5	11.634

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	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

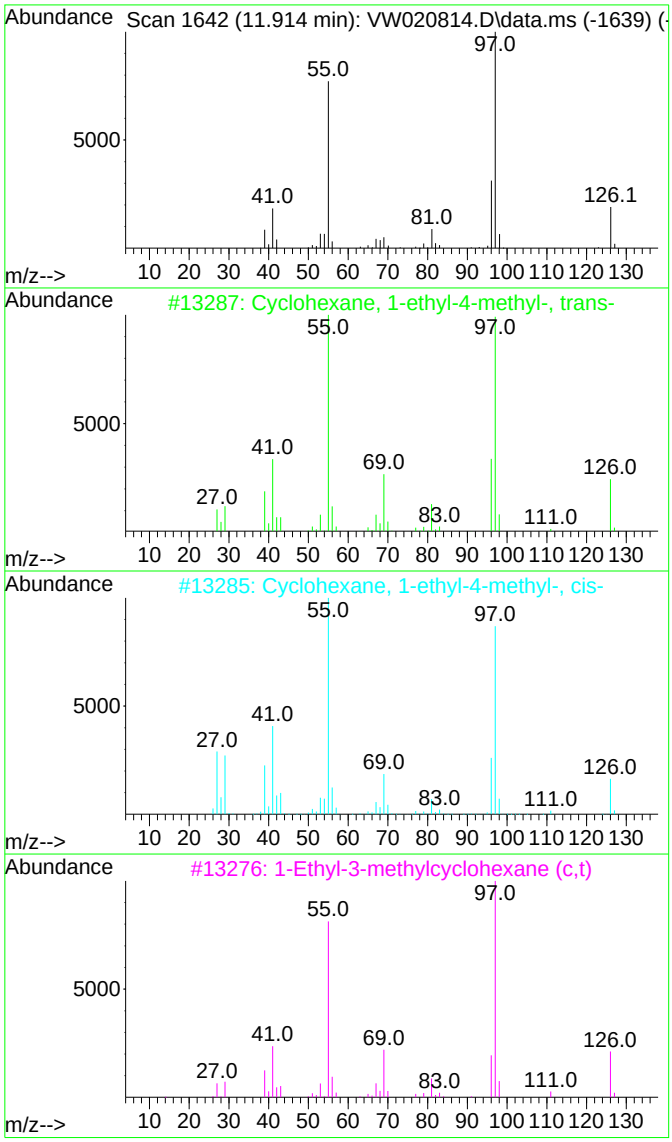
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

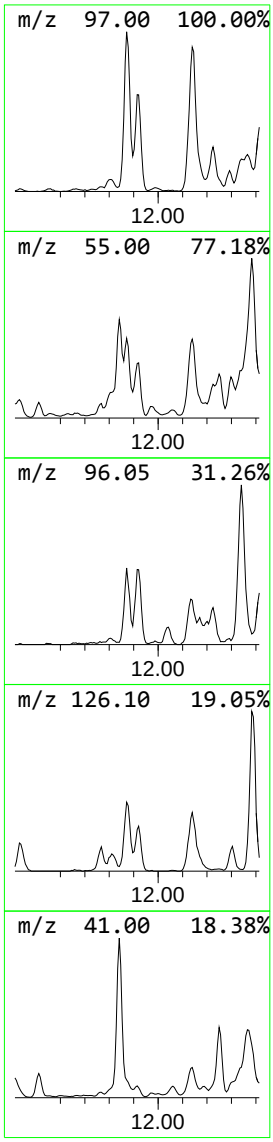
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.914 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	6.84 ug/L	167375	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

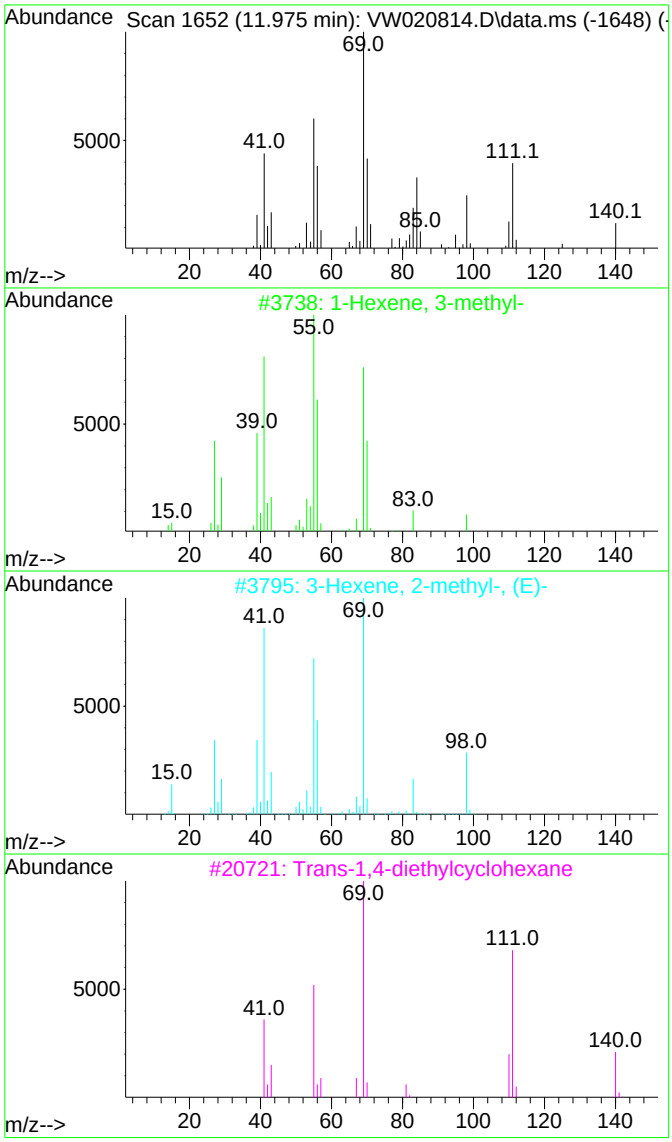
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

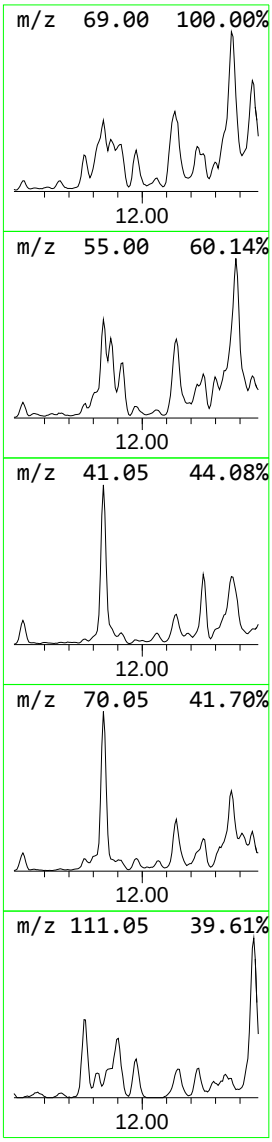
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	3.53 ug/L	86298	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	62
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	55
3	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	55
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	53
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

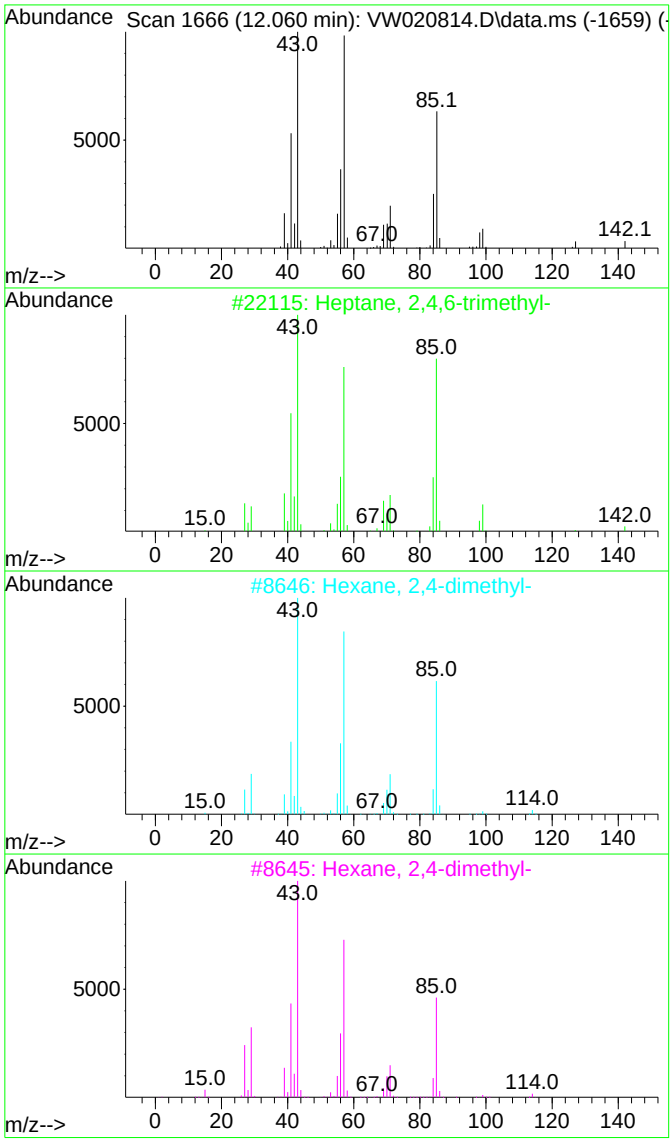
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

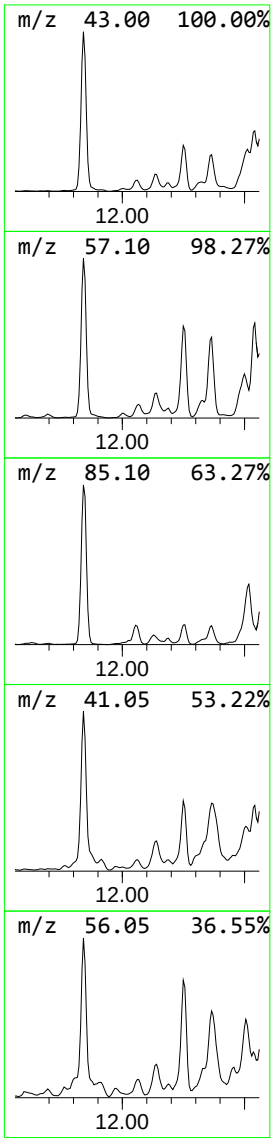
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	5.22 ug/L	127589	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	81
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	59
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

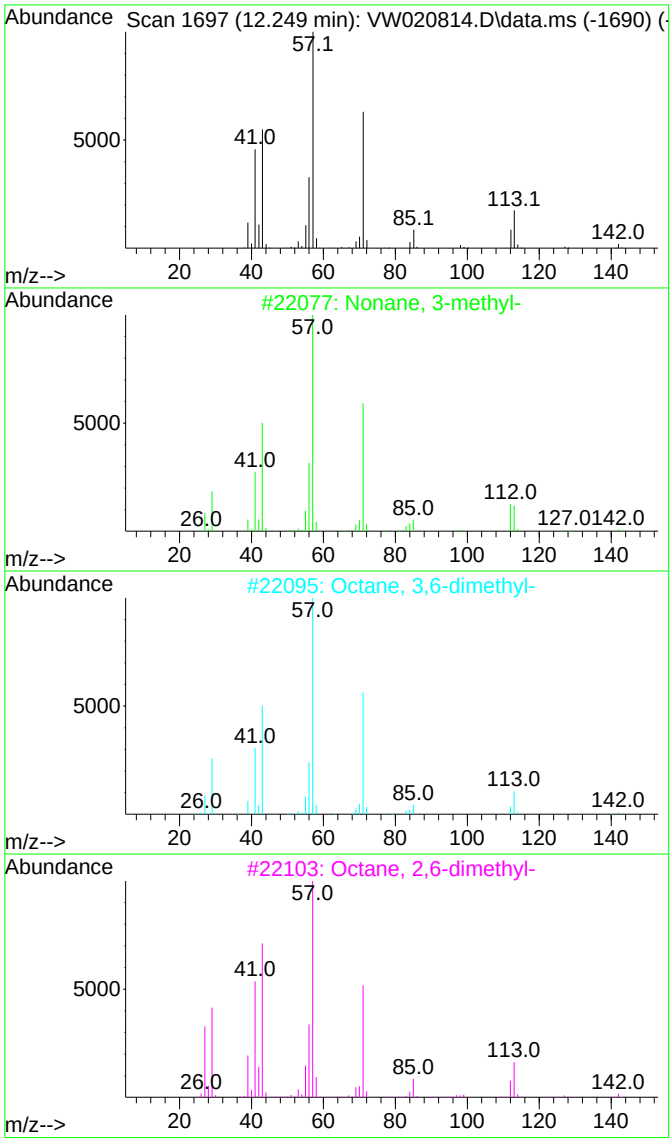
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

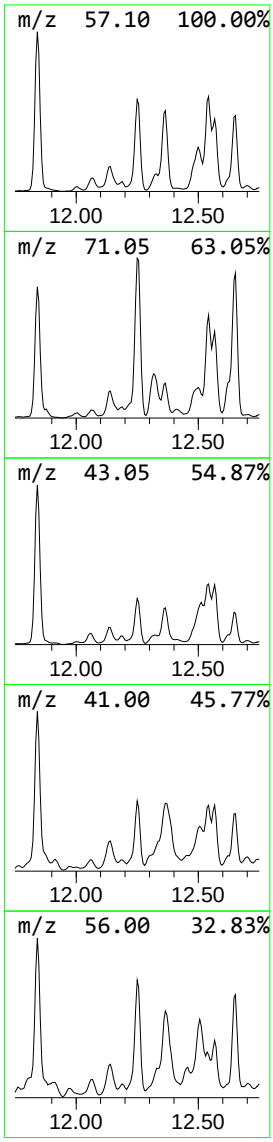
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	27.76 ug/L	678874	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

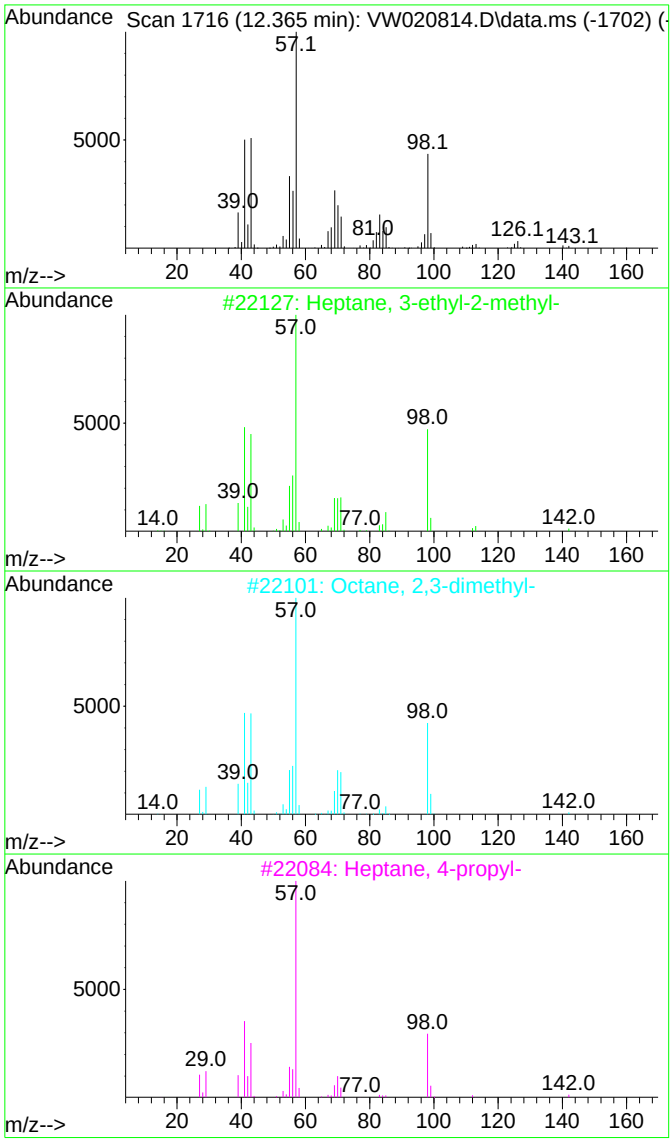
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

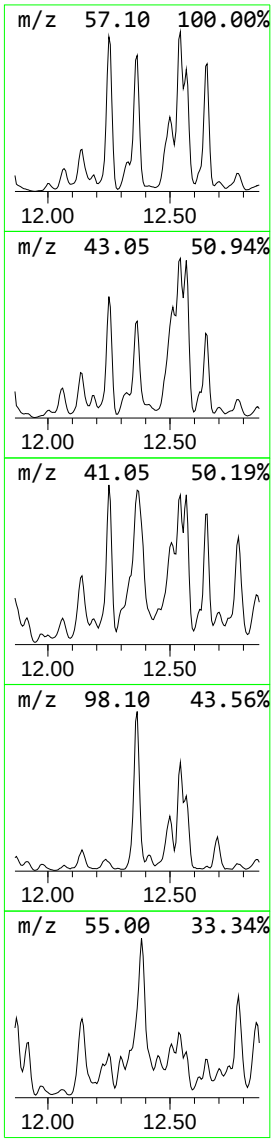
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	74.34 ug/L	1818240	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	81
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	52
4	Acetic acid, trichloro-, nonyl e...	288	C11H19Cl3O2	065611-32-7	52
5	Dichloroacetic acid, decyl ester	268	C12H22Cl2O2	083005-00-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

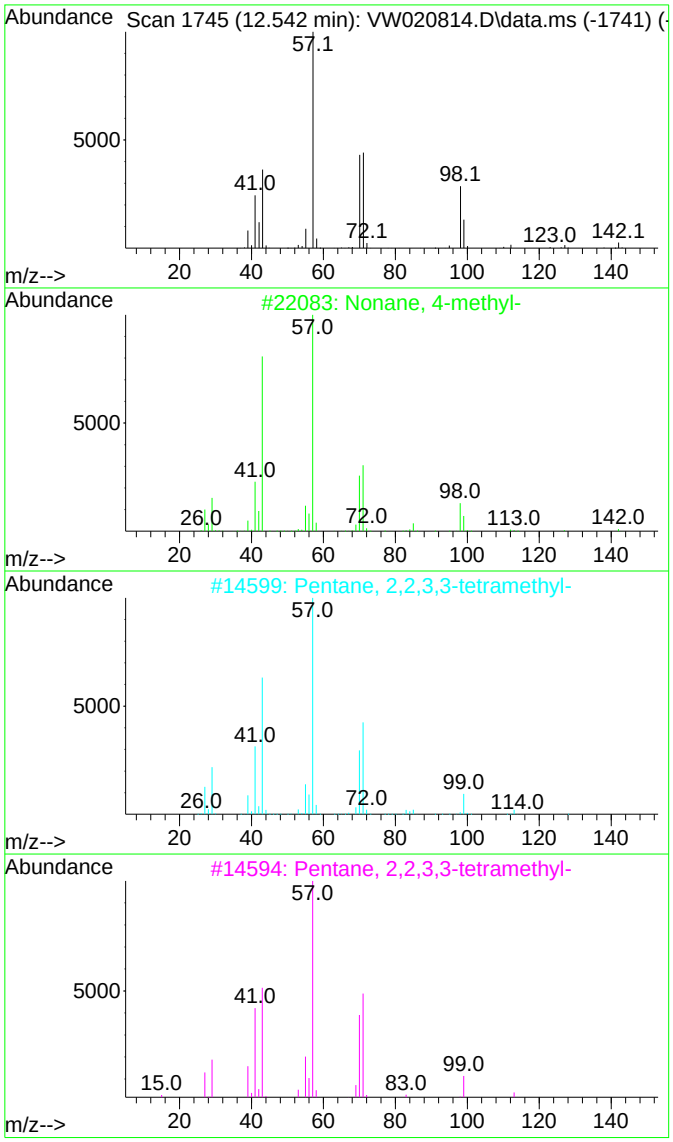
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

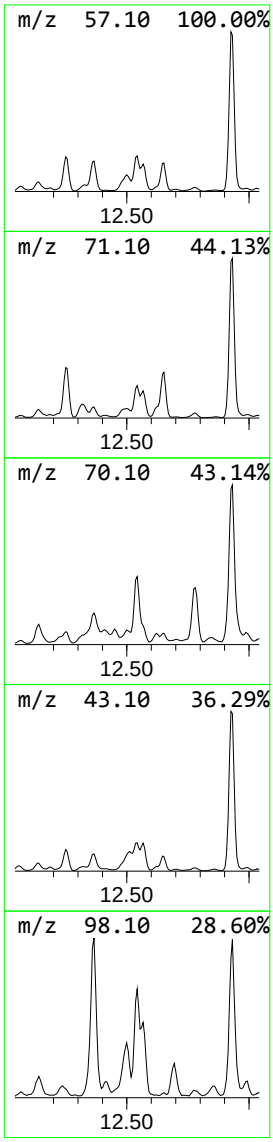
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.542	26.99 ug/L	660176	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

