LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

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\SFAMWLM100621SMA.M
Title : SFAM01.0

Signal : TIC: VW020345.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.026	176	184	196	rBV	157656	362492	2.37%	0.216%
2	3.391	233	244	258	rBV	325745	775198	5.06%	0.462%
3	4.019	333	347	357	rBV	137609	398948	2.60%	0.238%
4	4.964	480	502	519	rBV	865488	3474139	22.67%	2.071%
5	5.440	564	580	610	rBV	589395	2038548	13.30%	1.215%
6	5.946	647	663	681	rBV	1366640	4099769	26.75%	2.444%
7	6.293	713	720	733	rVB	89348	265287	1.73%	0.158%
8	6.879	805	816	824	rBV	88374	275089	1.79%	0.164%
9	6.988	824	834	845	rVV	1207908	3530176	23.03%	2.104%
10	7.653	930	943	947	rBV	214957	611784	3.99%	0.365%
11	7.702	947	951	960	rVB	211679	480387	3.13%	0.286%
12	7.933	979	989	1000	rBV4	1374378	5361284	34.98%	3.196%
13	8.037	1000	1006	1017	rVB	566101	1539028	10.04%	0.917%
14	8.159	1017	1026	1033	rBV	2022366	4563976	29.78%	2.721%
15	8.226	1033	1037	1041	rVV	328403	719502	4.69%	0.429%
16	8.281	1041	1046	1059	rVV2	367412	1055205	6.89%	0.629%
17	8.439	1062	1072	1078	rVV2	1346809	3265319	21.31%	1.947%
18	8.512	1078	1084	1089	rVV	1154072	2650000	17.29%	1.580%
19	8.580	1089	1095	1105	rVB	2051541	4573233	29.84%	2.726%
20	8.695	1105	1114	1128	rVB	3486416	6903101	45.04%	4.115%
21	8.842	1128	1138	1143	rBV2	750917	1725857	11.26%	1.029%
22	8.884	1143	1145	1152	rVB	209454	349794	2.28%	0.209%
23	9.098	1170	1180	1200	rVB4	270251	986934	6.44%	0.588%
24	9.342	1201	1220	1227	rBV	5817263	15325406	100.00%	9.136%
25	9.518	1237	1249	1256	rBV	1242711	2419216	15.79%	1.442%
26	9.610	1256	1264	1271	rVB	1029297	2083343	13.59%	1.242%
27	9.756	1281	1288	1298	rVB	1370217	2705775	17.66%	1.613%
28	9.854	1298	1304	1308	rBV	668285	1188616	7.76%	0.709%
29	9.902	1308	1312	1316	rVV2	454461	821307	5.36%	0.490%
30	9.957	1316	1321	1337	rVB2	2259881	5175596	33.77%	3.085%
31	10.098	1337	1344	1355	rVB2	1419734	3480350	22.71%	2.075%
32	10.207	1355	1362	1366	rBV	599459	1190961	7.77%	0.710%
33	10.323	1374	1381	1385	rBV	3271521	6121466	39.94%	3.649%
34	10.366	1385	1388	1396	rVB2	1083703	1740778	11.36%	1.038%
35	10.451	1396	1402	1404	rBV	549557	901720	5.88%	0.538%
36	10.506	1404	1411	1418	rVB4	2704719	6061410	39.55%	3.613%

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Instrument : MSVOA_W
ClientSampleId : EW913

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\SFAMWLM100621SMA.M
Title : SFAM01.0

37	10.573	1418	1422	1425	rBV2	212783	349302	2.28%	0.208%
38	10.622	1425	1430	1433	rVV3	241038	362872	2.37%	0.216%
39	10.665	1433	1437	1444	rVB	1771426	3151412	20.56%	1.879%
40	10.756	1444	1452	1459	rBV4	1272216	3364037	21.95%	2.005%
41	10.847	1462	1467	1472	rVB2	374868	725736	4.74%	0.433%
42	10.939	1472	1482	1487	rBV2	863613	1766618	11.53%	1.053%
43	11.024	1487	1496	1499	rBV4	416710	1233697	8.05%	0.735%
44	11.103	1505	1509	1512	rBV2	721343	1146995	7.48%	0.684%
45	11.146	1512	1516	1518	rVV2	744792	1334095	8.71%	0.795%
46	11.183	1518	1522	1526	rVV	2143802	3580870	23.37%	2.135%
47	11.231	1526	1530	1535	rVV	1945515	3388573	22.11%	2.020%
48	11.286	1535	1539	1543	rVV3	489811	831905	5.43%	0.496%
49	11.335	1543	1547	1552	rVB2	828978	1399399	9.13%	0.834%
50	11.439	1552	1564	1572	rBV6	874416	2960766	19.32%	1.765%
51	11.512	1572	1576	1580	rBV	940974	1460893	9.53%	0.871%
52	11.555	1580	1583	1591	rVB4	315429	665802	4.34%	0.397%
53	11.634	1591	1596	1600	rBV2	676414	1197483	7.81%	0.714%
54	11.731	1607	1612	1615	rBV2	998964	1609448	10.50%	0.959%
55	11.768	1615	1618	1621	rVV2	417539	641511	4.19%	0.382%
56	11.811	1621	1625	1630	rVV3	622716	1237859	8.08%	0.738%
57	11.878	1630	1636	1639	rVV2	835136	1654191	10.79%	0.986%
58	11.914	1640	1642	1647	rVB2	669383	969938	6.33%	0.578%
59	12.036	1656	1662	1666	rBV	239368	503168	3.28%	0.300%
60	12.140	1673	1679	1686	rBV	927540	2114524	13.80%	1.261%
61	12.250	1691	1697	1701	rVB2	594270	1135632	7.41%	0.677%
62	12.304	1701	1706	1707	rBV2	263102	391176	2.55%	0.233%
63	12.341	1707	1712	1715	rBV	980931	1701560	11.10%	1.014%
64	12.463	1728	1732	1736	rBV2	178740	268685	1.75%	0.160%
65	12.536	1736	1744	1747	rVV6	260171	567354	3.70%	0.338%
66	12.652	1759	1763	1766	rVV	237106	318322	2.08%	0.190%
67	12.695	1766	1770	1776	rVB	478620	752215	4.91%	0.448%
68	12.780	1779	1784	1792	rBV3	618879	1362401	8.89%	0.812%
69	12.865	1792	1798	1801	rBV6	290805	563812	3.68%	0.336%
70	12.939	1806	1810	1816	rVV3	793771	1690383	11.03%	1.008%
71	12.993	1816	1819	1824	rVB2	200630	289738	1.89%	0.173%
72	13.103	1824	1837	1843	rBV	1016100	2235096	14.58%	1.332%
73	13.164	1843	1847	1857	rVB4	414133	921933	6.02%	0.550%
74	13.256	1858	1862	1865	rBV3	137321	232923	1.52%	0.139%
75	13.445	1887	1893	1897	rVV2	645600	1175606	7.67%	0.701%
76	13.493	1897	1901	1908	rVV2	377113	699711	4.57%	0.417%