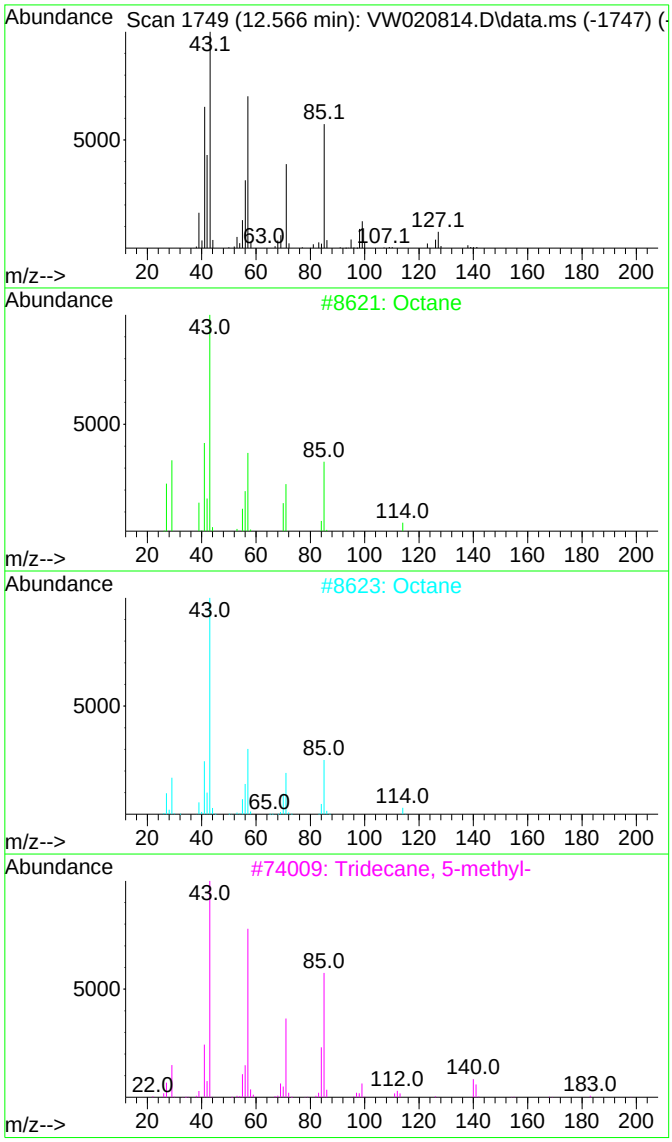
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

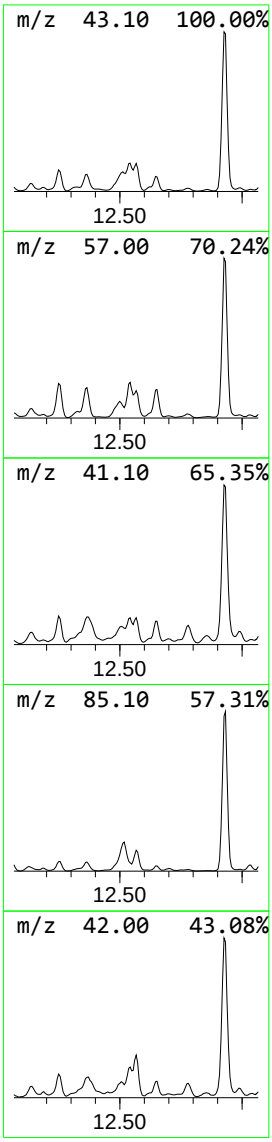
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	18.10 ug/L	442769	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	50
2	Octane	114	C8H18	000111-65-9	50
3	Tridecane, 5-methyl-	198	C14H30	025117-31-1	47
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

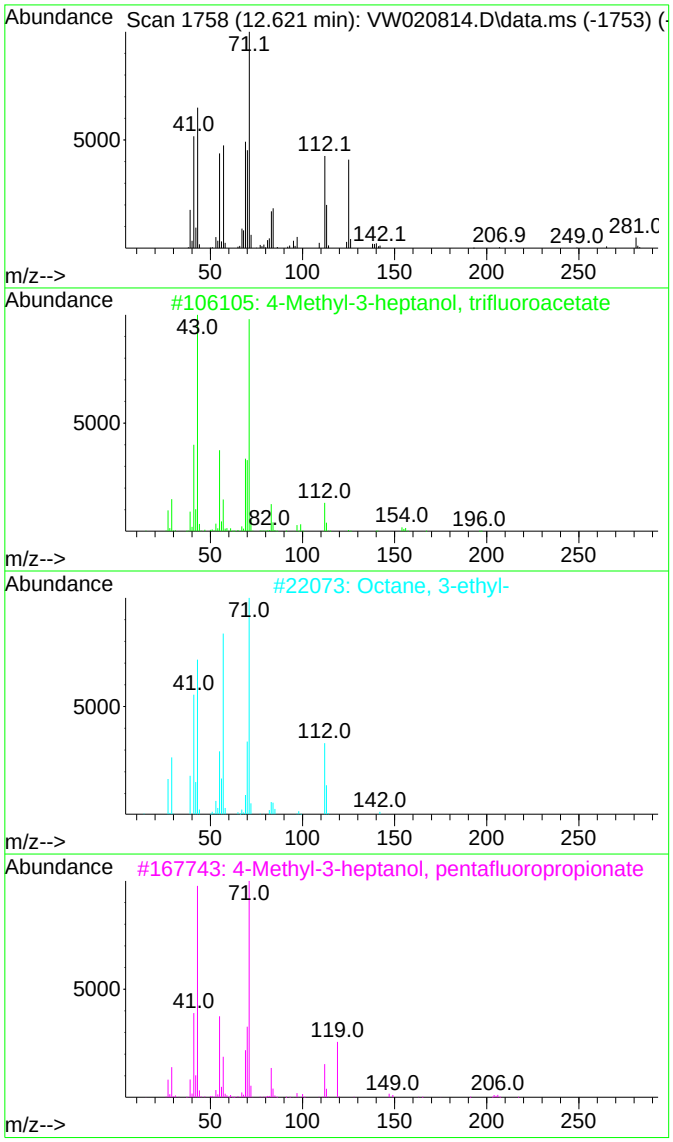
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

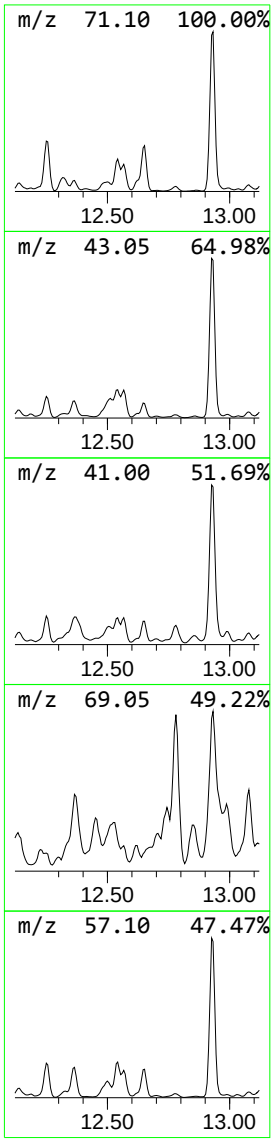
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 4-Methyl-3-heptanol, triflu... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	2.69 ug/L	96478	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	53
2	Octane, 3-ethyl-	142	C10H22	005881-17-4	47
3	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	43
4	4-Methyl-3-heptanol, heptafluoro...	326	C12H17F7O2	1000365-51-5	43
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

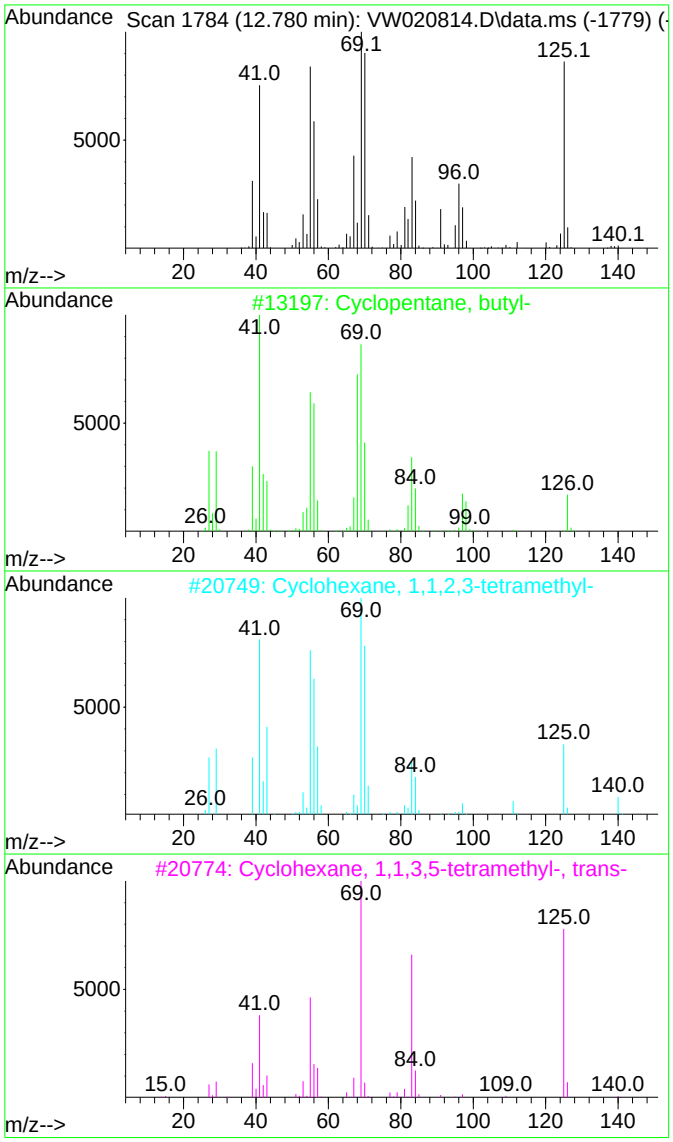
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

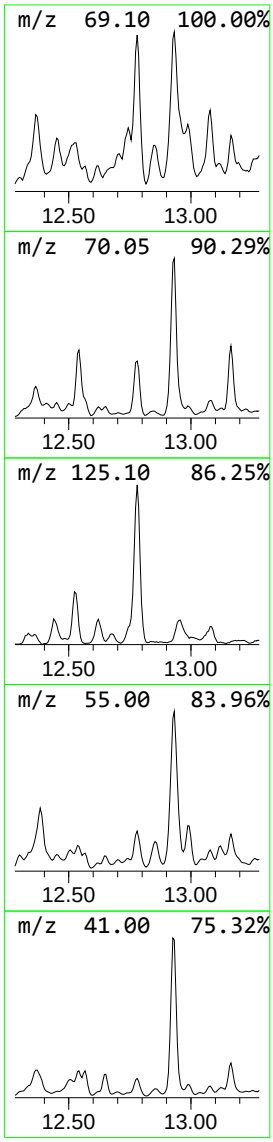
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic12.780 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	21.55 ug/L	774042	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	53
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	50
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	49
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46





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Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

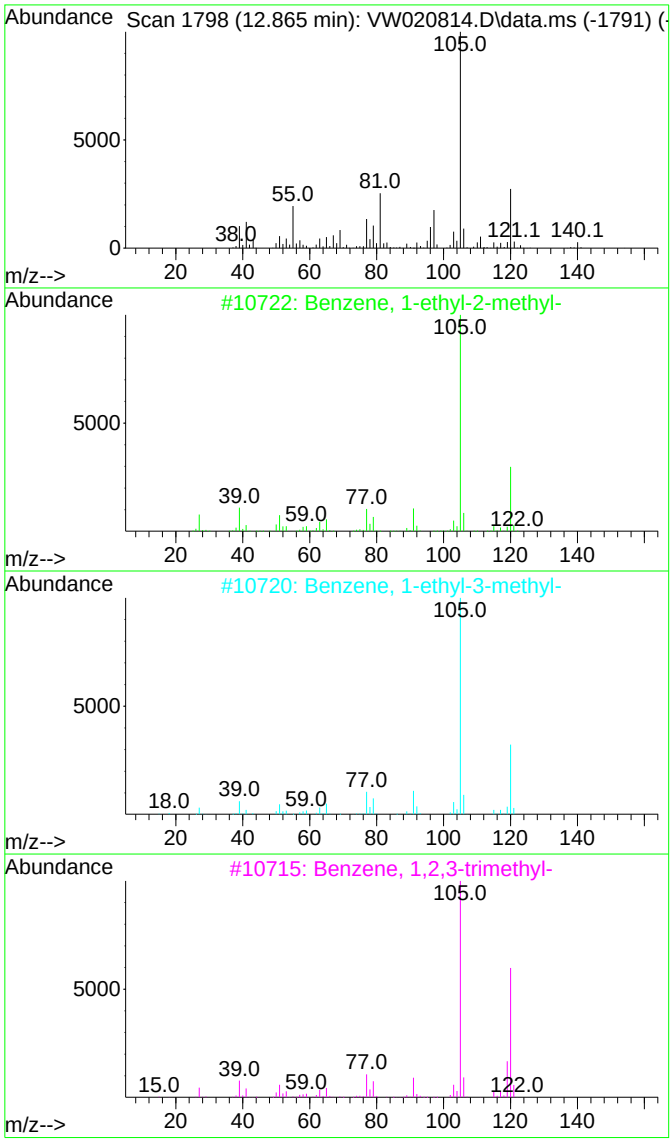
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

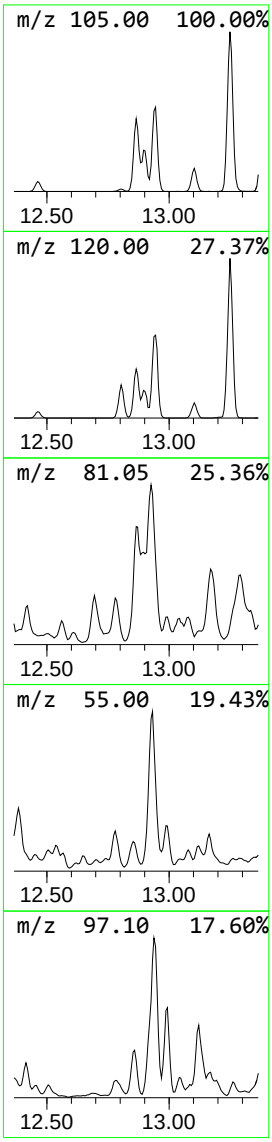
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	16.17 ug/L	580826	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	92
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	70
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

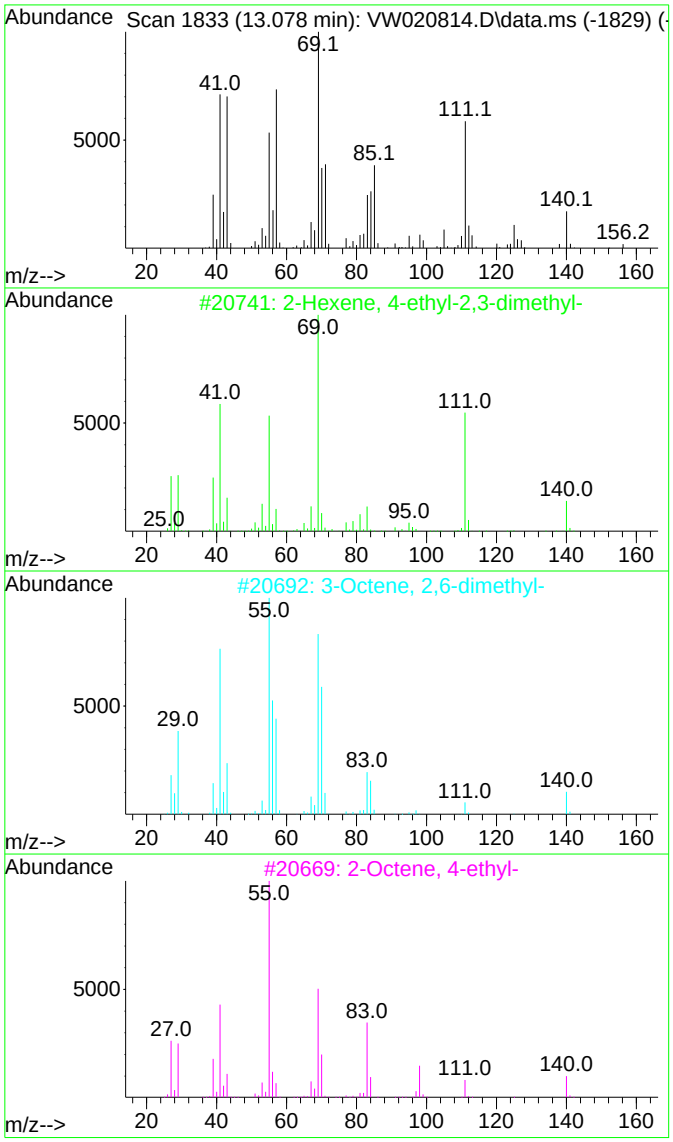
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

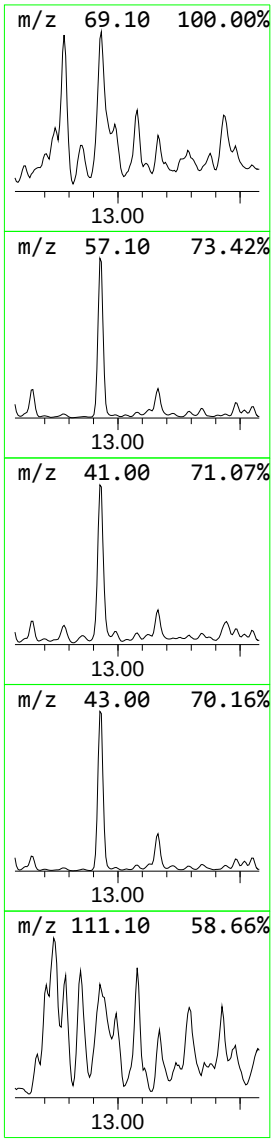
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.078	6.46 ug/L	232031	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
2	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	43
3	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	38
4	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
5	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

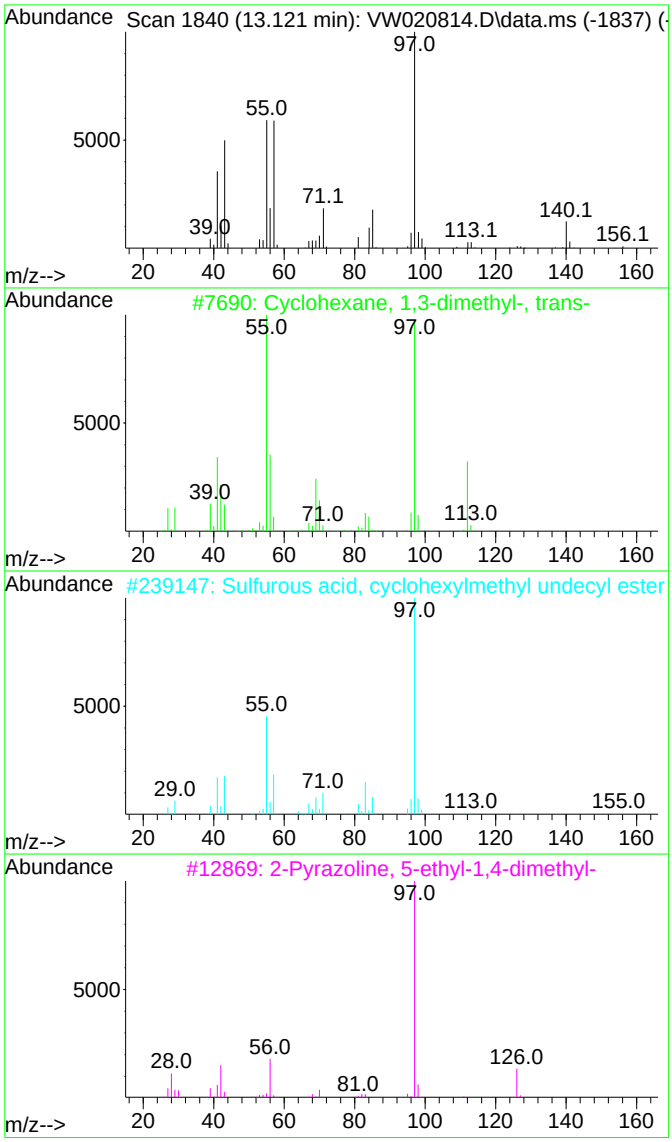
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

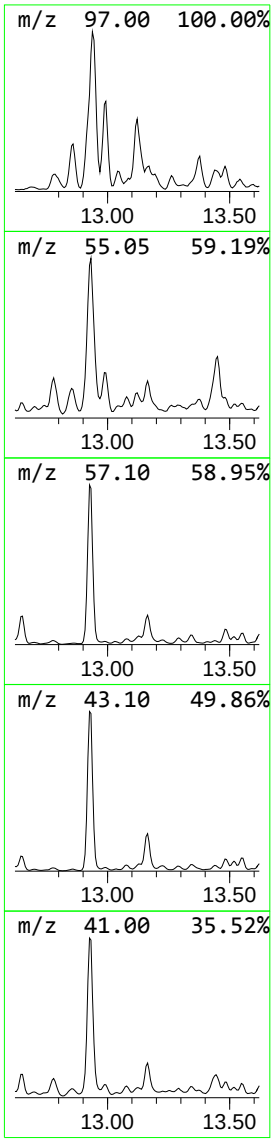
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic13.121 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	2.41 ug/L	86550	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
2	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
3	2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	47
4	2-Butyn-1-al diethyl acetal	142	C8H14O2	002806-97-5	43
5	Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

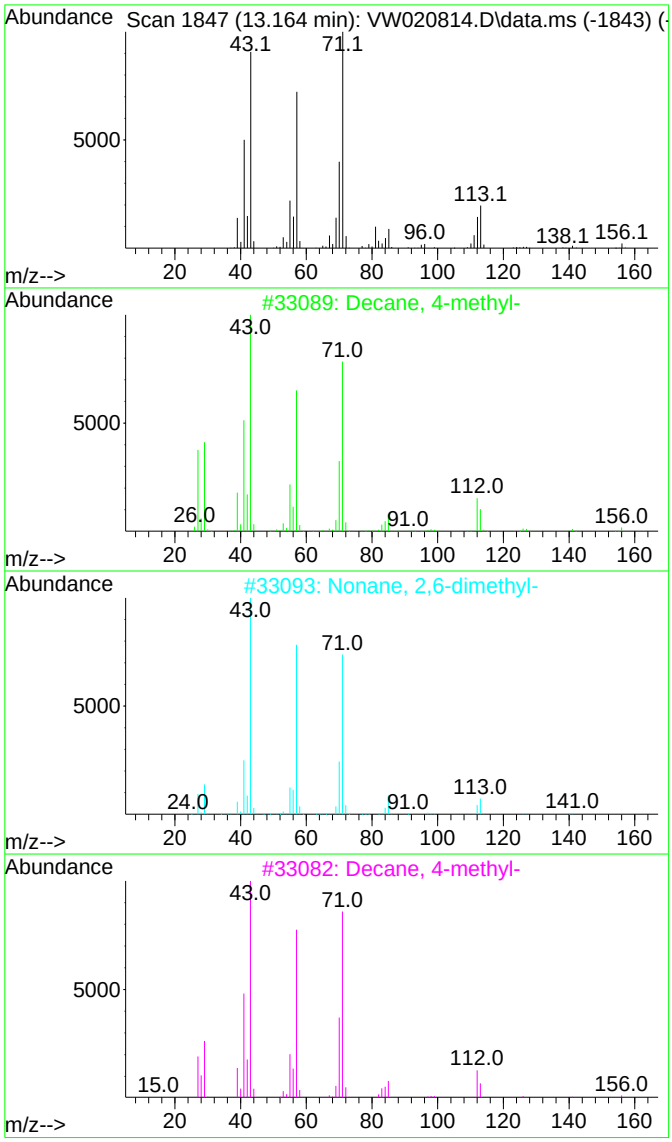
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

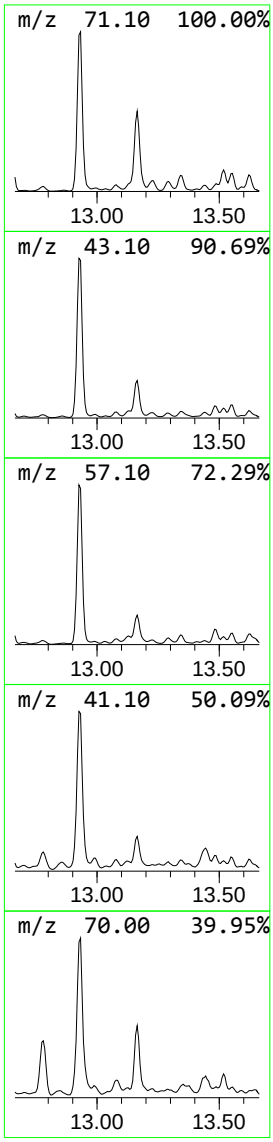
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	23.88 ug/L	857732	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	93
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
3	Decane, 4-methyl-	156	C11H24	002847-72-5	81
4	Decane, 4-methyl-	156	C11H24	002847-72-5	72
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

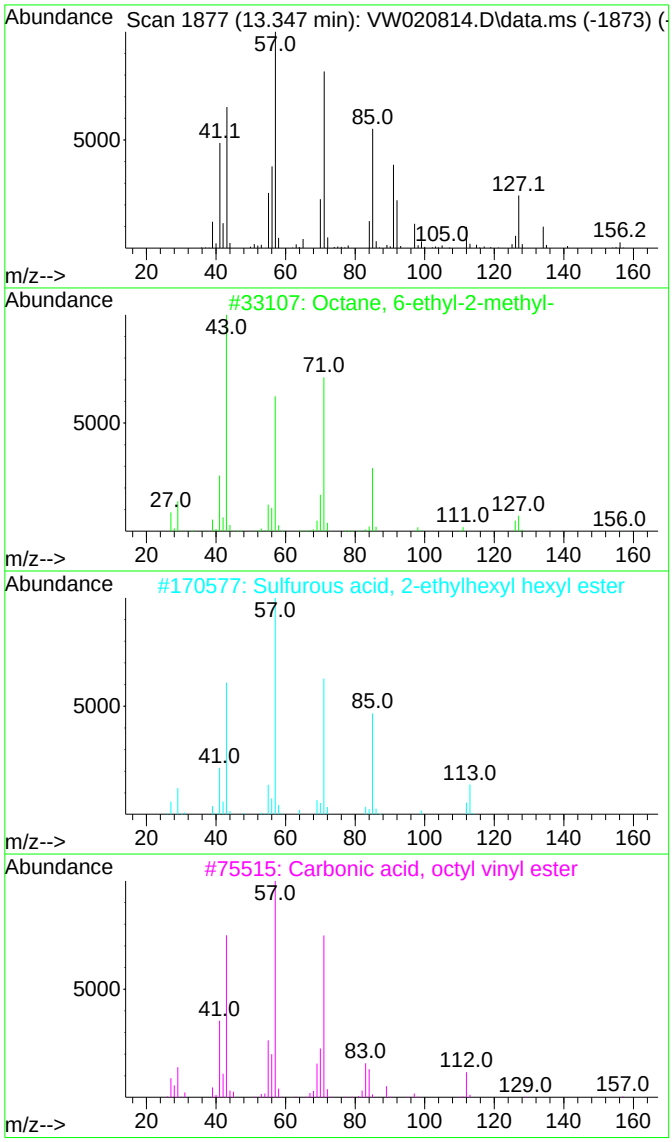
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

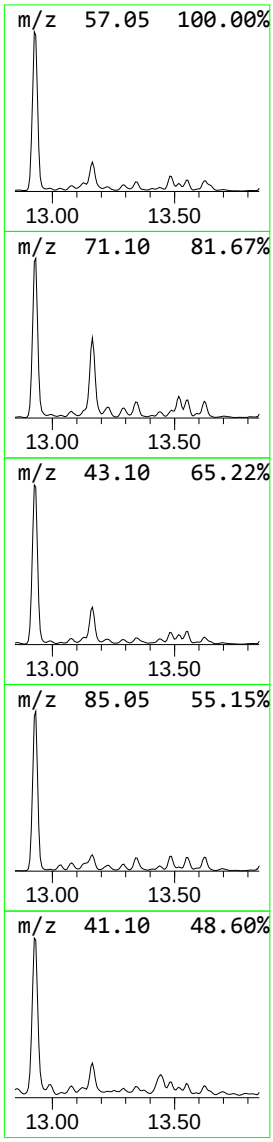
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.347	4.70 ug/L	168885	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
3	Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	47
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	47
5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

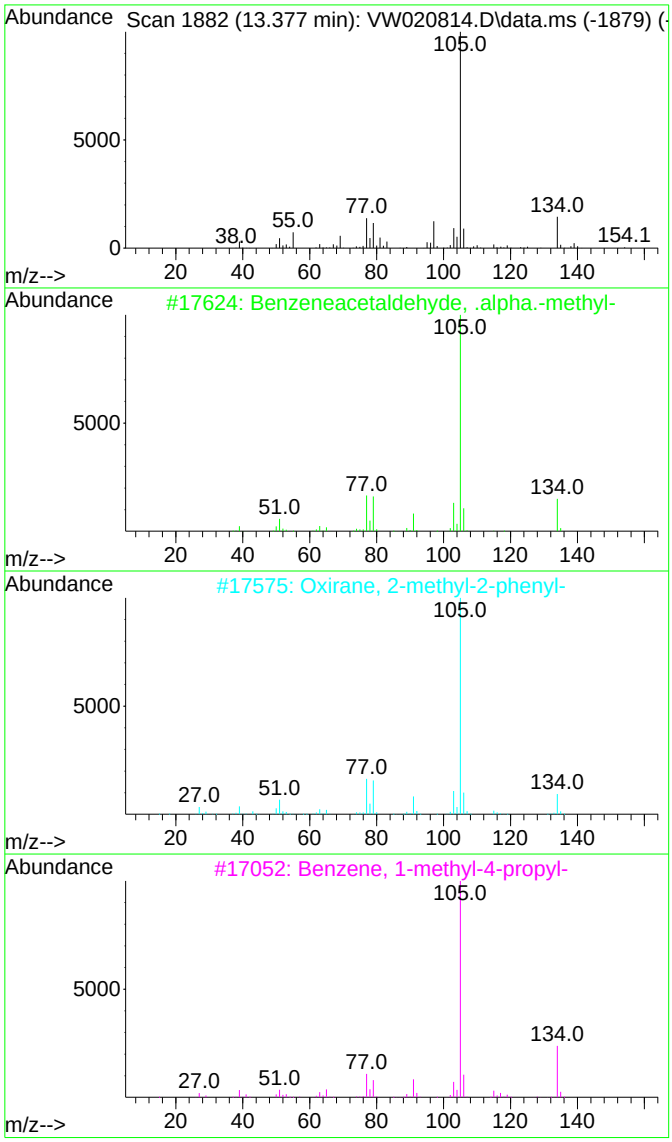
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

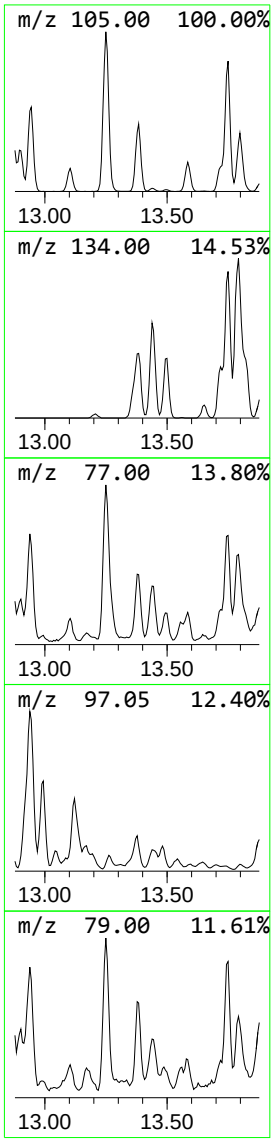
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzeneacetaldehyde, .alpha... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	8.10 ug/L	290887	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	83
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

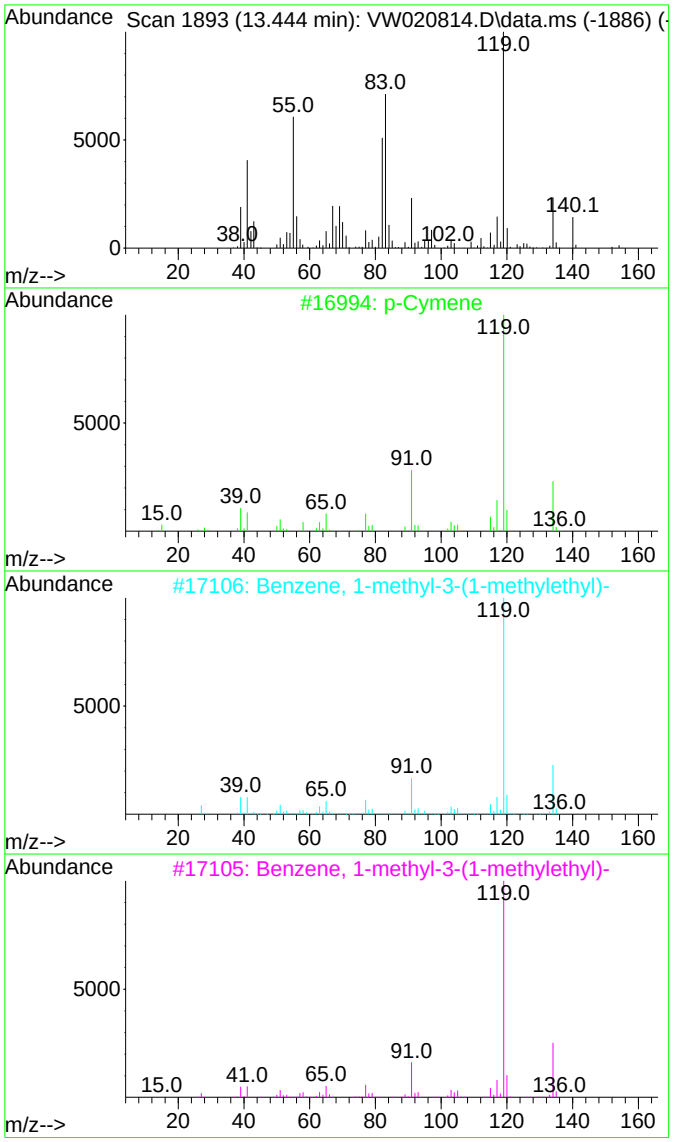
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

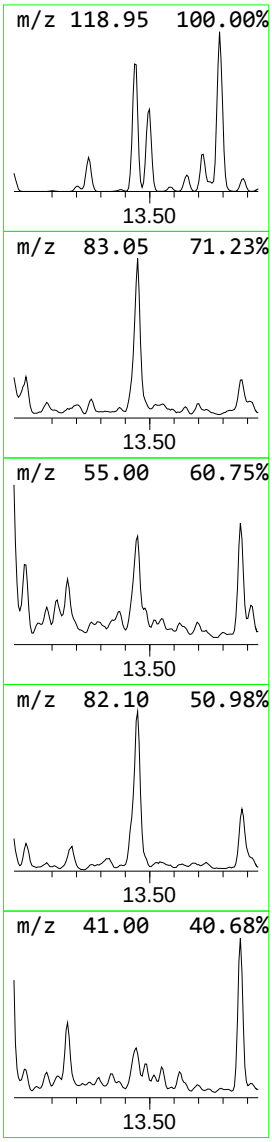
****

Peak Number 38 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	28.82 ug/L	1034830	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	89
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	83
5	o-Cymene	134	C10H14	000527-84-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

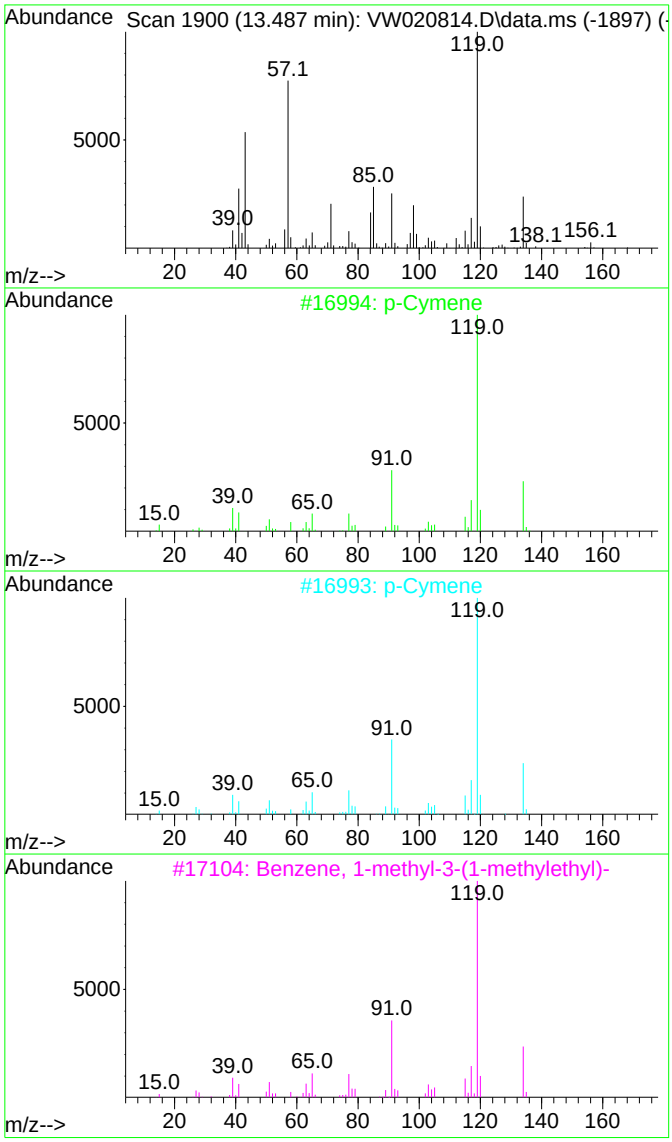
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

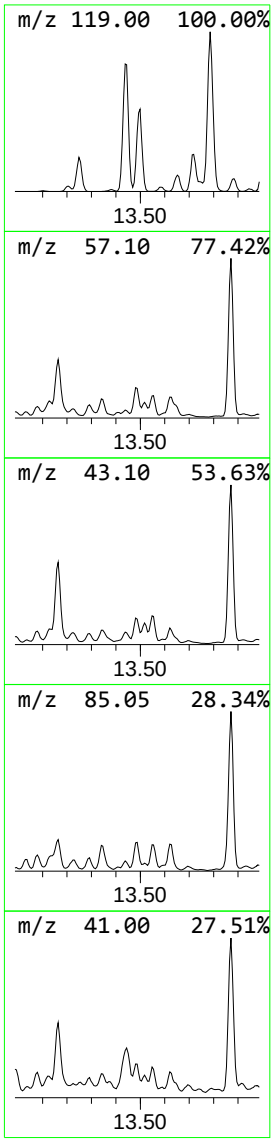
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-methyl-3-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	15.47 ug/L	555484	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	p-Cymene	134	C10H14	000099-87-6	89
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	89
4	o-Cymene	134	C10H14	000527-84-4	87
5	o-Cymene	134	C10H14	000527-84-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

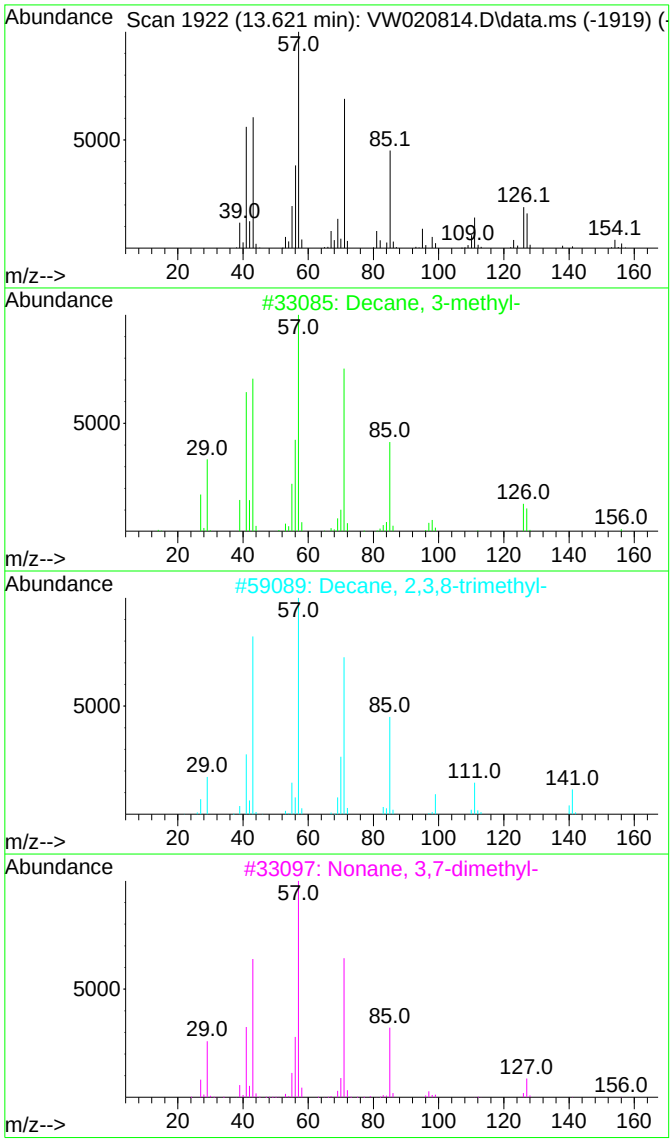
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