LSC Area Percent Report

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Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

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\SFAMWLM100621SMA.M
Title : SFAM01.0

77	13.554	1908	1911	1914	rVV2	222258	307795	2.01%	0.183%
78	13.719	1932	1938	1940	rBV2	255437	442280	2.89%	0.264%
79	13.755	1940	1944	1947	rVV2	566167	1007509	6.57%	0.601%
80	13.792	1947	1950	1957	rVV3	493513	902841	5.89%	0.538%
81	13.877	1958	1964	1969	rVB3	617045	1132865	7.39%	0.675%
82	13.951	1972	1976	1981	rVB	256238	348480	2.27%	0.208%
83	14.011	1982	1986	1995	rVB3	277115	493247	3.22%	0.294%
84	14.097	1995	2000	2004	rVB	721597	1006052	6.56%	0.600%
85	14.207	2012	2018	2023	rVB2	1046940	1704103	11.12%	1.016%
86	14.341	2034	2040	2043	rBV3	249039	450751	2.94%	0.269%
87	14.383	2043	2047	2050	rVV3	252818	395117	2.58%	0.236%
88	14.420	2050	2053	2056	rVV2	191101	257540	1.68%	0.154%
89	14.457	2056	2059	2062	rVB	202141	251681	1.64%	0.150%
90	14.499	2062	2066	2069	rBV	303779	398459	2.60%	0.238%
91	14.542	2069	2073	2080	rVB4	319524	640187	4.18%	0.382%
92	14.639	2085	2089	2093	rVB	191691	280051	1.83%	0.167%
93	14.688	2093	2097	2101	rBV3	284018	541671	3.53%	0.323%
94	14.731	2101	2104	2108	rVB2	192677	272627	1.78%	0.163%
95	14.792	2108	2114	2122	rBV2	1047445	2534955	16.54%	1.511%
96	15.060	2149	2158	2162	rBV2	393401	845743	5.52%	0.504%
97	15.176	2170	2177	2184	rVB2	501971	1112722	7.26%	0.663%
98	15.322	2195	2201	2211	rVB6	212447	463960	3.03%	0.277%
99	15.517	2229	2233	2248	rVB5	170442	515444	3.36%	0.307%
100	15.651	2248	2255	2262	rBV4	104863	259605	1.69%	0.155%

Sum of corrected areas: 167744320

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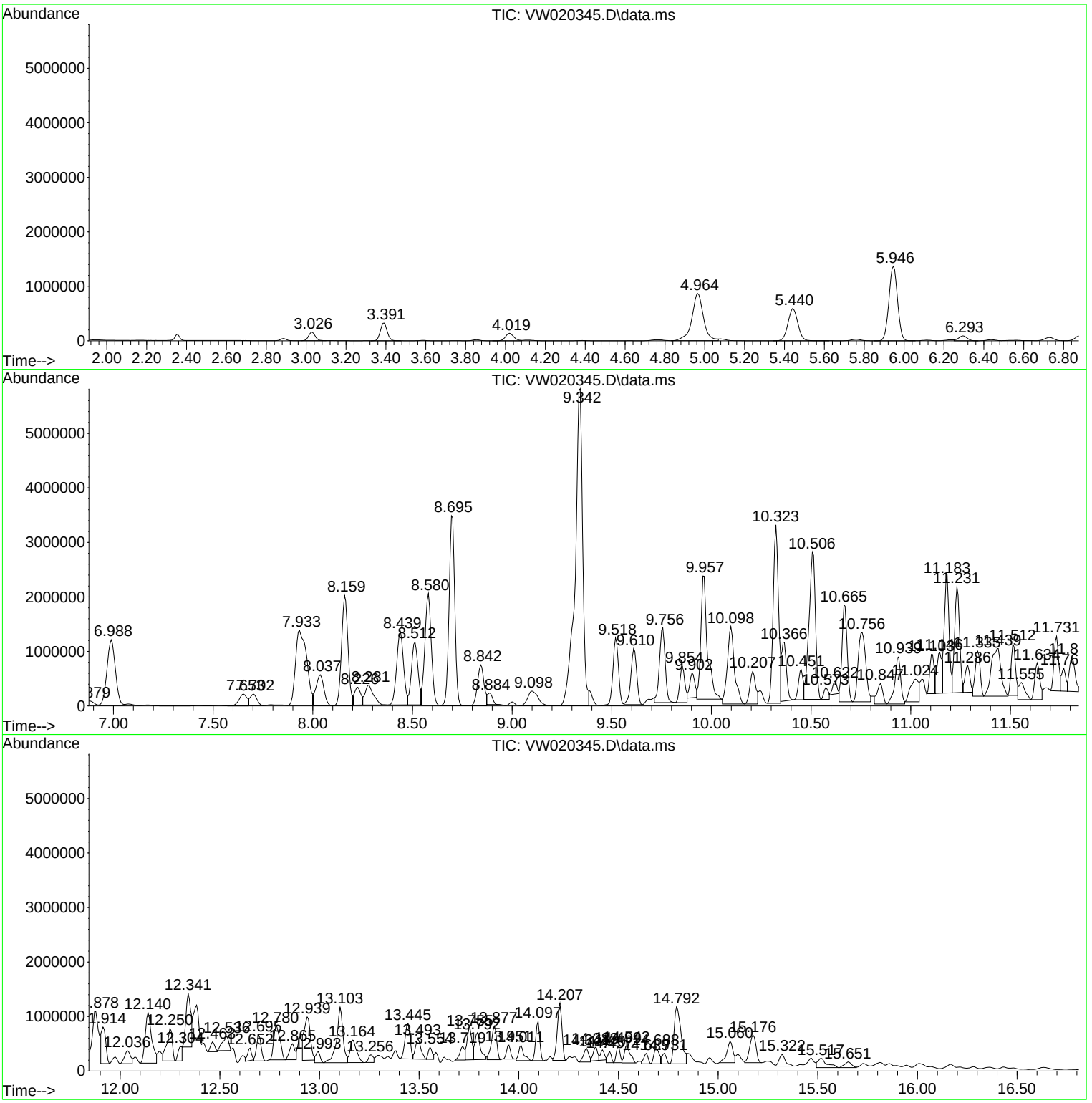
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