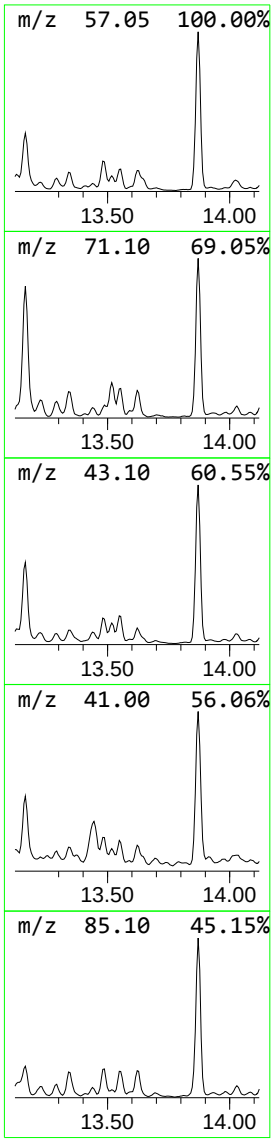
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	7.36 ug/L	264299	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	90
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	47
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
4	Nonadecane	268	C19H40	000629-92-5	47
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

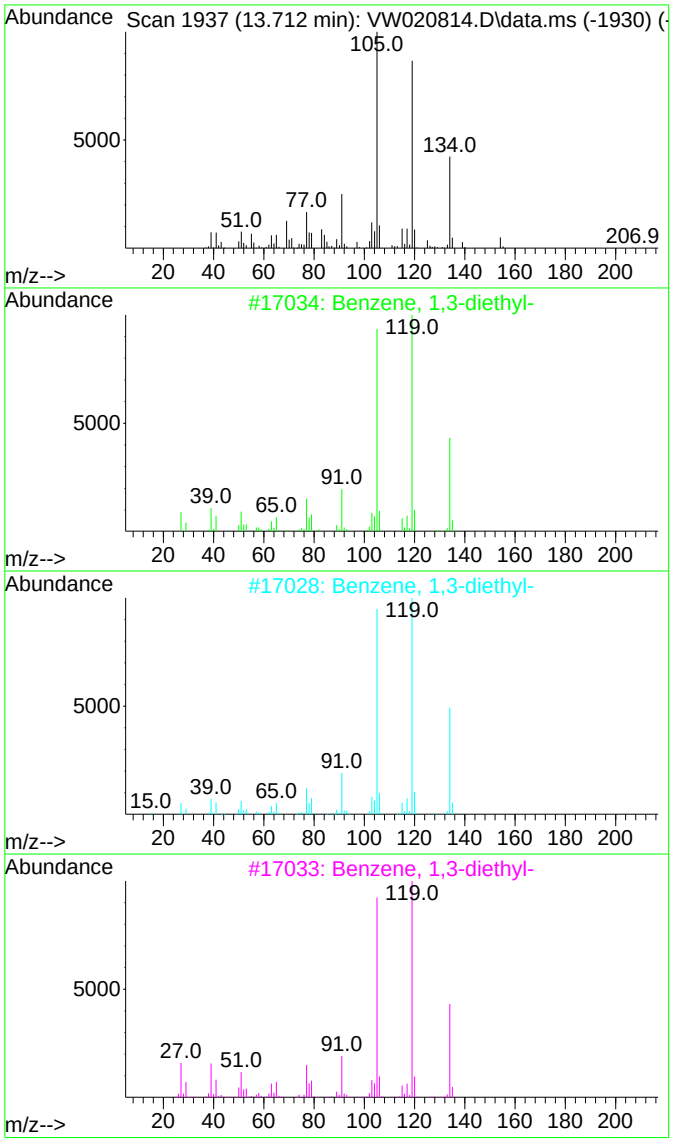
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

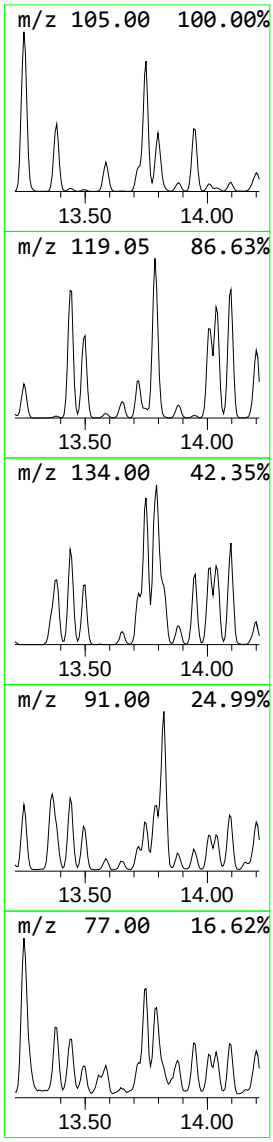
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1,3-diethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	6.41 ug/L	230249	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

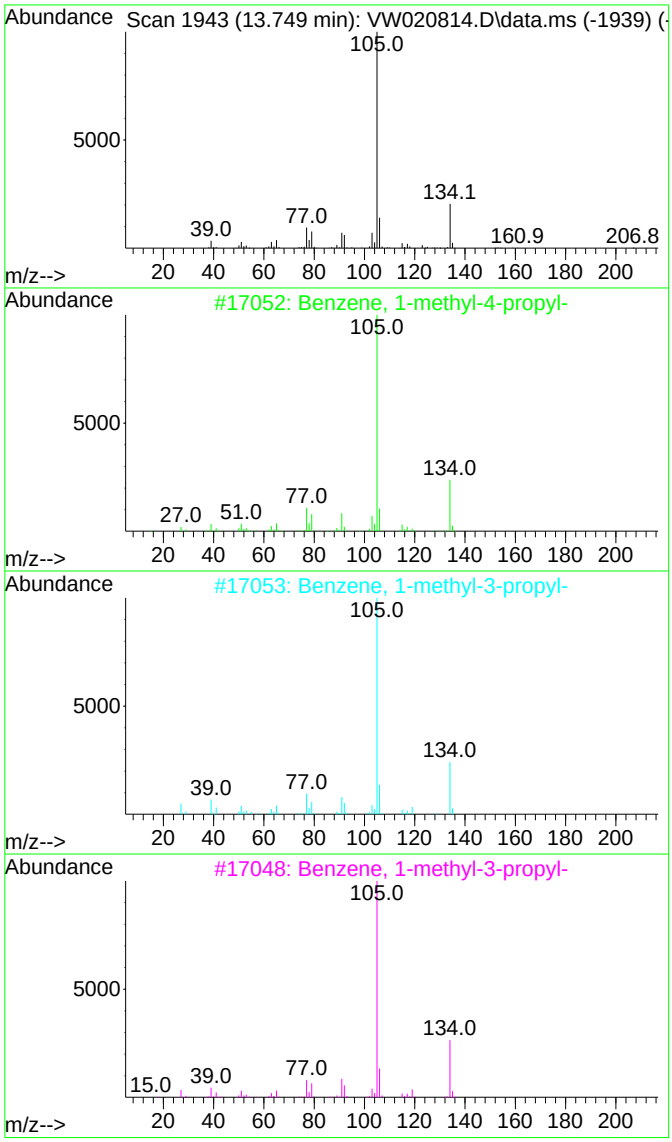
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

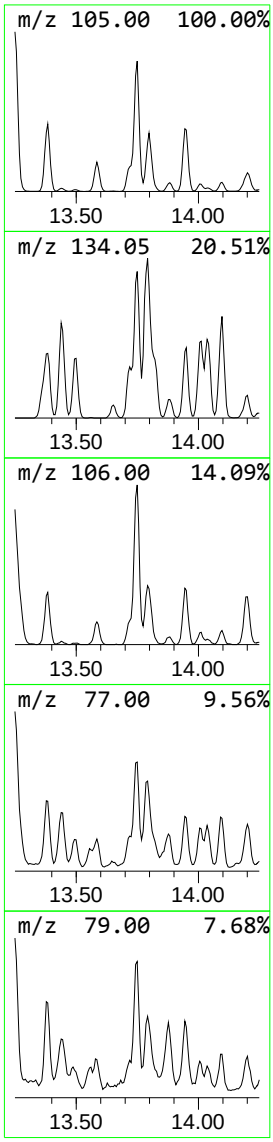
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	11.55 ug/L	414721	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

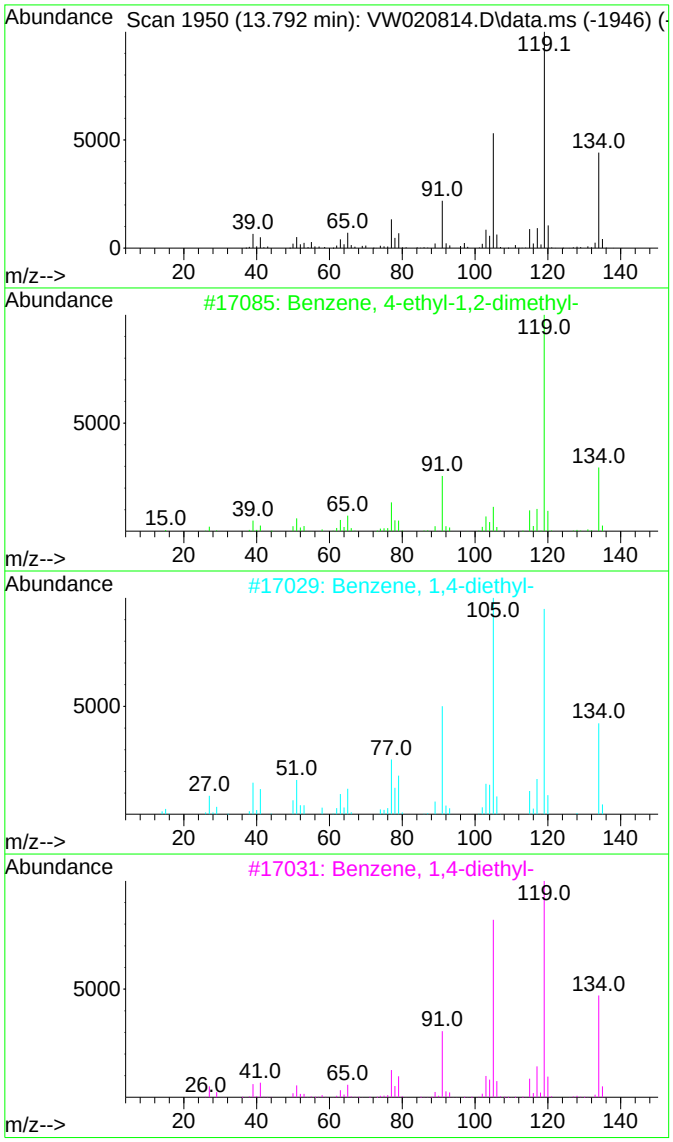
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

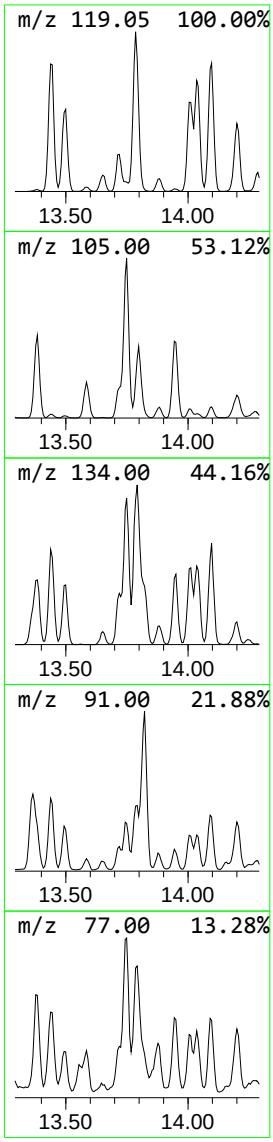
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	14.25 ug/L	511763	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

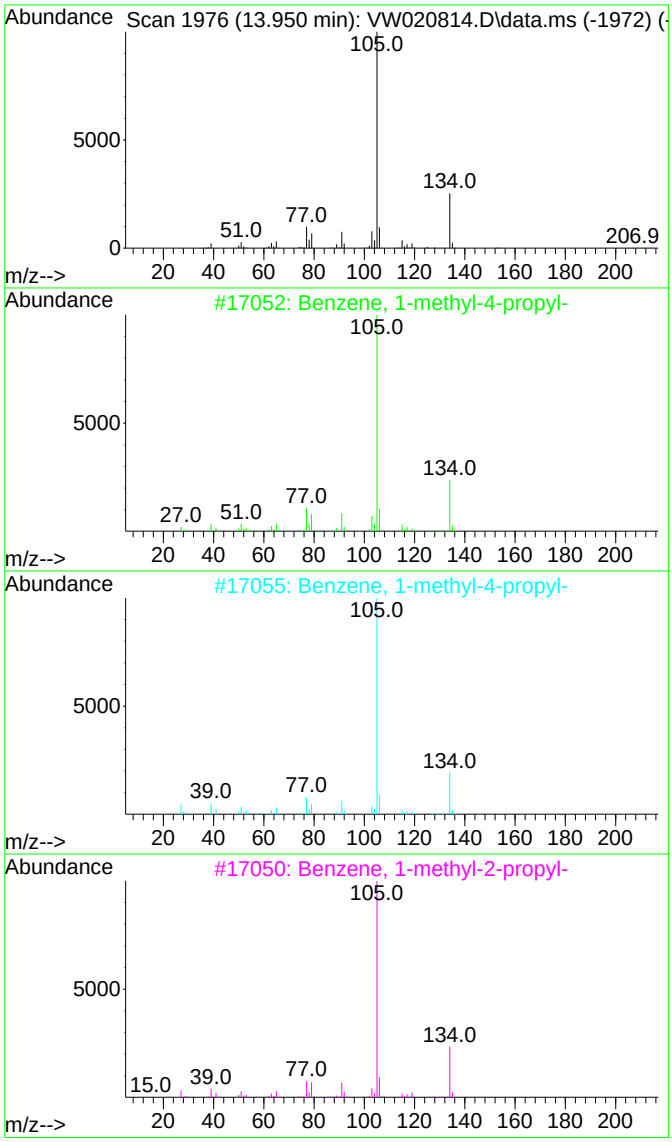
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

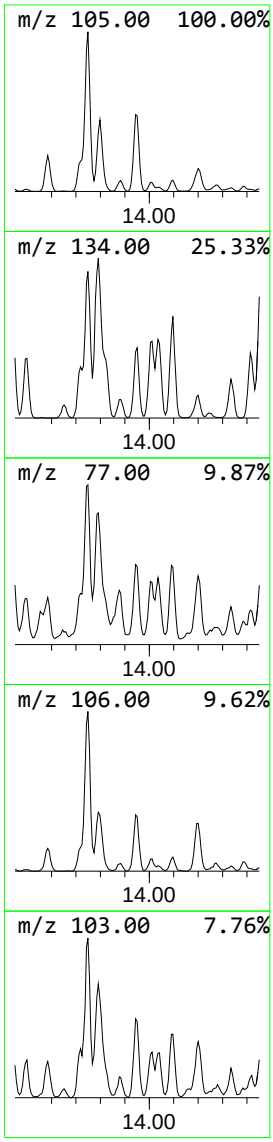
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-methyl-2-propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.950	6.58 ug/L	236350	1,4-Dichlorobenzene-d4	13.560

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-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

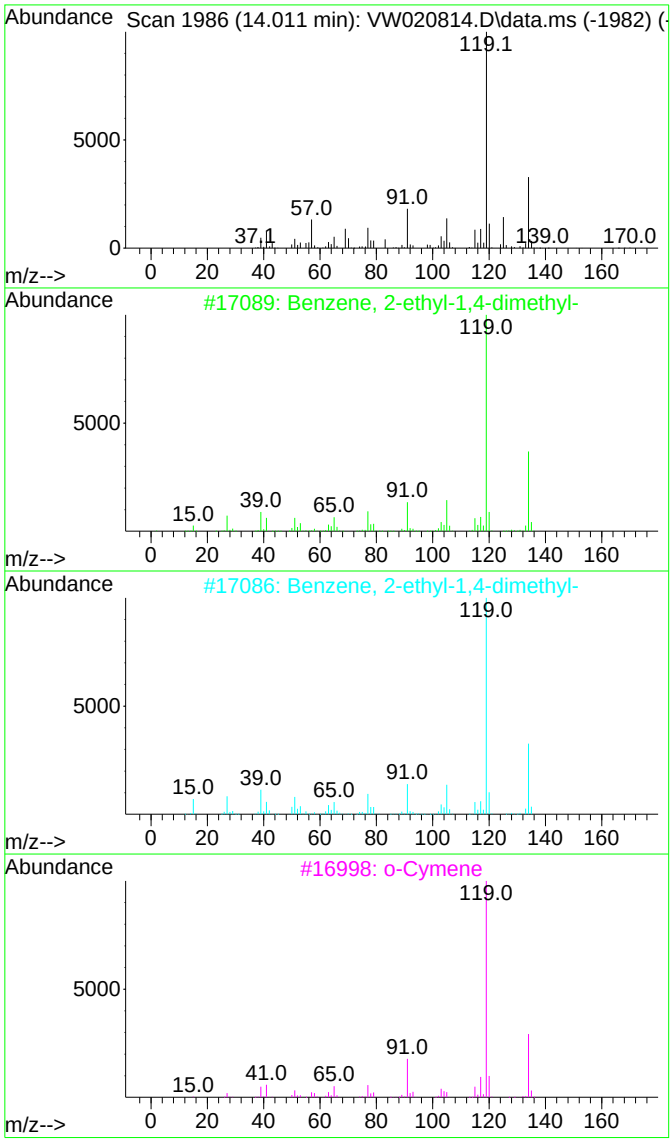
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

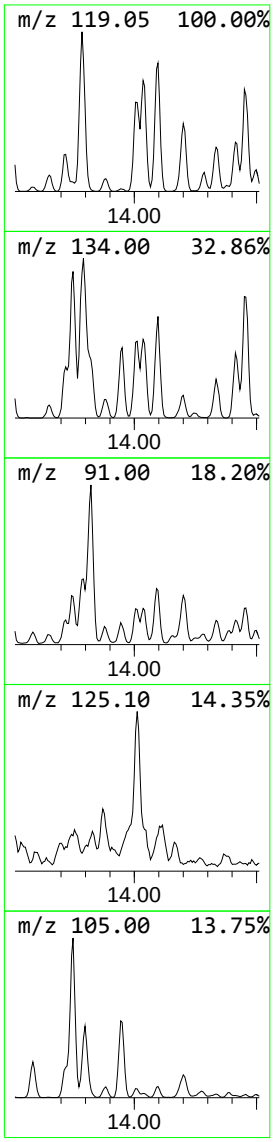
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	8.09 ug/L	290513	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

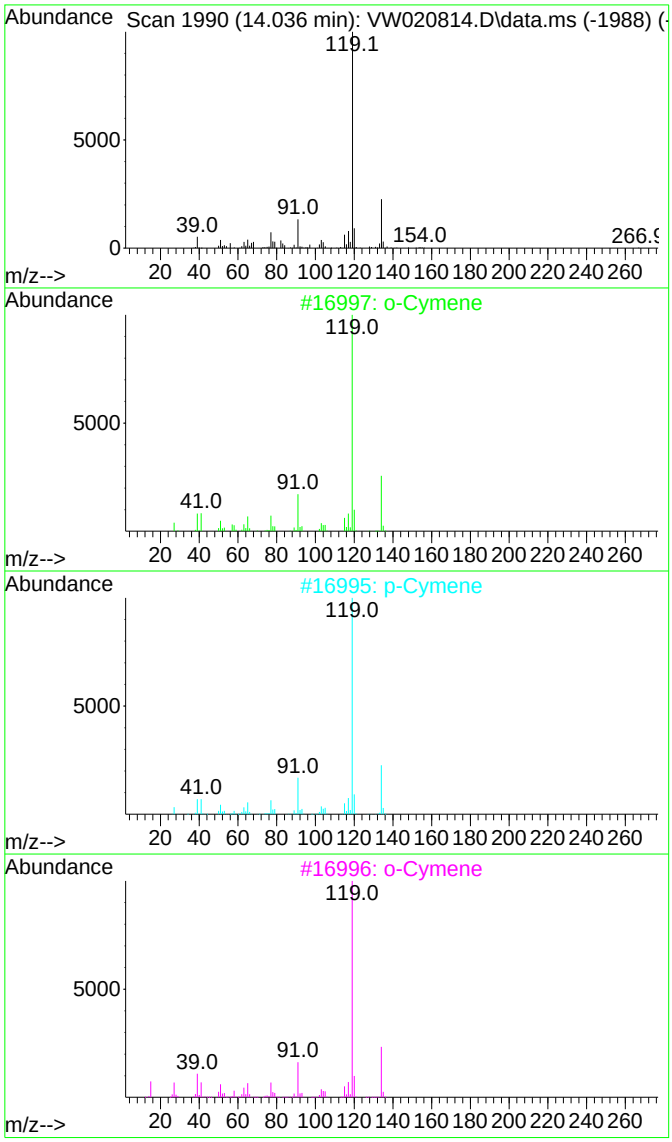
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

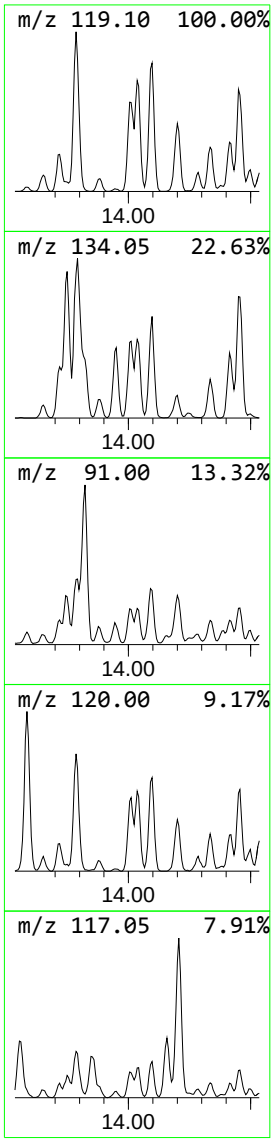
****

Peak Number 46 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	7.92 ug/L	284453	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

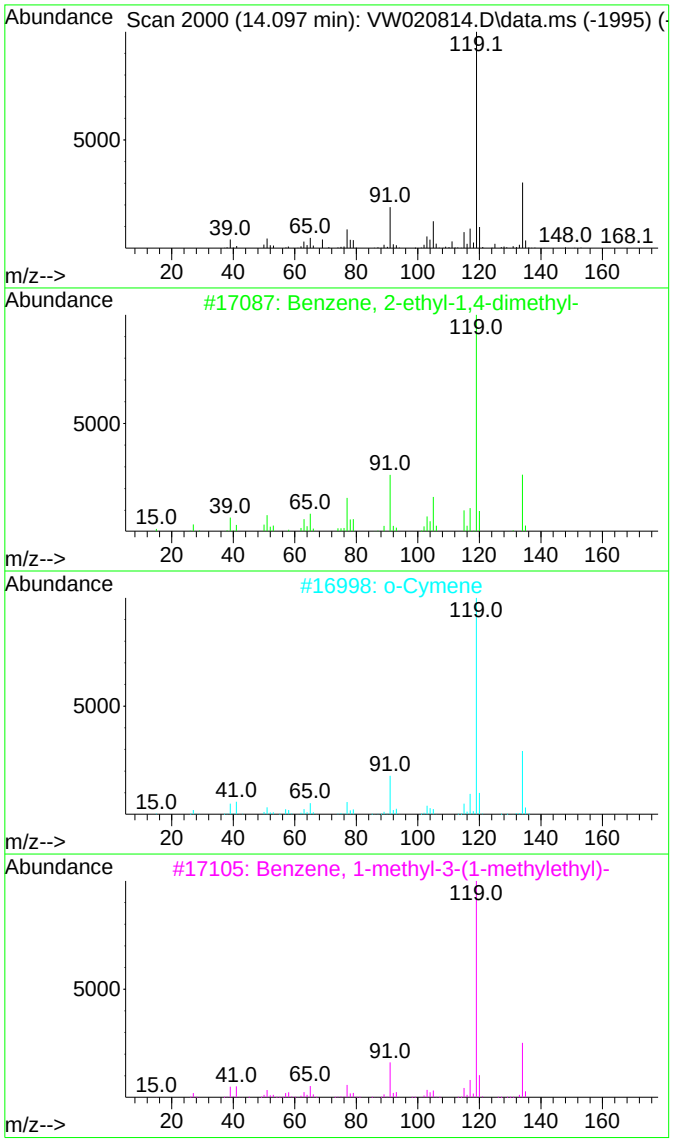
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

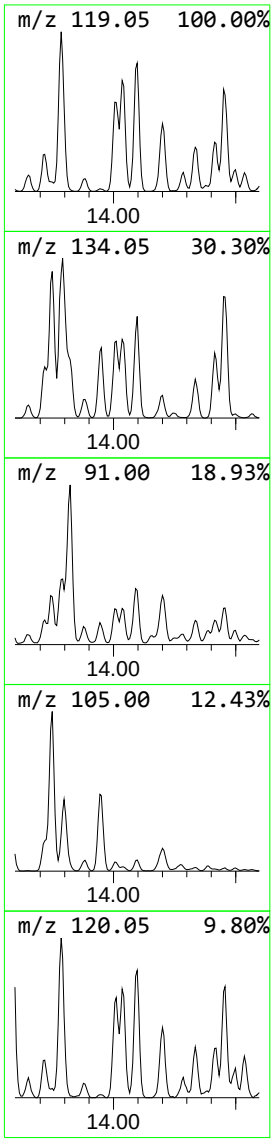
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	8.38 ug/L	301031	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

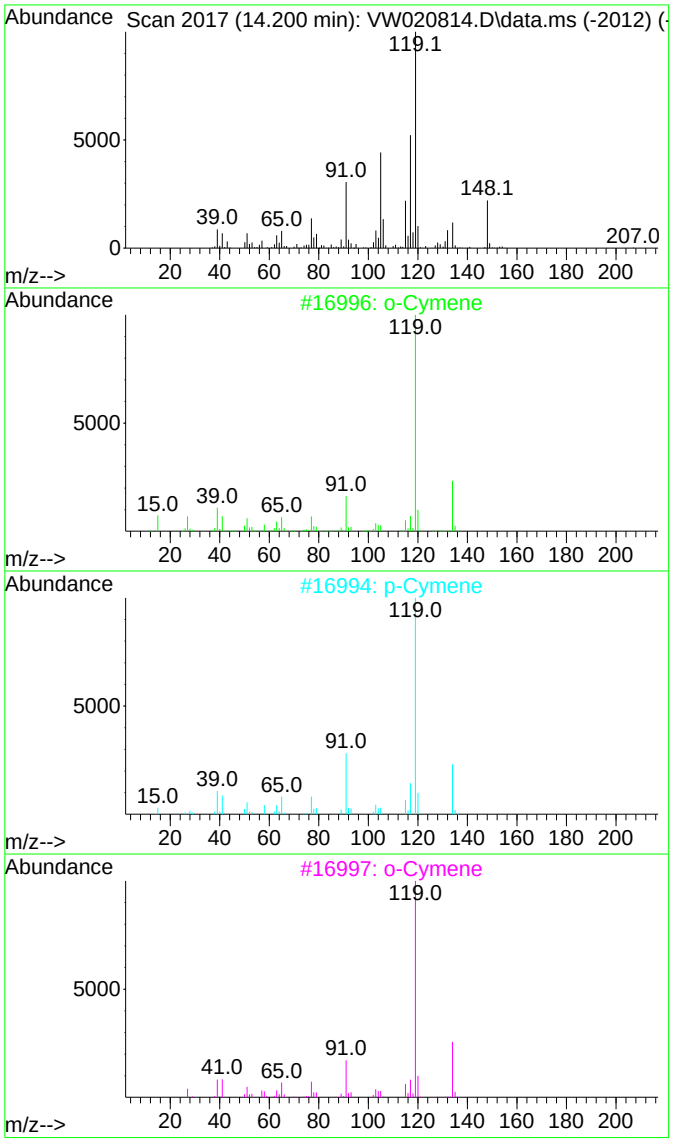
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

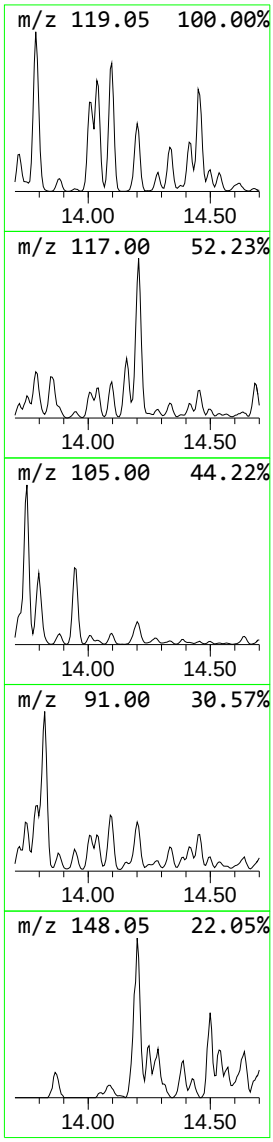
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	9.52 ug/L	341977	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	55
2	p-Cymene	134	C10H14	000099-87-6	55
3	o-Cymene	134	C10H14	000527-84-4	55
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

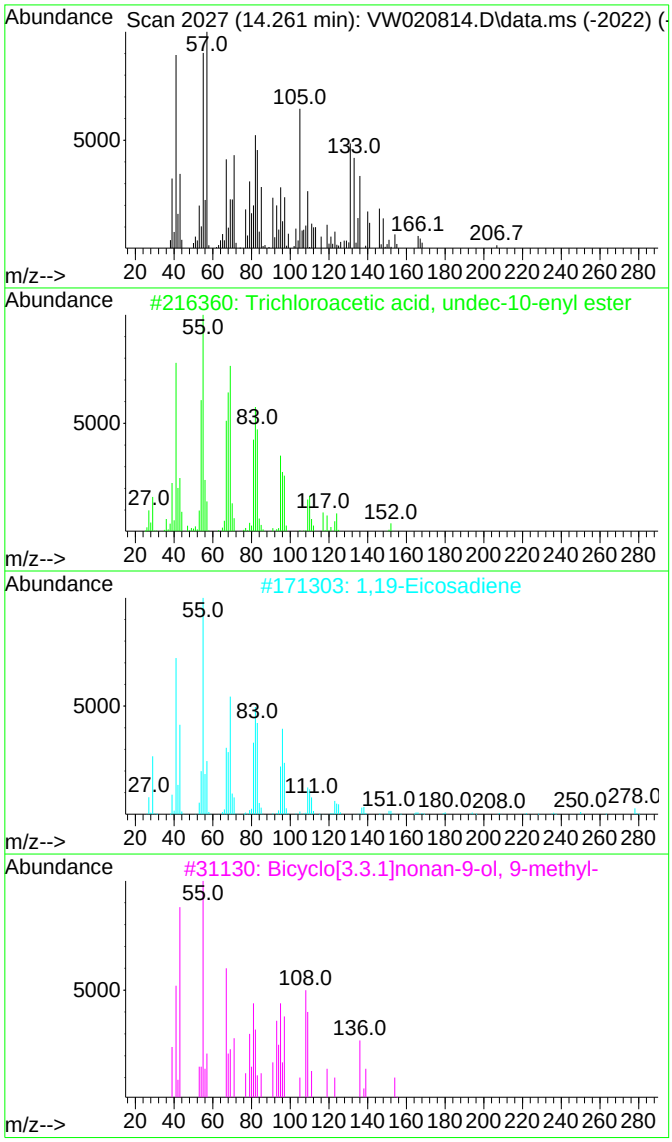
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

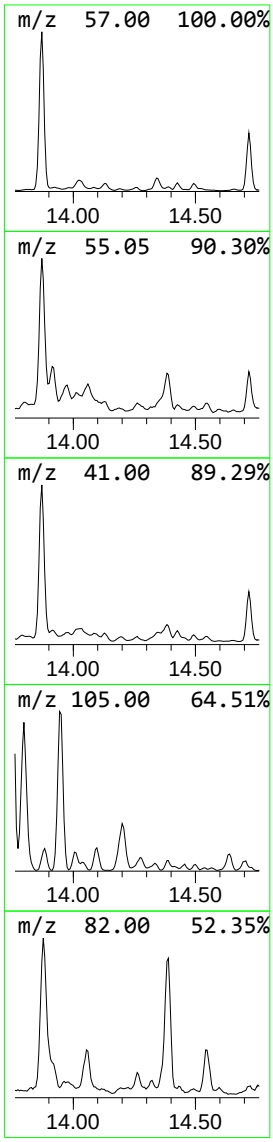
****

Peak Number 49 unknown-01 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	3.17 ug/L	113889	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, undec-10-e...	314	C13H21Cl3O2	1000280-51-3	30
2	1,19-Eicosadiene	278	C20H38	014811-95-1	27
3	Bicyclo[3.3.1]nonan-9-ol, 9-methyl-	154	C10H18O	033832-25-6	25
4	Oxalic acid, allyl dodecyl ester	298	C17H30O4	1000309-24-0	22
5	Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

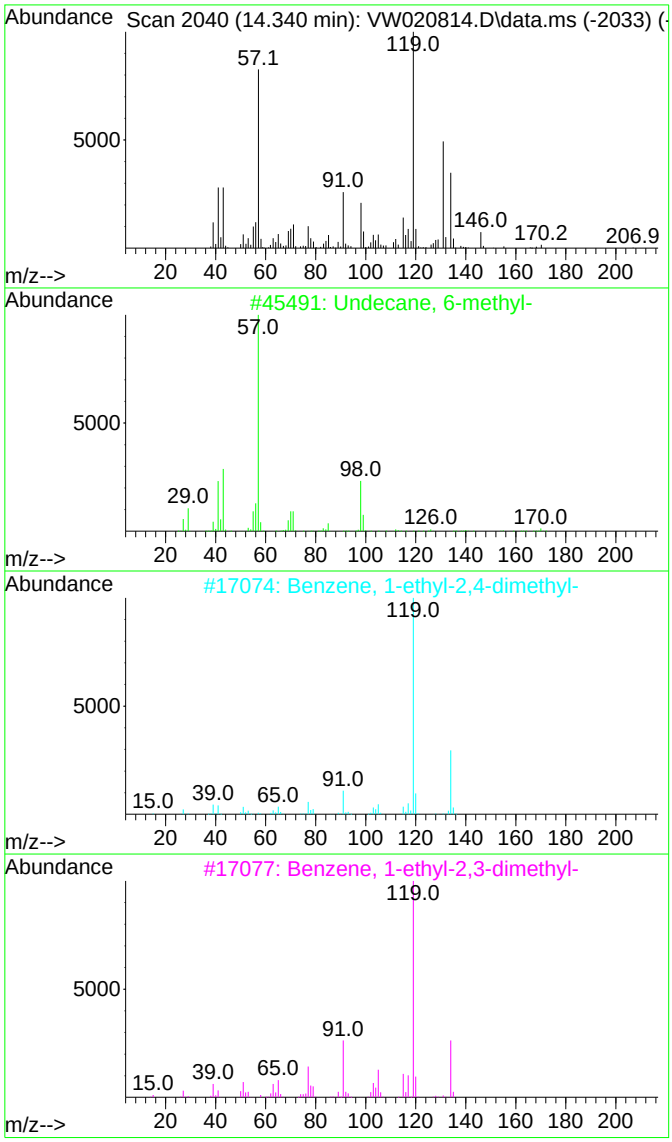
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

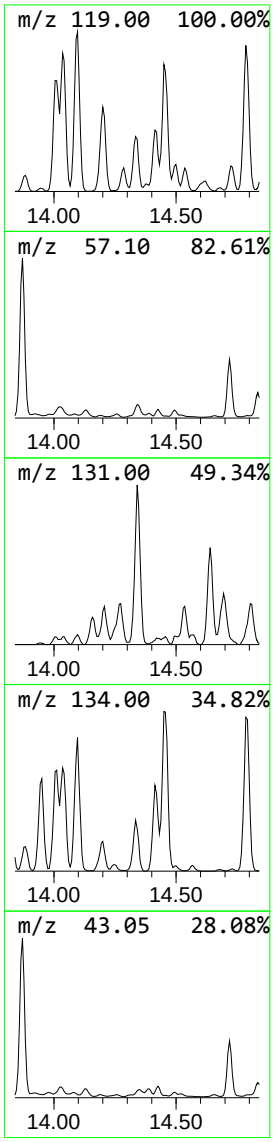
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	7.47 ug/L	268244	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-methyl-	170	C12H26	017302-33-9	53
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

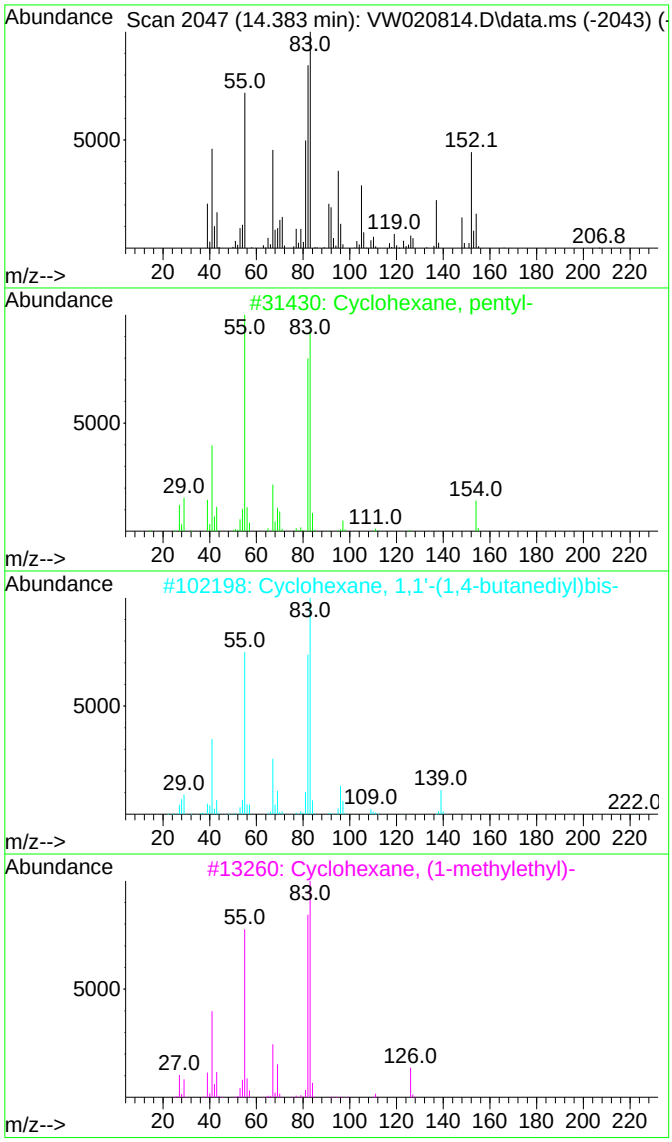
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

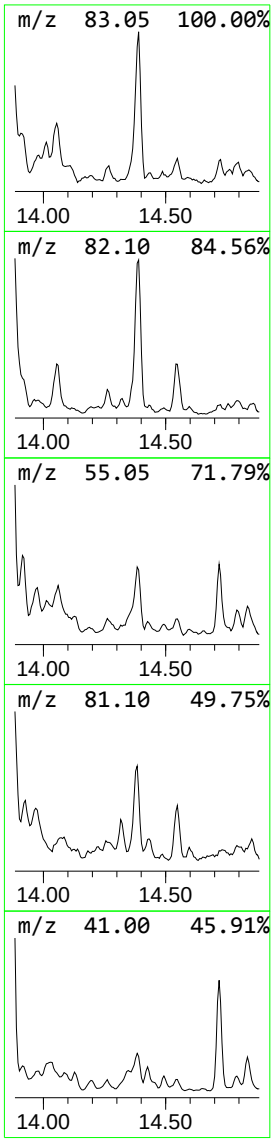
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Cyclic14.383 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	8.84 ug/L	317499	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	43
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