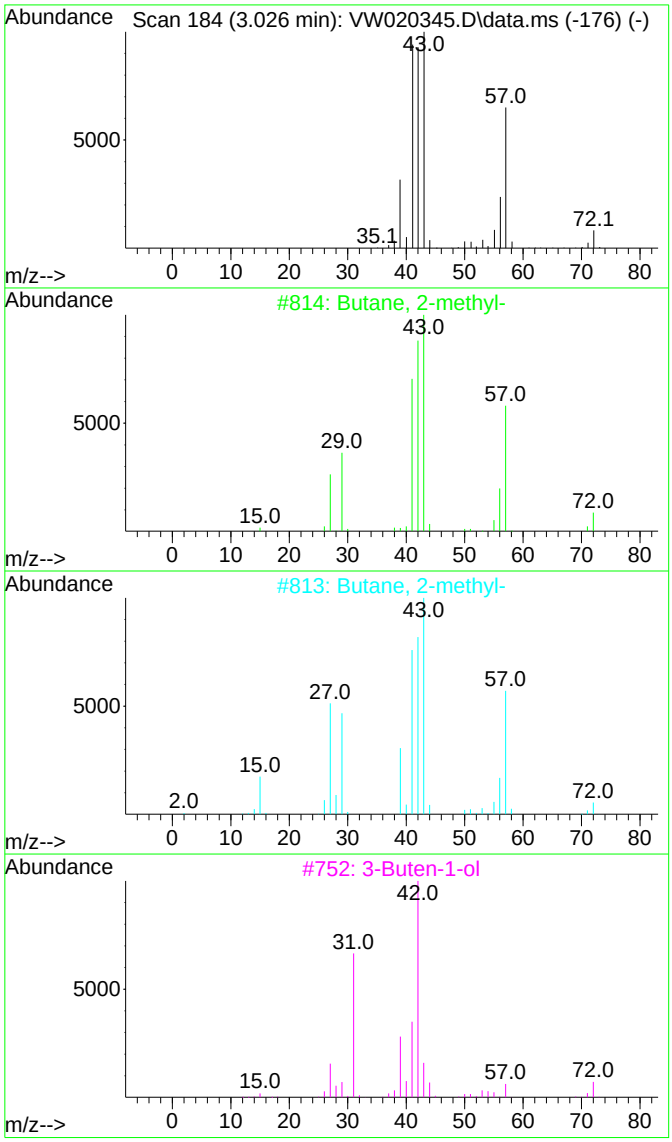
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

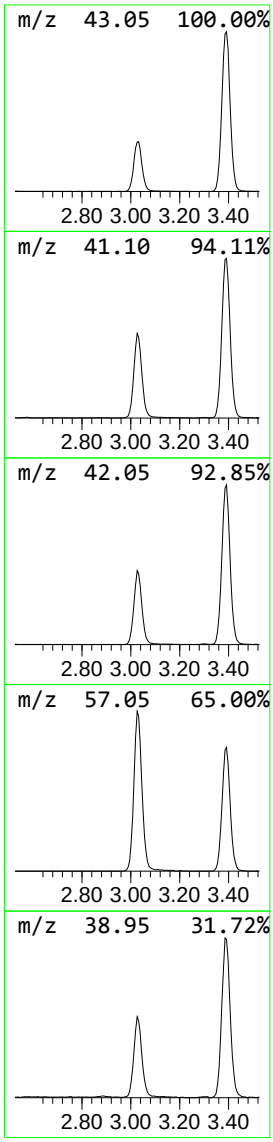
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.026	5.25 ug/L	362492	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Pentane	72	C5H12	000109-66-0	42
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

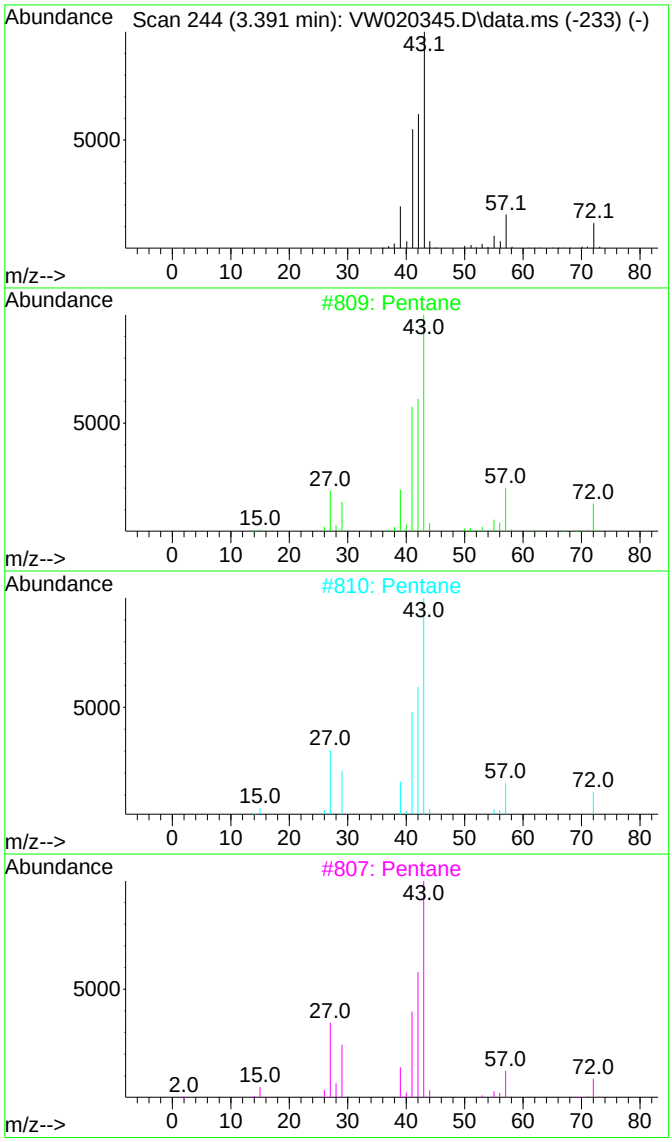
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

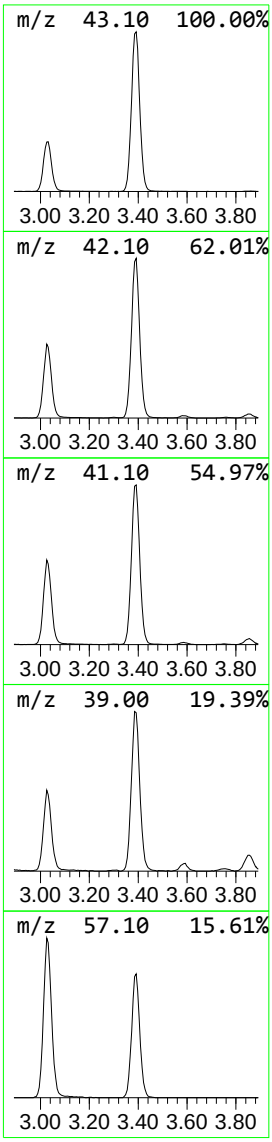
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.391	11.23 ug/L	775198	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	Pentane	72	C5H12	000109-66-0	64





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Instrument :
MSVOA_W
ClientSampleId :
EW913

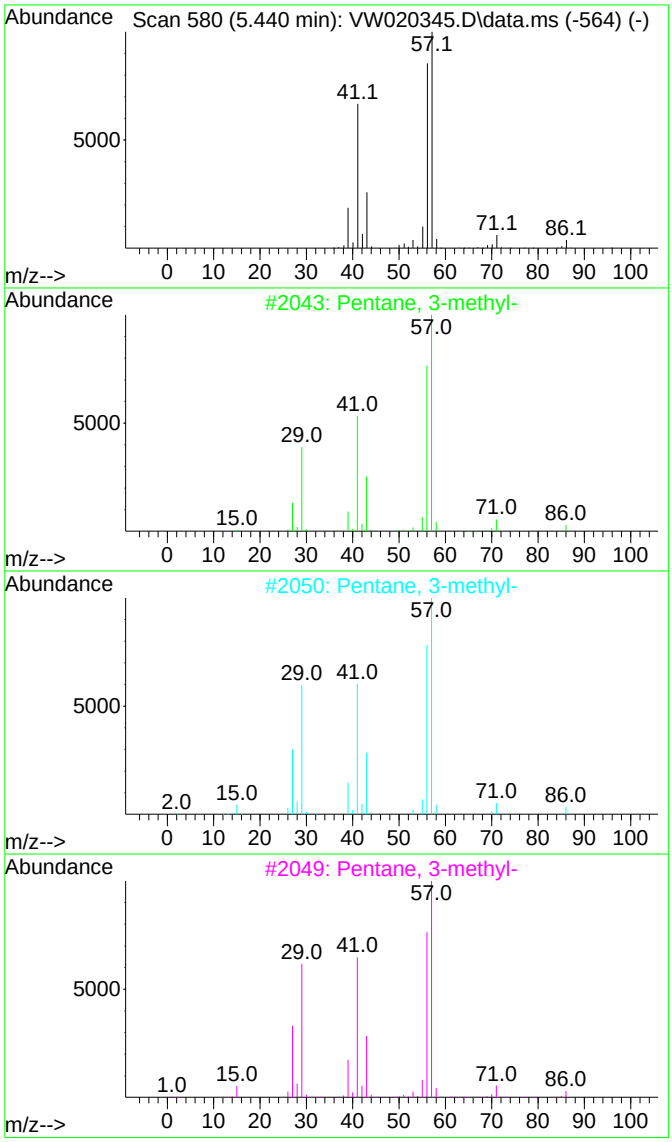
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

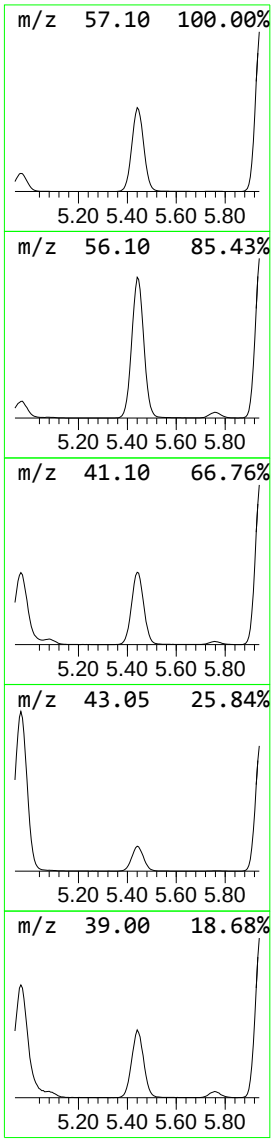
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.440	29.53 ug/L	2038550	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





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Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

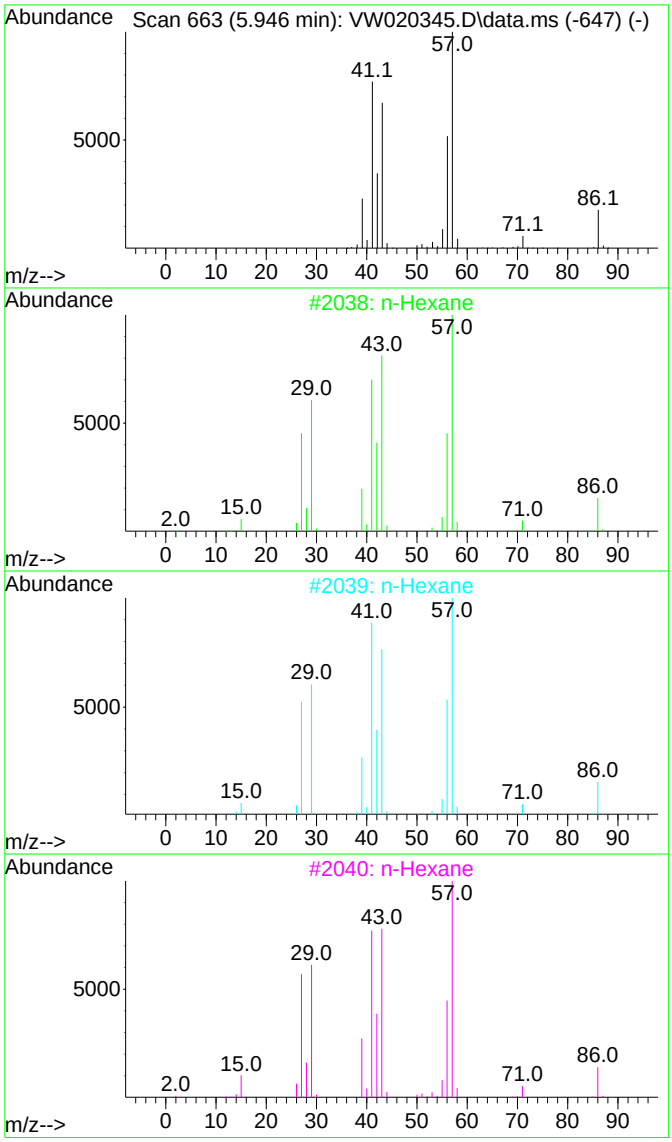
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