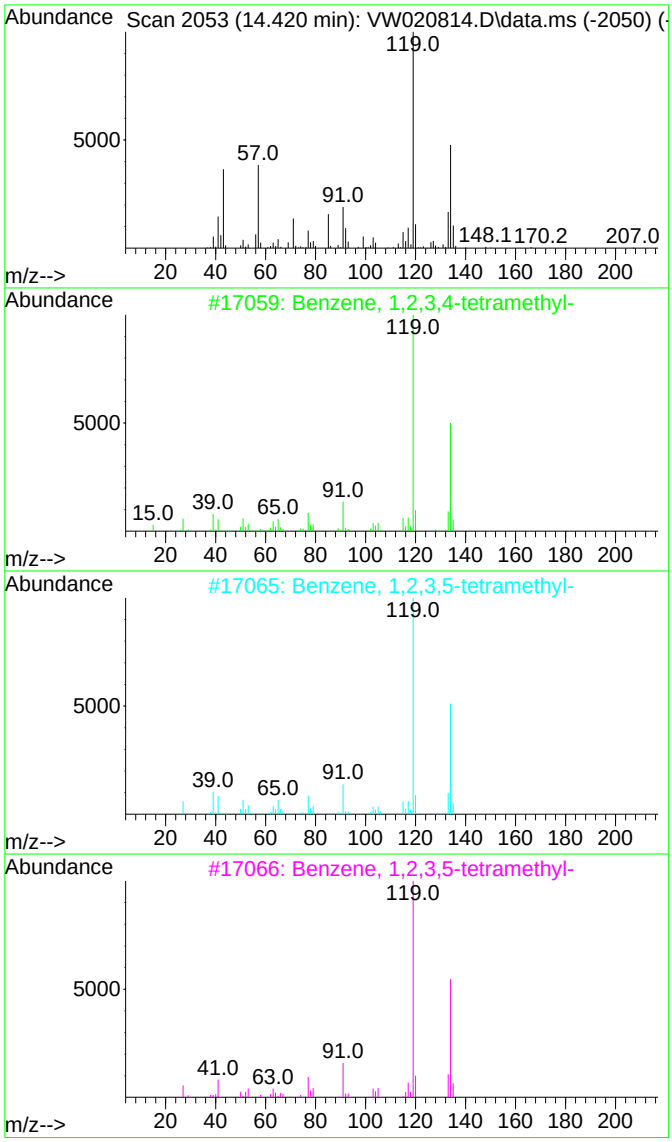
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

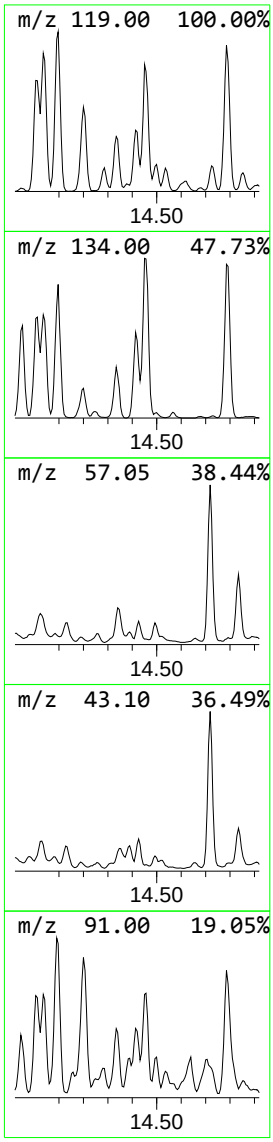
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	6.38 ug/L	229268	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

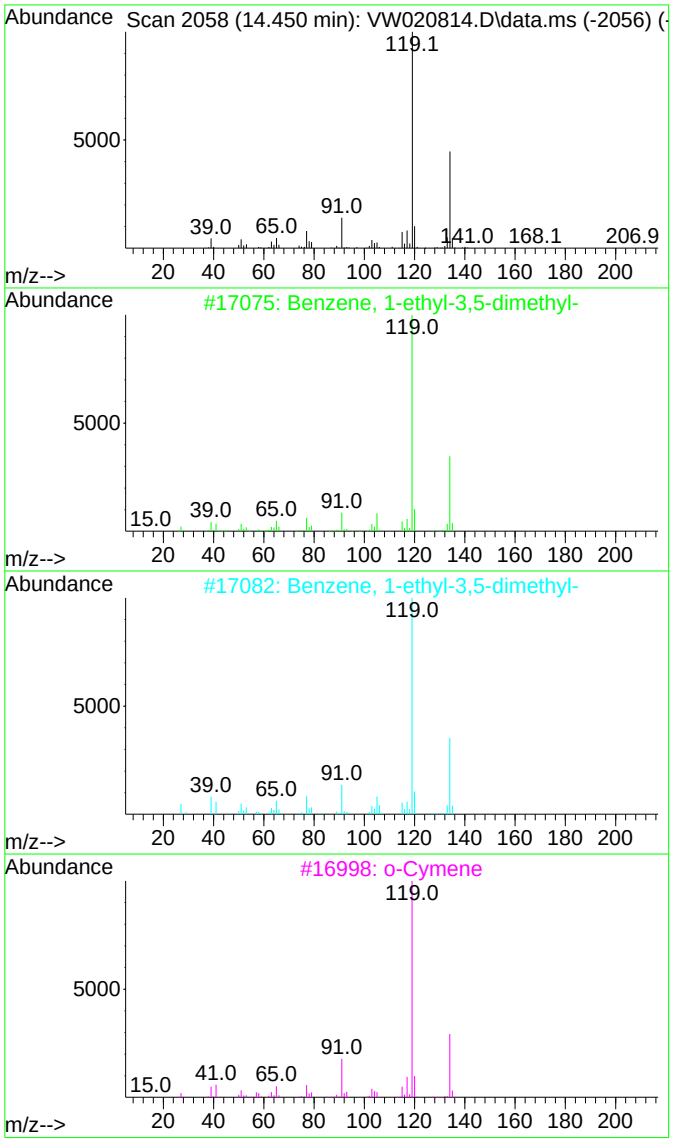
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

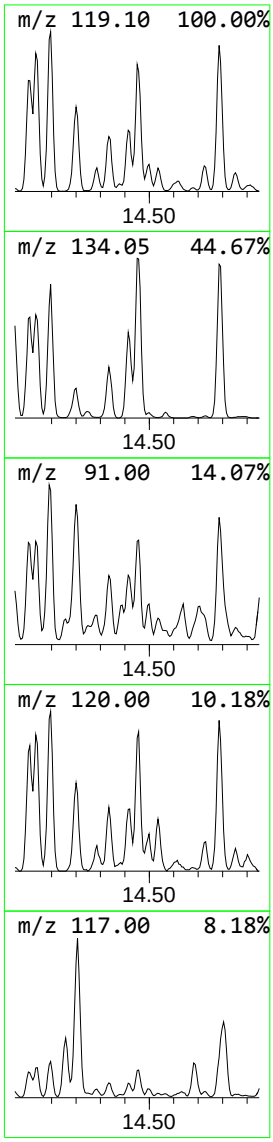
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	6.52 ug/L	234195	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

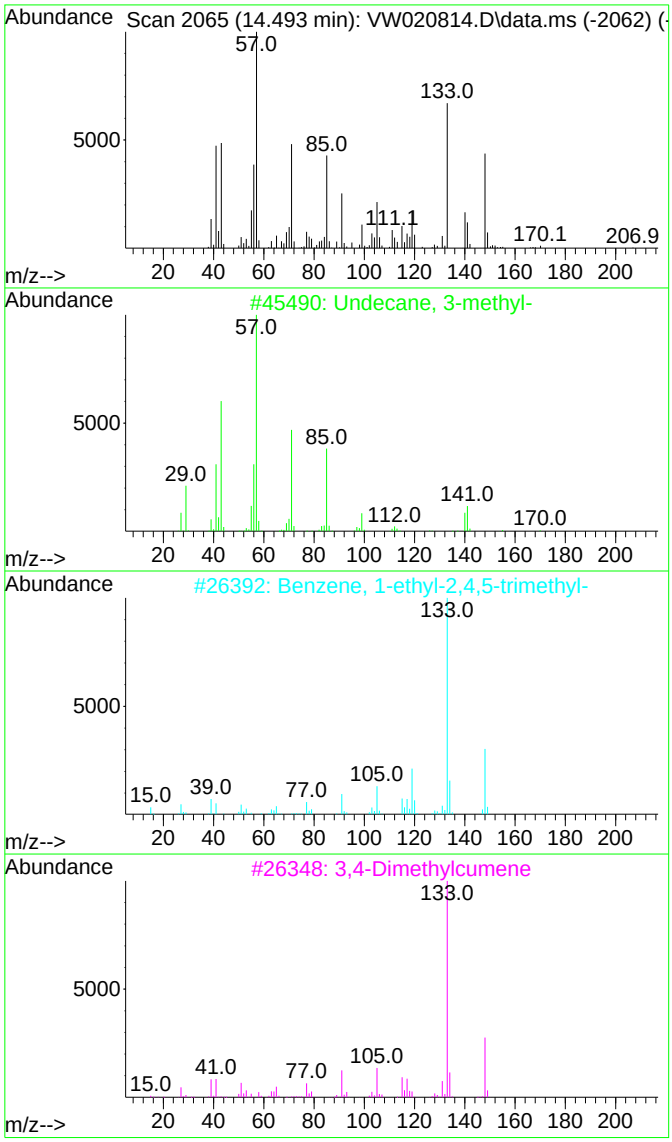
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

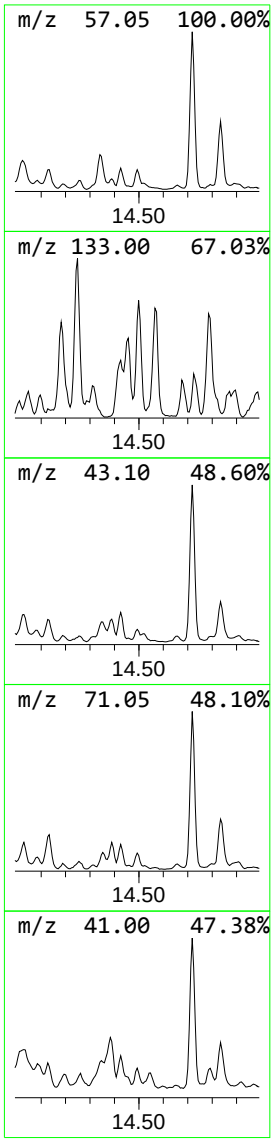
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.98 ug/L	106857	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	42
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	38
4	9-methylheptadecane	254	C18H38	026741-18-4	38
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

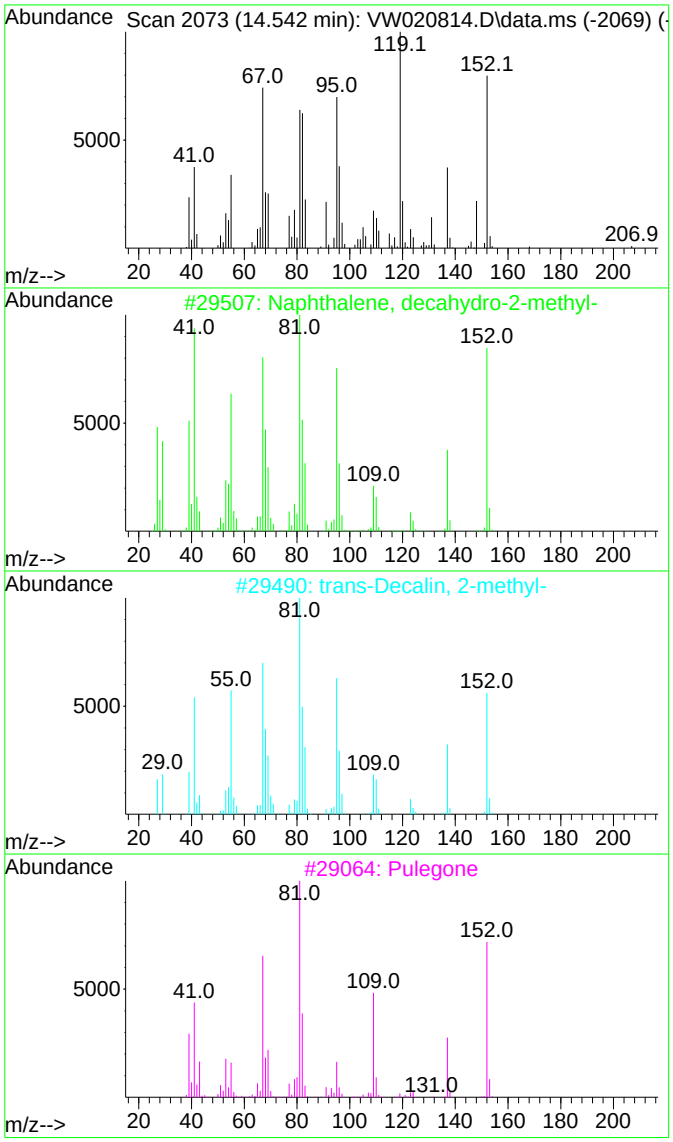
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

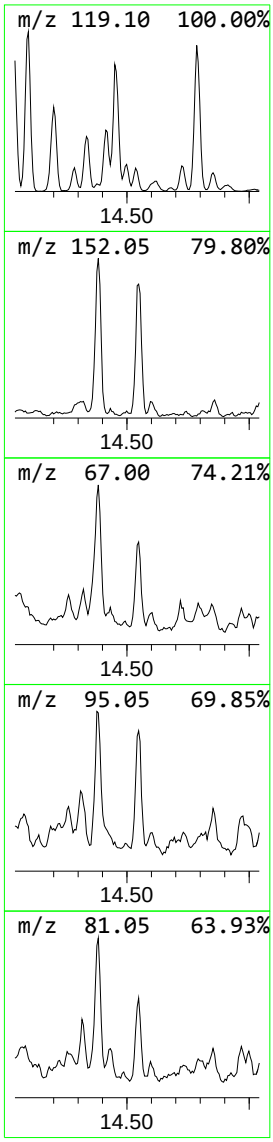
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Naphthalene, decahydro-2-me... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	4.38 ug/L	157177	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	49
3	Pulegone	152	C10H16O	000089-82-7	49
4	Cyclopentylcyclohexane	152	C11H20	001606-08-2	46
5	Propylidencyclohexane	124	C9H16	002129-93-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

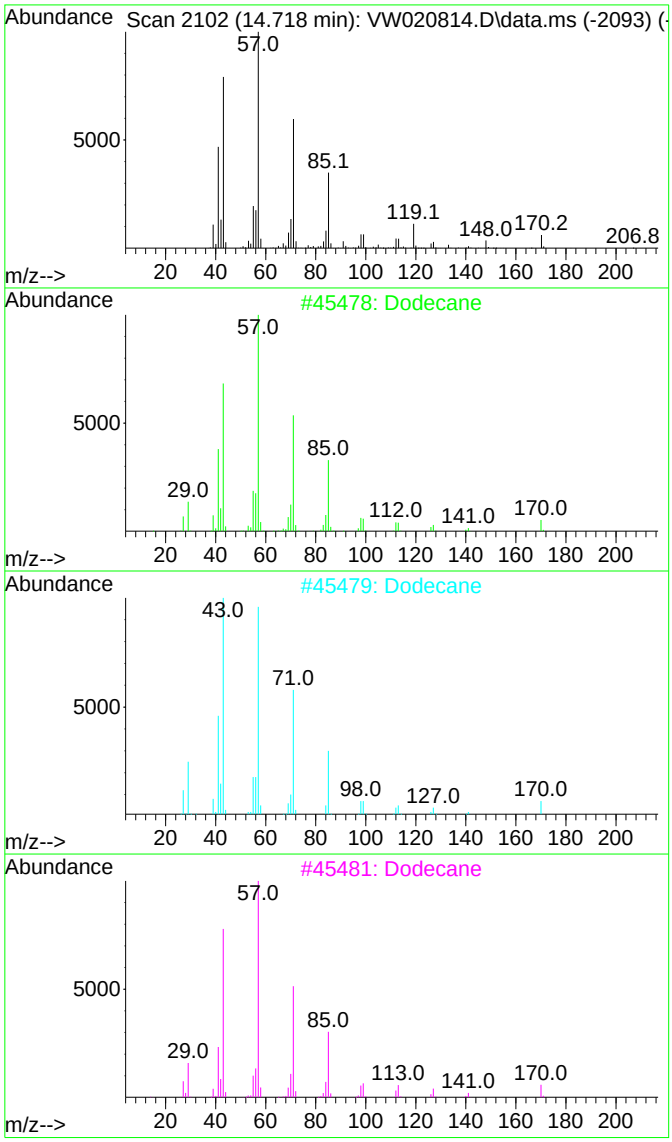
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

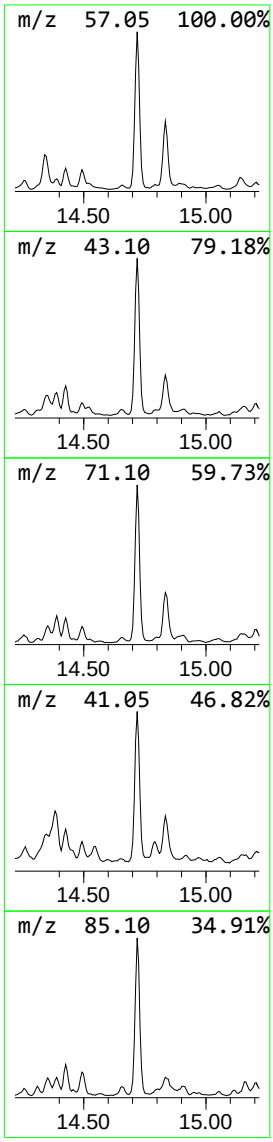
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.718	17.83 ug/L	640388	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Dodecane	170	C12H26	000112-40-3	94
3	Dodecane	170	C12H26	000112-40-3	90
4	Dodecane	170	C12H26	000112-40-3	81
5	Tetradecane	198	C14H30	000629-59-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

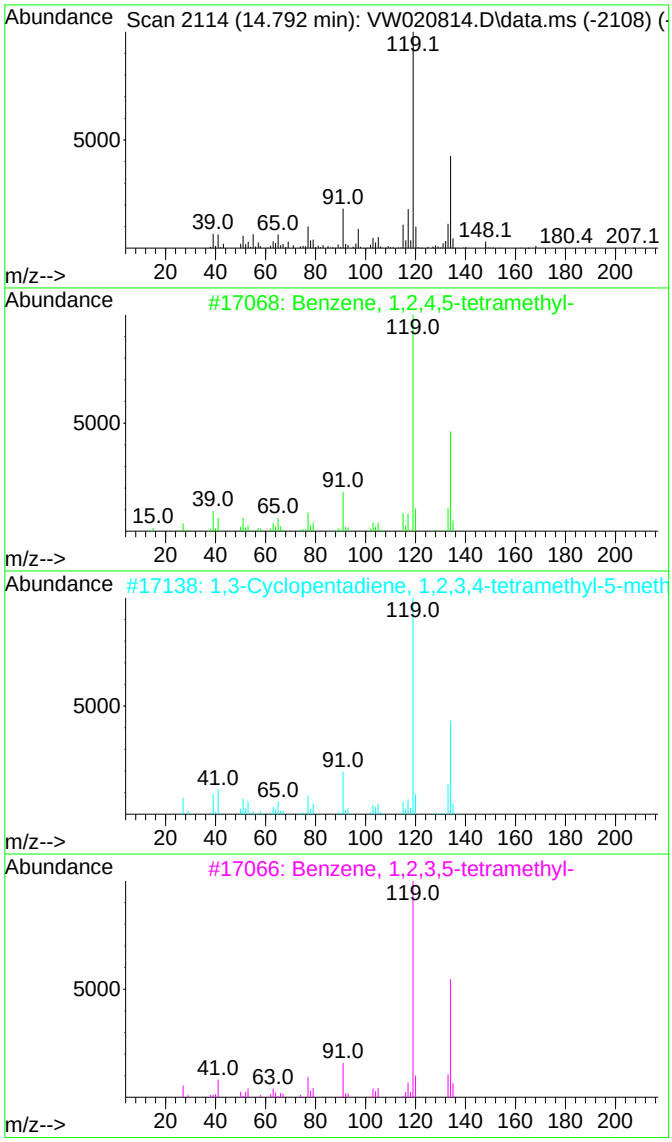
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

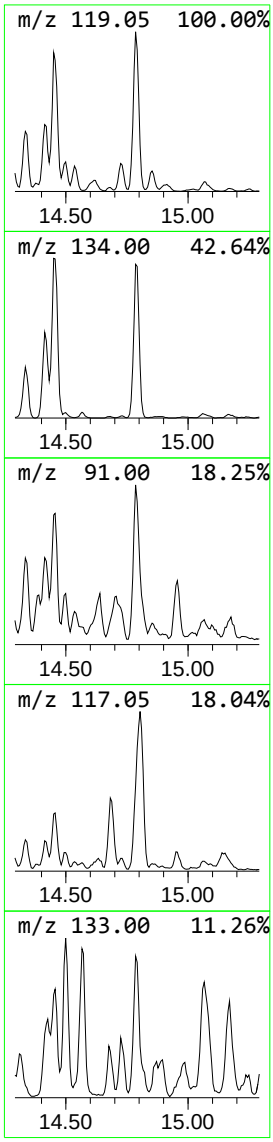
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	12.38 ug/L	444644	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