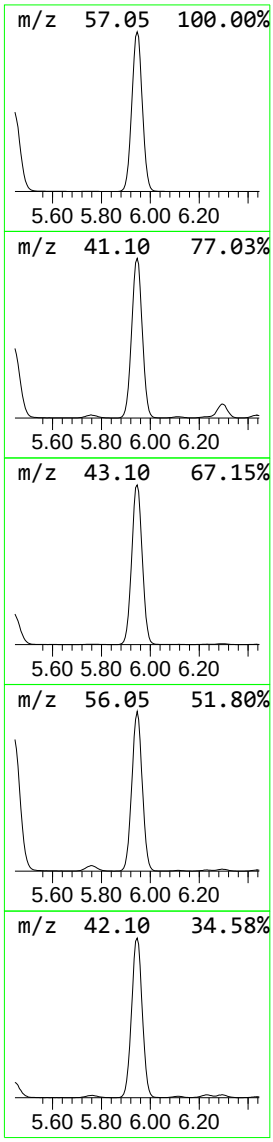
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	59.39 ug/L	4099770	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	78
5	n-Hexane	86	C6H14	000110-54-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

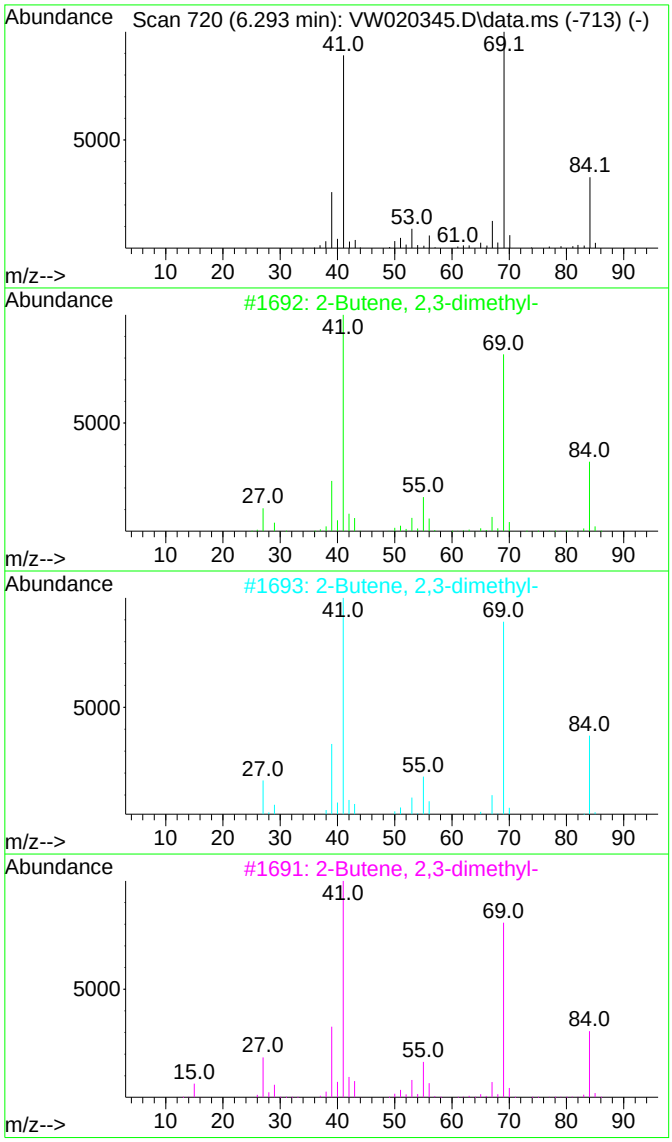
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

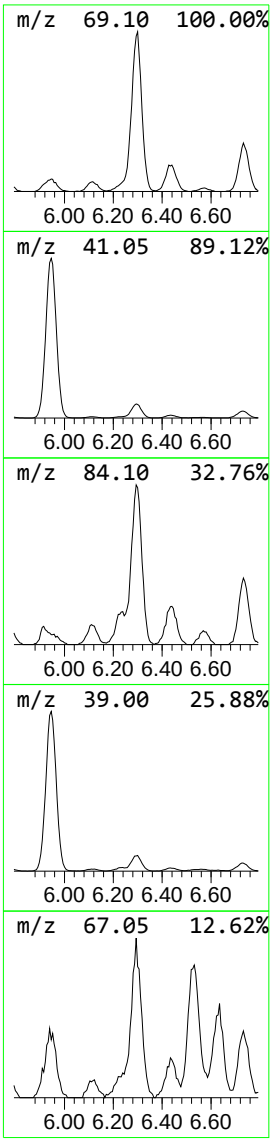
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.293	3.84 ug/L	265287	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	87
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