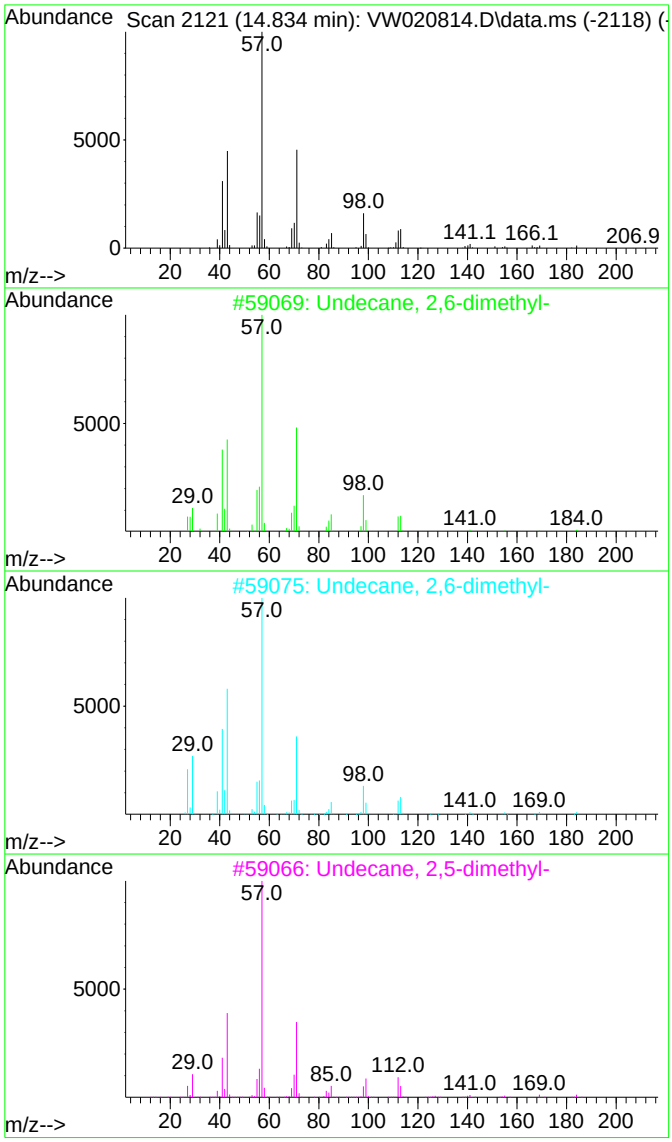
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

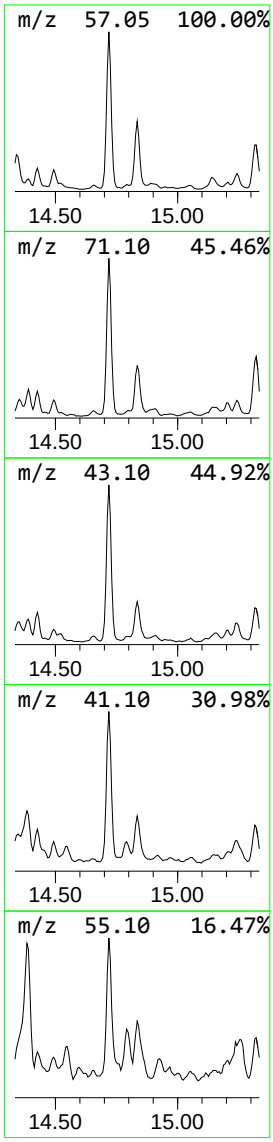
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.834	7.13 ug/L	256019	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	87
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

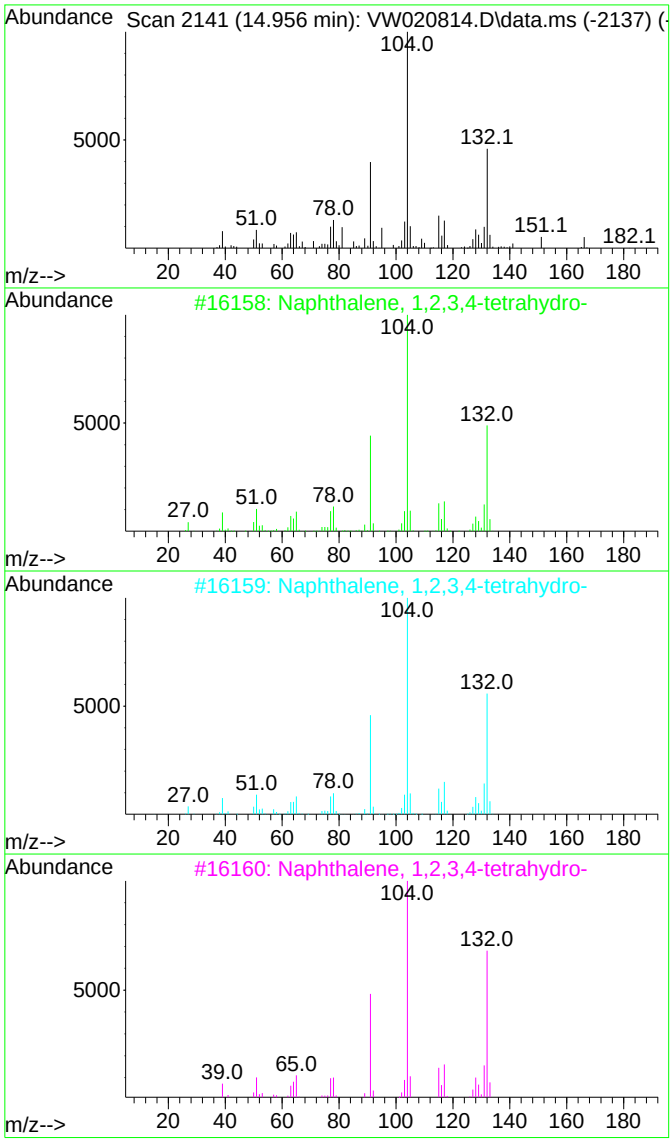
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

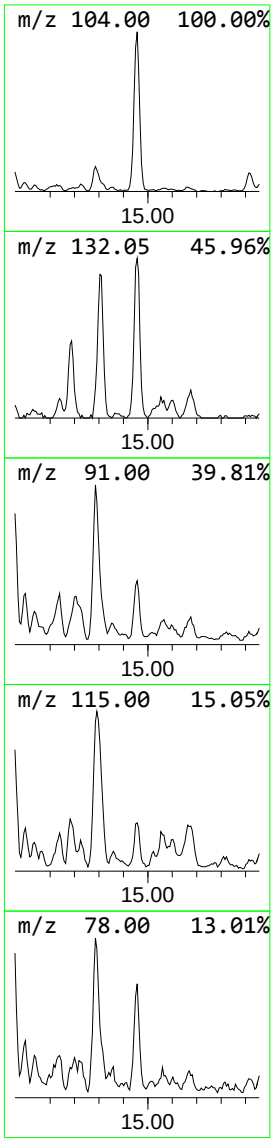
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	2.15 ug/L	77260	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
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	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

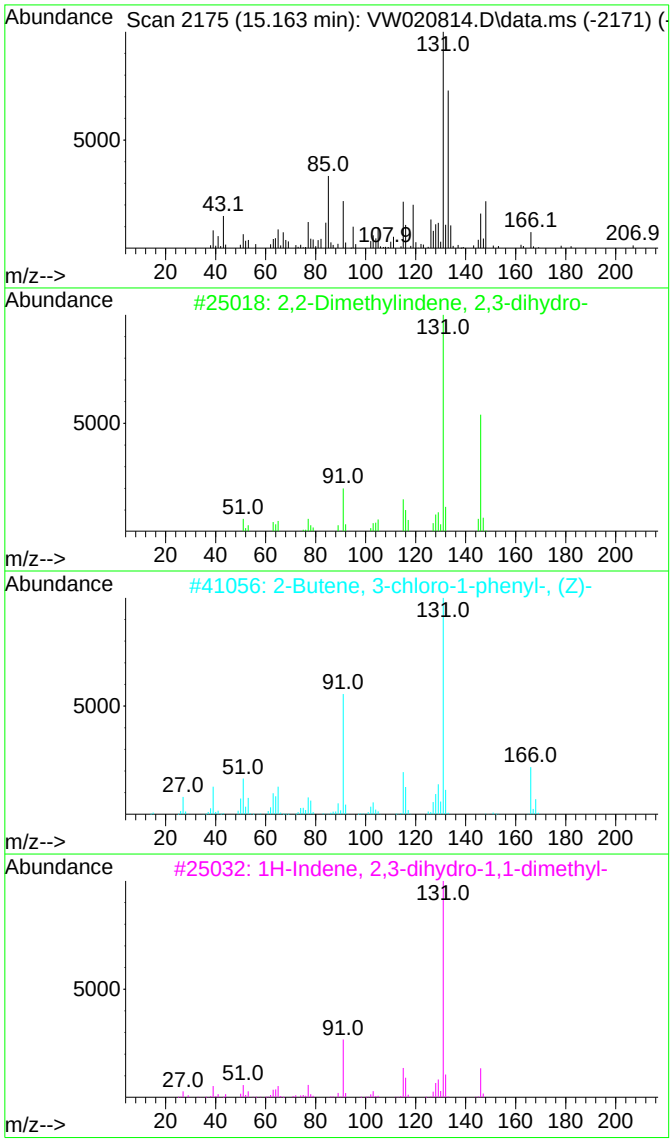
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

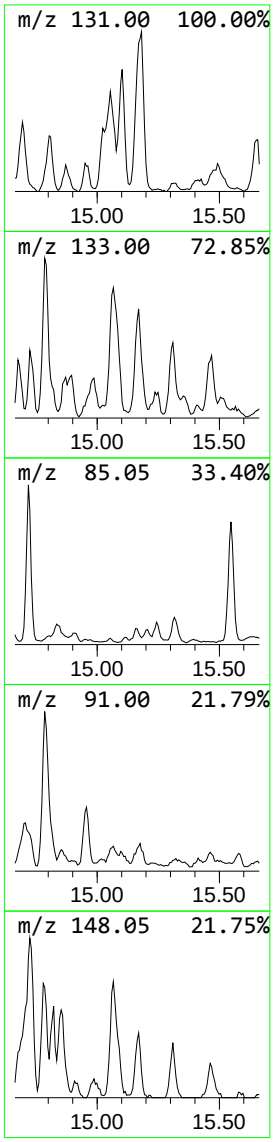
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 2,2-Dimethylindene, 2,3-dih... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	1.87 ug/L	67152	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	60
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

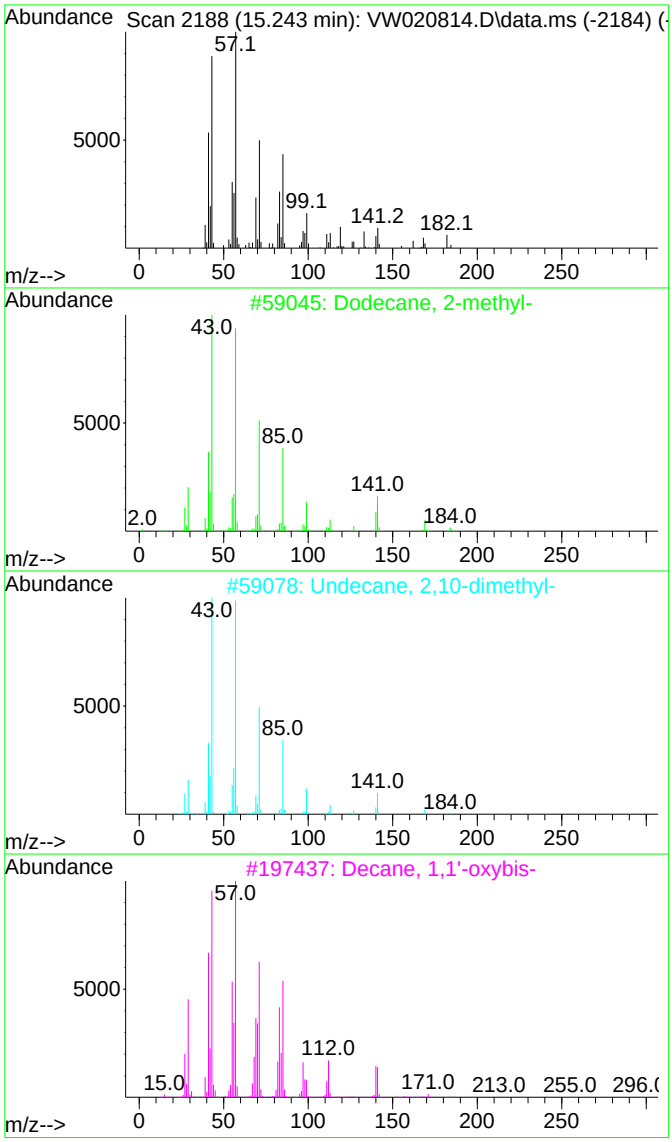
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

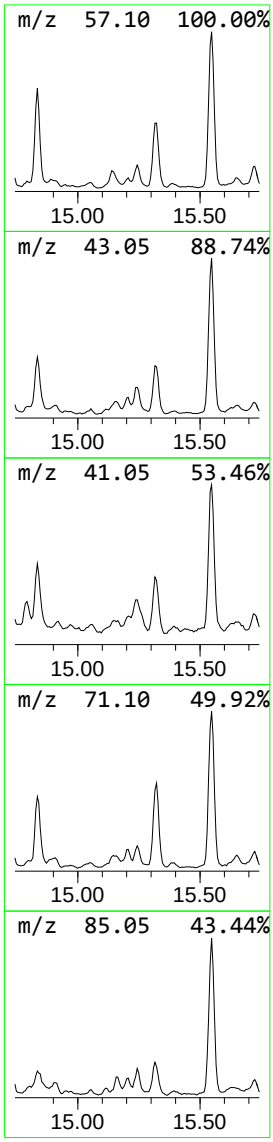
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	4.05 ug/L	145624	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	89
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	72
3	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	72
4	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	59
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

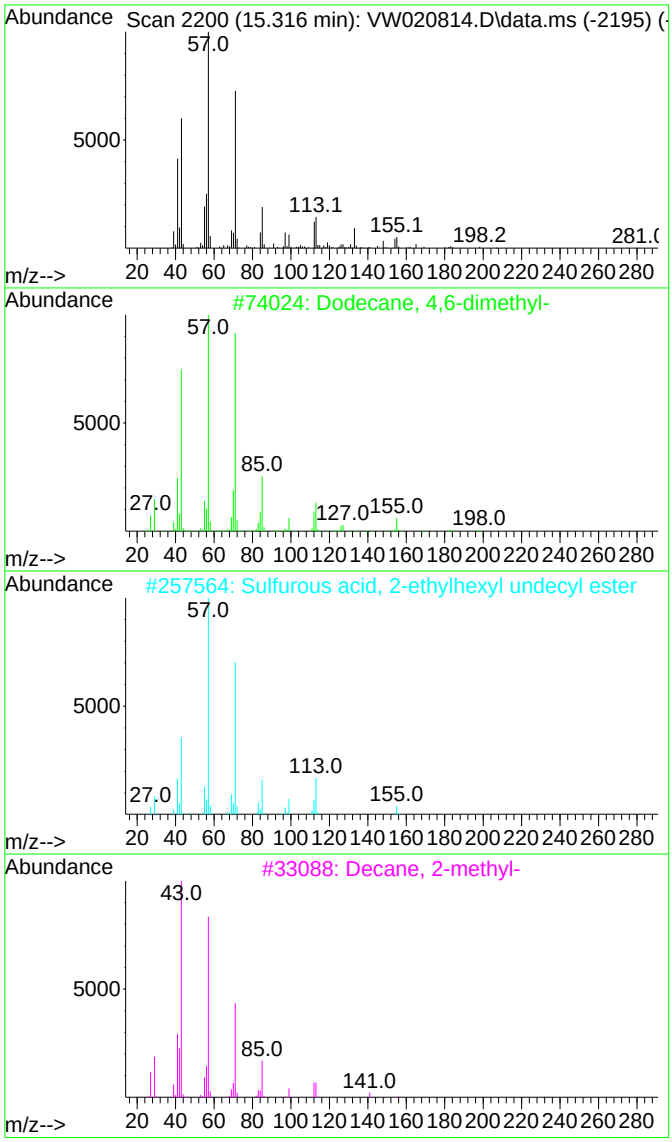
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

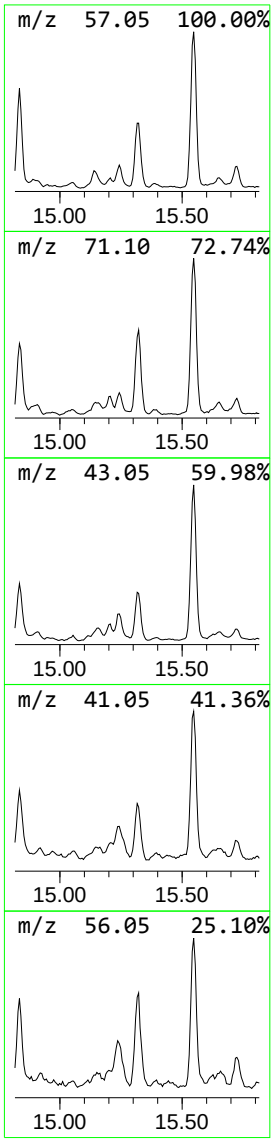
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	5.65 ug/L	202791	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	60
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

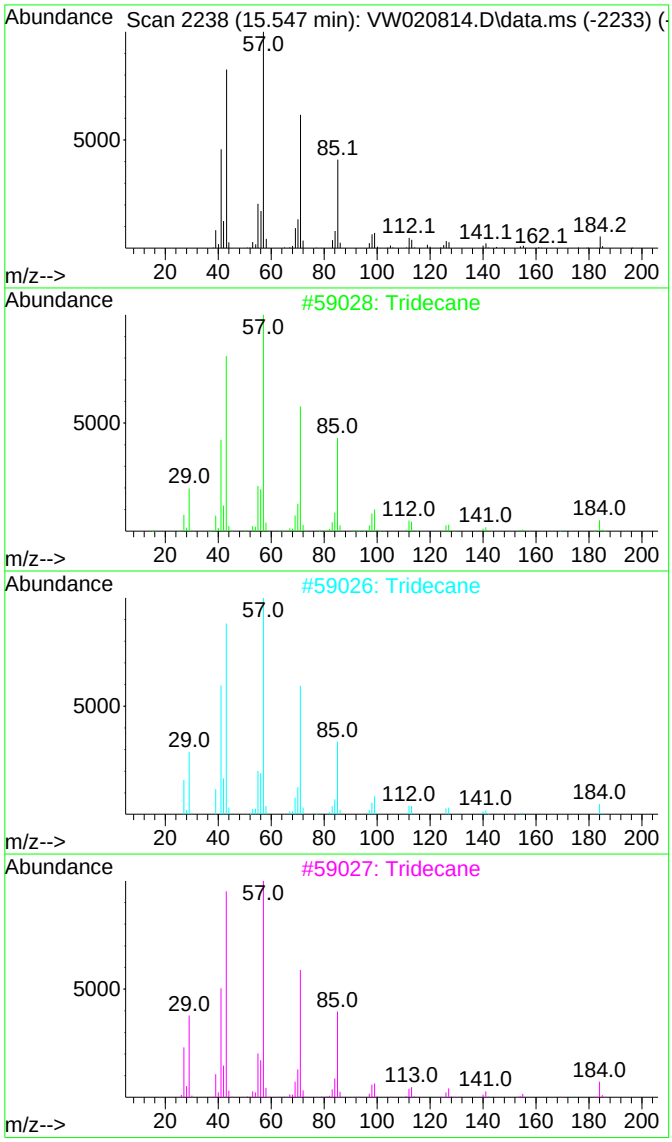
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

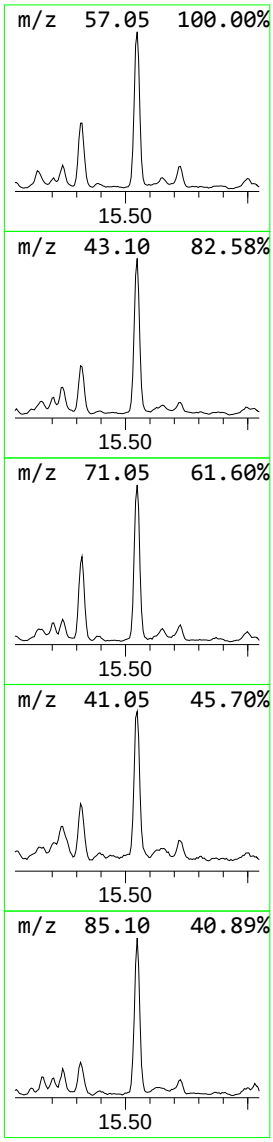
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.547	13.35 ug/L	479439	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	96
3	Tridecane	184	C13H28	000629-50-5	94
4	Tridecane	184	C13H28	000629-50-5	94
5	Tetradecane	198	C14H30	000629-59-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