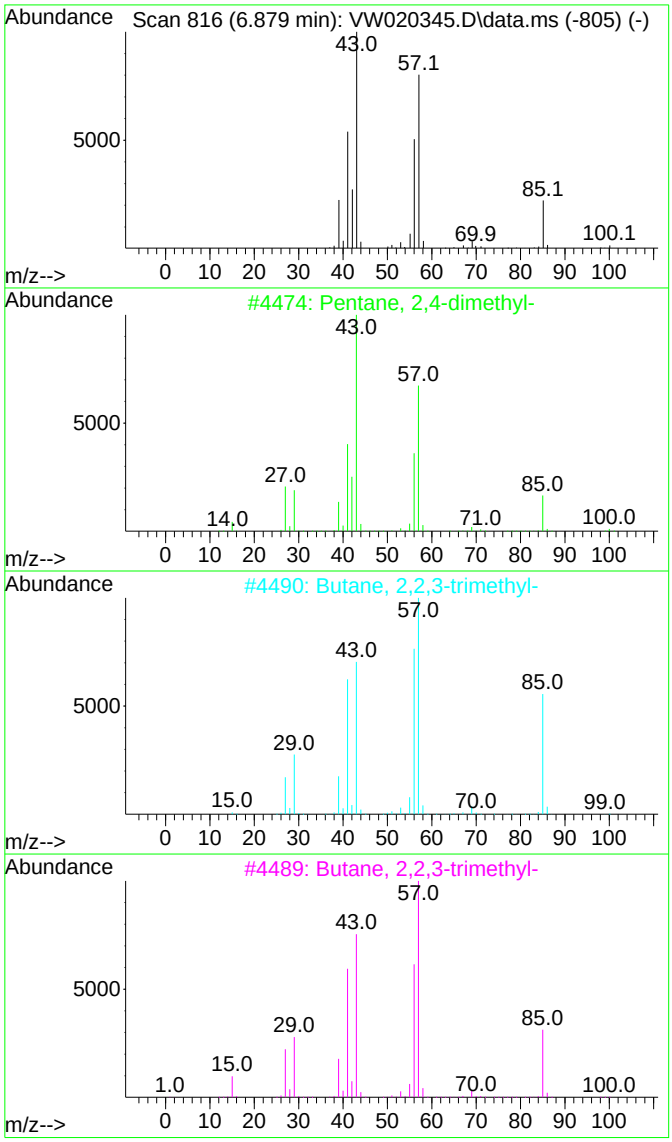
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

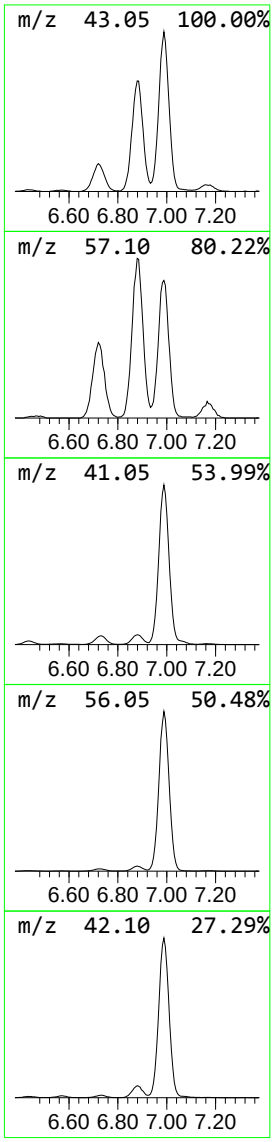
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	3.98 ug/L	275089	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

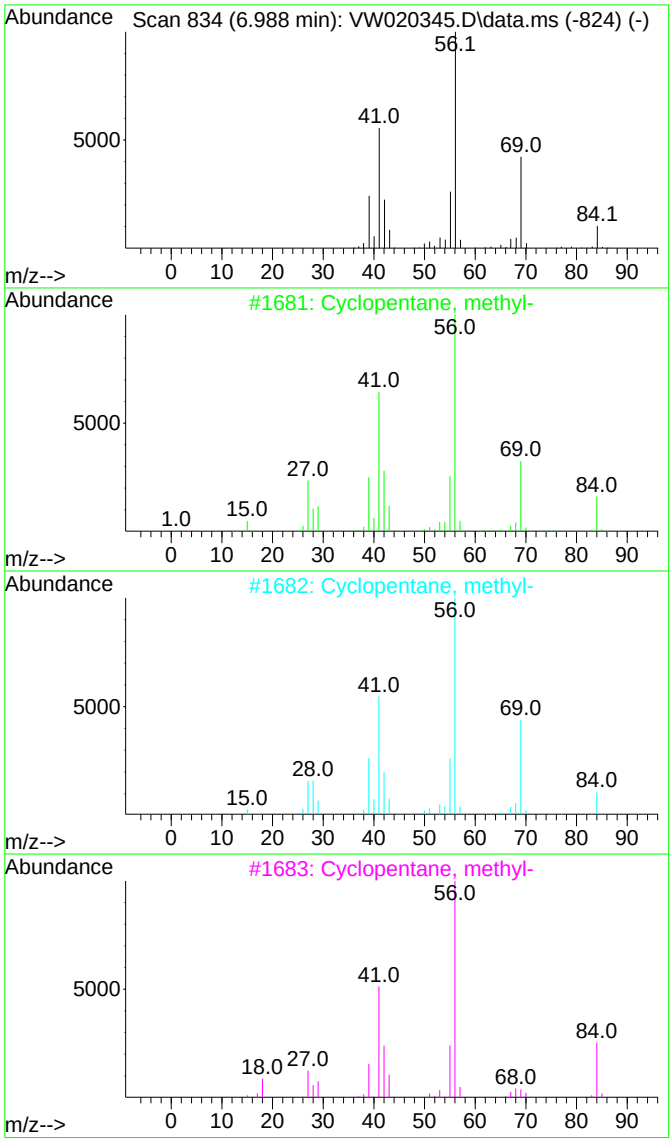
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

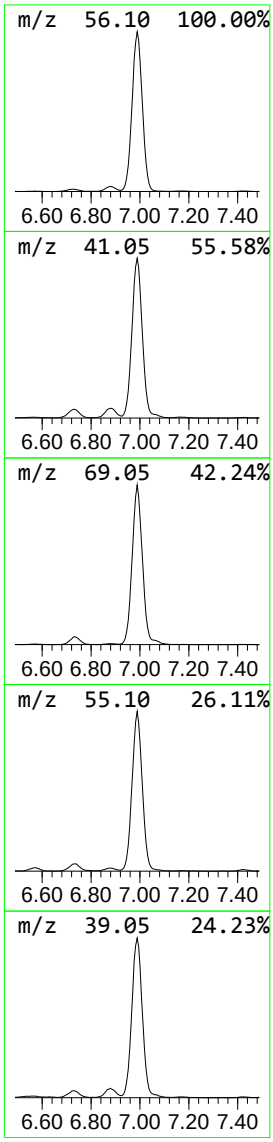
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic6.988 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	51.14 ug/L	3530180	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

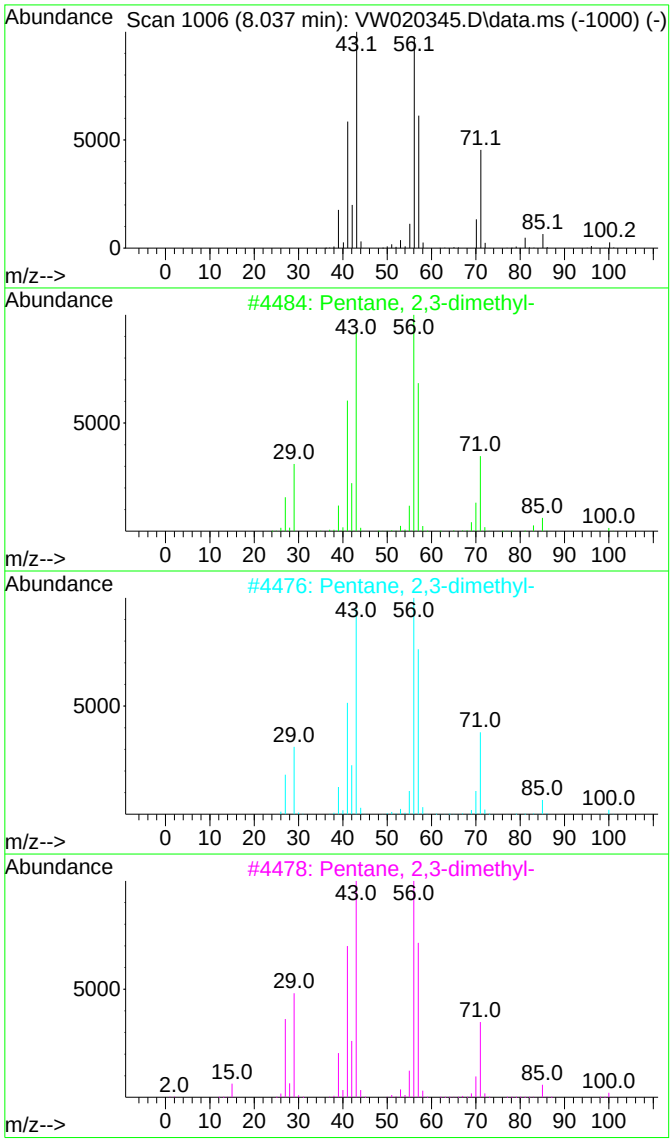
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

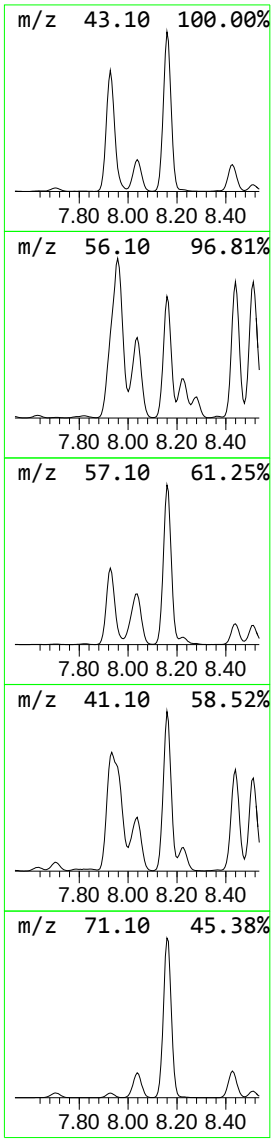
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	22.29 ug/L	1539030	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

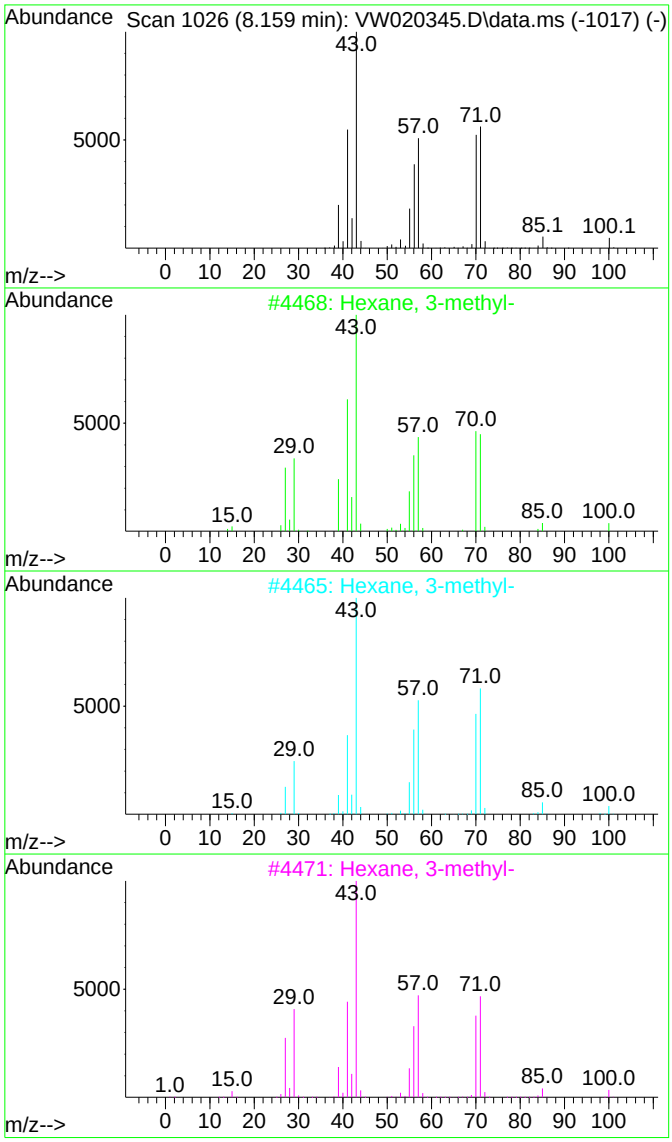
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

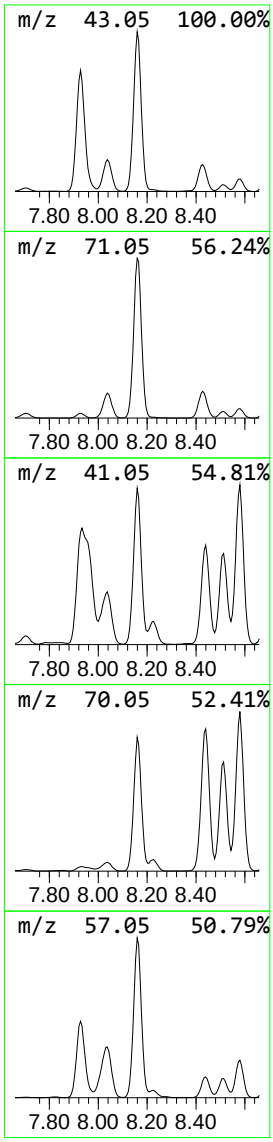
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	66.11 ug/L	4563980	1,4-Difluorobenzene	8.848