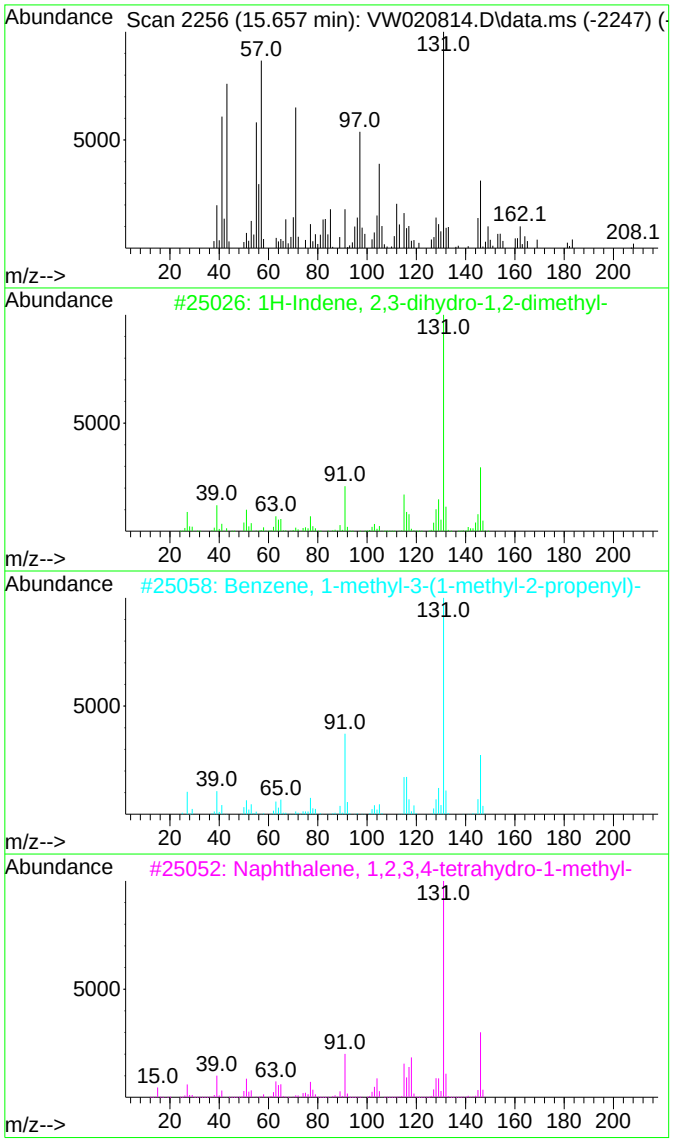
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

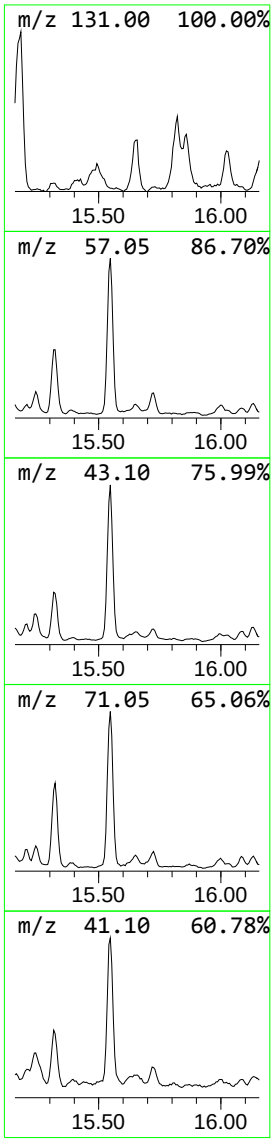
****

Peak Number 64 unknown-02 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.657	2.62 ug/L	93988	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

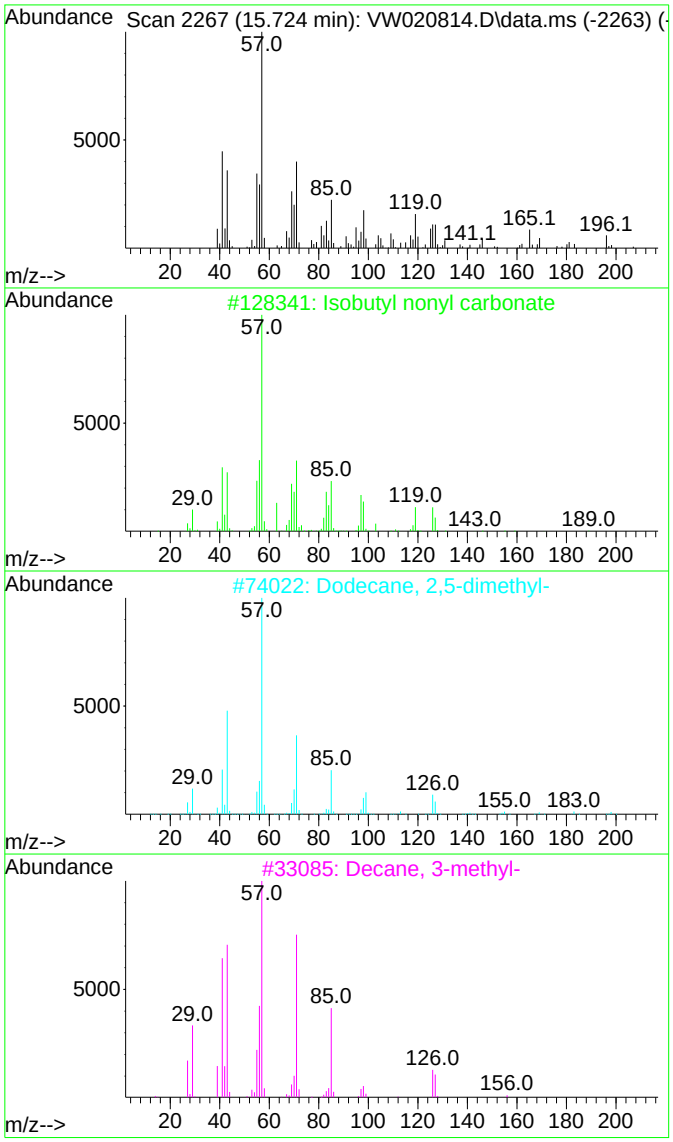
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

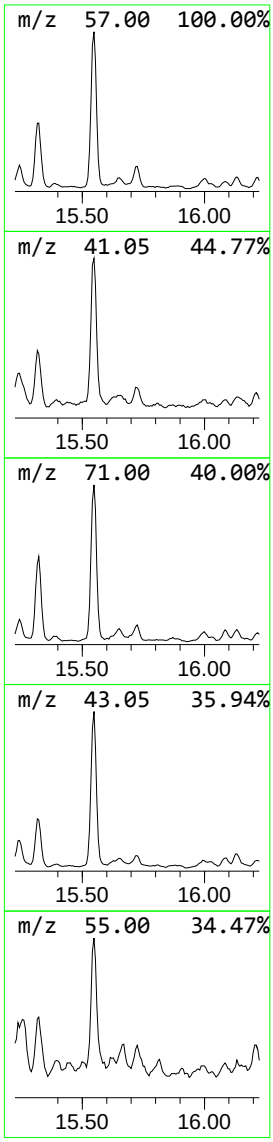
****

Peak Number 65 Isobutyl nonyl carbonate Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	2.19 ug/L	78619	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	72
2	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	64
3	Decane, 3-methyl-	156	C11H24	013151-34-3	47
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	35
5	Nonadecane	268	C19H40	000629-92-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

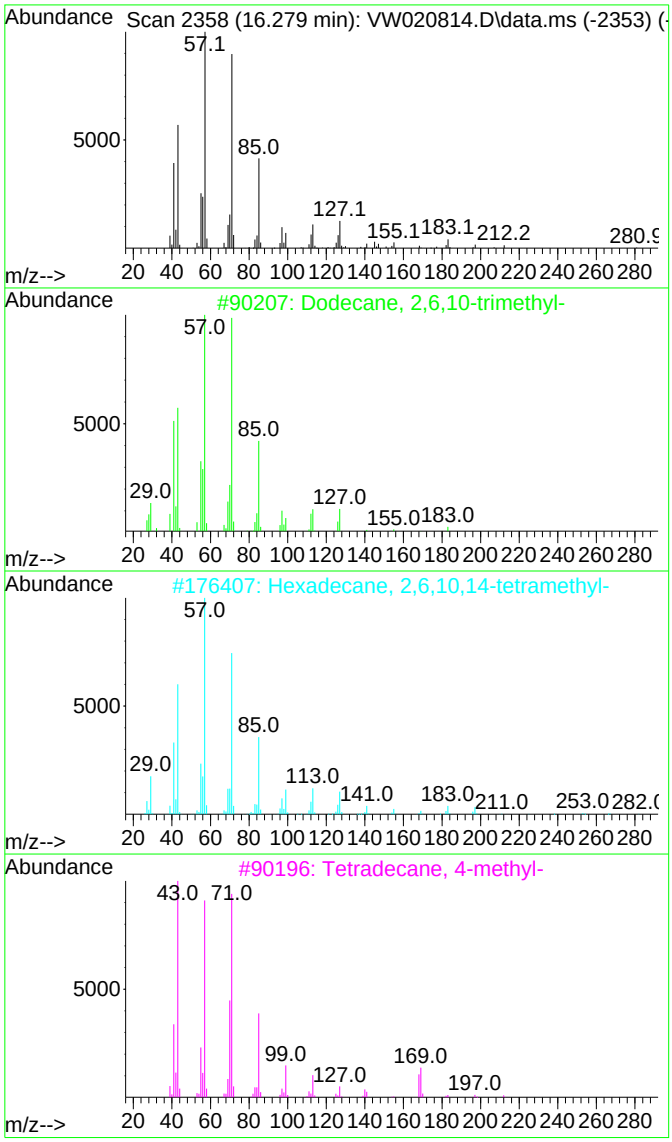
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

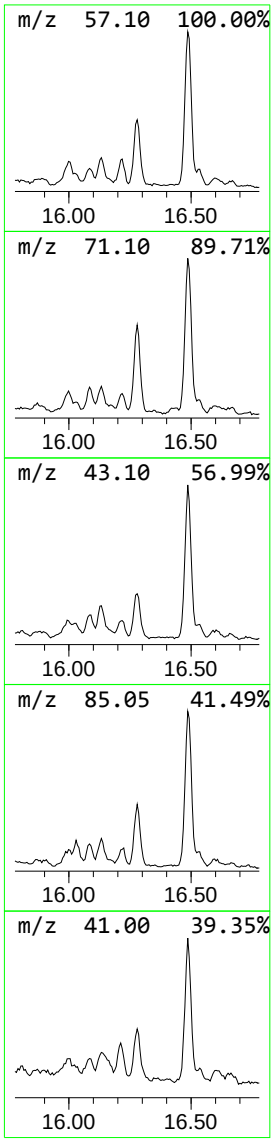
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	2.84 ug/L	101816	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

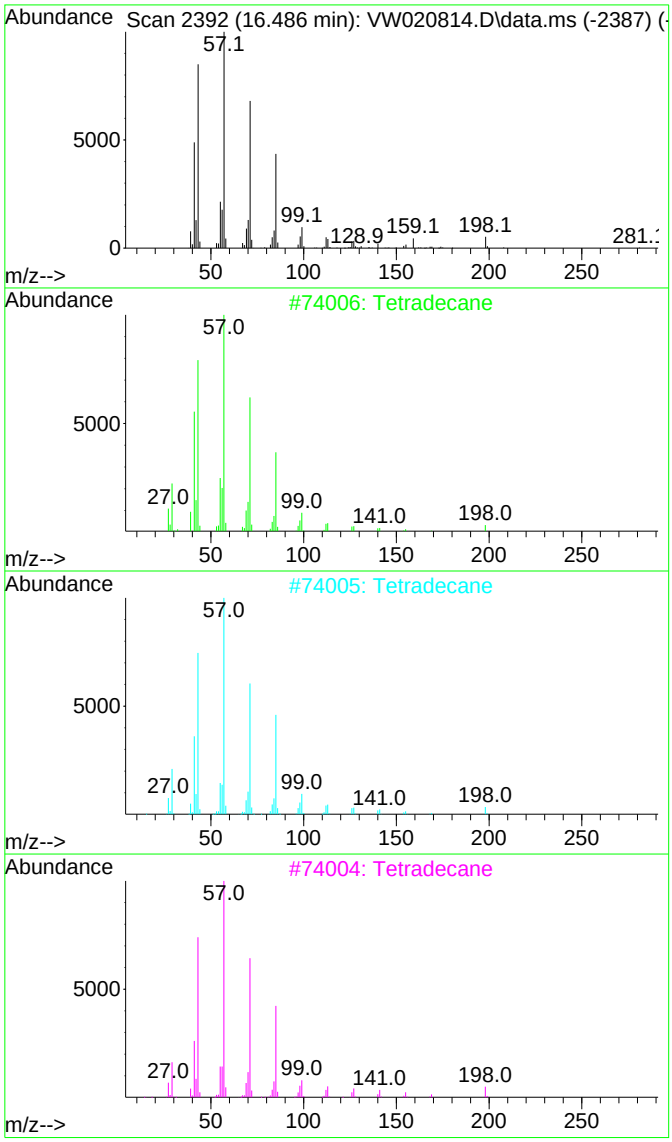
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

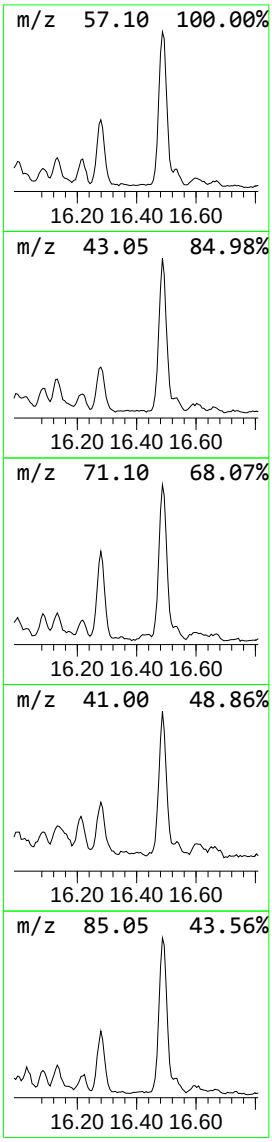
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	5.90 ug/L	211816	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	97
3	Tetradecane	198	C14H30	000629-59-4	94
4	Tridecane	184	C13H28	000629-50-5	87
5	Hexadecane	226	C16H34	000544-76-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020814.D
Acq On : 08 Nov 2021 16:32
Operator : SY/VA
Sample : M4464-12
Misc : 7.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.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...	4.958	27.1	ug/L	488682	1	8.841	451577	25.0
2-Ethyl-oxetane	5.939	63.9	ug/L	1155030	1	8.841	451577	25.0
(DEL) Alkane: S...	6.878	4.3	ug/L	78123	1	8.841	451577	25.0
(DEL) Alkane: C...	6.988	21.5	ug/L	388805	1	8.841	451577	25.0
2-Butanol	7.494	4.0	ug/L	72012	1	8.841	451577	25.0
(DEL) Alkane: S...	8.031	7.5	ug/L	136048	1	8.841	451577	25.0
(DEL) Alkane: S...	8.159	9.2	ug/L	166171	1	8.841	451577	25.0
(DEL) Alkane: S...	8.482	8.2	ug/L	147664	1	8.841	451577	25.0
(DEL) Alkane: C...	8.573	5.1	ug/L	91834	1	8.841	451577	25.0
(DEL) Alkane: S...	8.695	22.3	ug/L	401928	1	8.841	451577	25.0
1,4-Dioxane	9.445	5.3	ug/L	95437	1	8.841	451577	25.0
(DEL) Alkane: S...	9.756	6.2	ug/L	111070	1	8.841	451577	25.0
(DEL) Alkane: S...	9.896	6.3	ug/L	113917	1	8.841	451577	25.0
(DEL) Alkane: S...	9.957	8.2	ug/L	147855	1	8.841	451577	25.0
(DEL) Alkane: S...	10.097	6.8	ug/L	123422	1	8.841	451577	25.0
(DEL) Alkane: S...	10.506	12.2	ug/L	297736	2	11.634	611431	25.0
(DEL) Alkane: C...	11.176	4.7	ug/L	114257	2	11.634	611431	25.0
(DEL) Alkane: C...	11.231	5.5	ug/L	134969	2	11.634	611431	25.0
1-Fluorononane	11.335	2.9	ug/L	70702	2	11.634	611431	25.0
(DEL) Alkane: S...	11.408	14.6	ug/L	357808	2	11.634	611431	25.0
(DEL) Alkane: S...	11.512	9.6	ug/L	234767	2	11.634	611431	25.0
(DEL) Alkane: C...	11.914	6.8	ug/L	167375	2	11.634	611431	25.0
(DEL) Alkane: S...	11.975	3.5	ug/L	86298	2	11.634	611431	25.0
(DEL) Alkane: S...	12.060	5.2	ug/L	127589	2	11.634	611431	25.0
(DEL) Alkane: S...	12.249	27.8	ug/L	678874	2	11.634	611431	25.0
(DEL) Alkane: S...	12.365	74.3	ug/L	1818240	2	11.634	611431	25.0
(DEL) Alkane: S...	12.542	27.0	ug/L	660176	2	11.634	611431	25.0
(DEL) Alkane: S...	12.566	18.1	ug/L	442769	2	11.634	611431	25.0
4-Methyl-3-hept...	12.621	2.7	ug/L	96478	3	13.560	897805	25.0
(DEL) Alkane: C...	12.780	21.6	ug/L	774042	3	13.560	897805	25.0
Benzene, 1-ethy...	12.865	16.2	ug/L	580826	3	13.560	897805	25.0
(DEL) Alkane: S...	13.078	6.5	ug/L	232031	3	13.560	897805	25.0
(DEL) Alkane: C...	13.121	2.4	ug/L	86550	3	13.560	897805	25.0
(DEL) Alkane: S...	13.164	23.9	ug/L	857732	3	13.560	897805	25.0
(DEL) Alkane: S...	13.347	4.7	ug/L	168885	3	13.560	897805	25.0
Benzeneacetalde...	13.377	8.1	ug/L	290887	3	13.560	897805	25.0
p-Cymene	13.444	28.8	ug/L	1034830	3	13.560	897805	25.0
Benzene, 1-meth...	13.487	15.5	ug/L	555484	3	13.560	897805	25.0
(DEL) Alkane: S...	13.621	7.4	ug/L	264299	3	13.560	897805	25.0
Benzene, 1,3-di...	13.713	6.4	ug/L	230249	3	13.560	897805	25.0
Benzene, 1-meth...	13.749	11.6	ug/L	414721	3	13.560	897805	25.0
Benzene, 4-ethy...	13.792	14.3	ug/L	511763	3	13.560	897805	25.0
Benzene, 1-meth...	13.950	6.6	ug/L	236350	3	13.560	897805	25.0
Benzene, 2-ethy...	14.011	8.1	ug/L	290513	3	13.560	897805	25.0
o-Cymene	14.036	7.9	ug/L	284453	3	13.560	897805	25.0
Benzene, 1-ethy...	14.097	8.4	ug/L	301031	3	13.560	897805	25.0
Benzene, 1-ethy...	14.200	9.5	ug/L	341977	3	13.560	897805	25.0
unknown-01	14.261	3.2	ug/L	113889	3	13.560	897805	25.0
(DEL) Alkane: S...	14.340	7.5	ug/L	268244	3	13.560	897805	25.0
(DEL) Alkane: C...	14.383	8.8	ug/L	317499	3	13.560	897805	25.0
Benzene, 1,2,3,...	14.420	6.4	ug/L	229268	3	13.560	897805	25.0
Benzene, 1-ethy...	14.450	6.5	ug/L	234195	3	13.560	897805	25.0

(DEL) Alkane: S...	14.493	3.0	ug/L	106857	3	13.560	897805	25.0
Naphthalene, de...	14.542	4.4	ug/L	157177	3	13.560	897805	25.0
(DEL) Alkane: S...	14.718	17.8	ug/L	640388	3	13.560	897805	25.0
Benzene, 1,2,4,...	14.792	12.4	ug/L	444644	3	13.560	897805	25.0
(DEL) Alkane: S...	14.834	7.1	ug/L	256019	3	13.560	897805	25.0
Naphthalene, 1,...	14.956	2.1	ug/L	77260	3	13.560	897805	25.0
2,2-Dimethylind...	15.163	1.9	ug/L	67152	3	13.560	897805	25.0
(DEL) Alkane: S...	15.243	4.0	ug/L	145624	3	13.560	897805	25.0
(DEL) Alkane: S...	15.316	5.7	ug/L	202791	3	13.560	897805	25.0
(DEL) Alkane: S...	15.547	13.4	ug/L	479439	3	13.560	897805	25.0
unknown-02	15.657	2.6	ug/L	93988	3	13.560	897805	25.0
Isobutyl nonyl ...	15.724	2.2	ug/L	78619	3	13.560	897805	25.0
(DEL) Alkane: S...	16.279	2.8	ug/L	101816	3	13.560	897805	25.0
(DEL) Alkane: S...	16.486	5.9	ug/L	211816	3	13.560	897805	25.0

Instrument :
MSVOA_W
ClientSampleId :
GB7L0