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	94
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

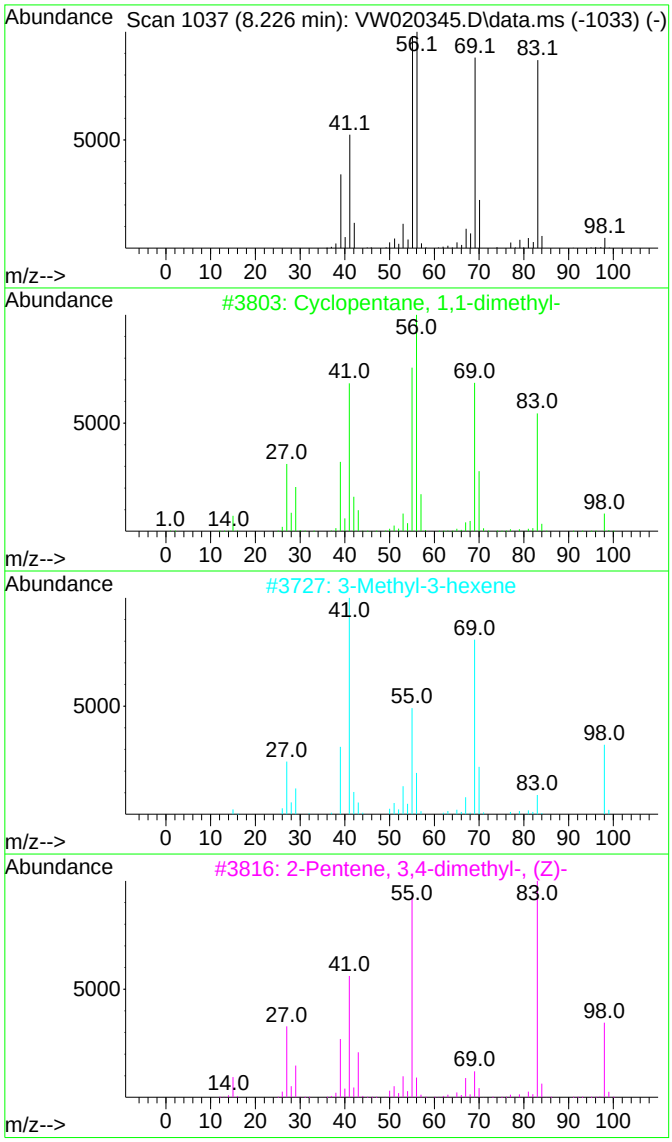
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

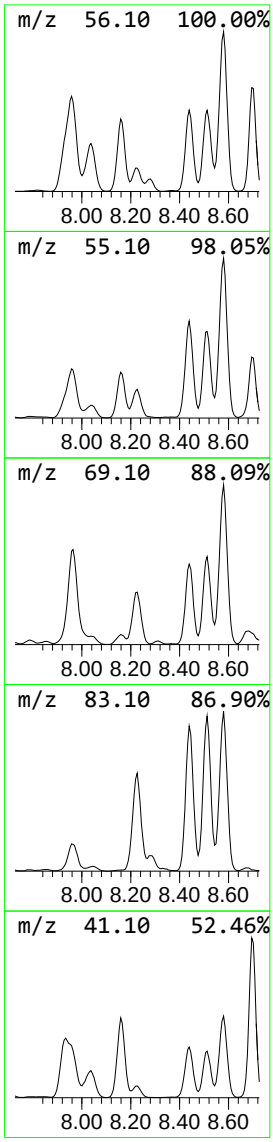
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic8.226 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.226	10.42 ug/L	719502	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	78
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	38
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	38
4	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	38
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

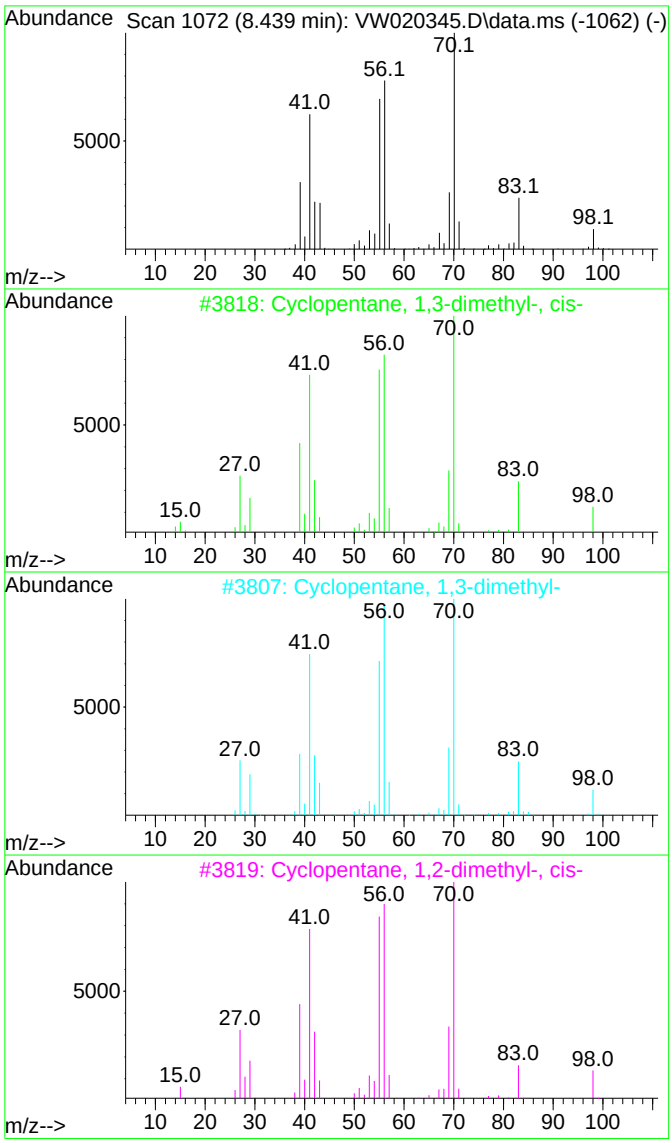
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

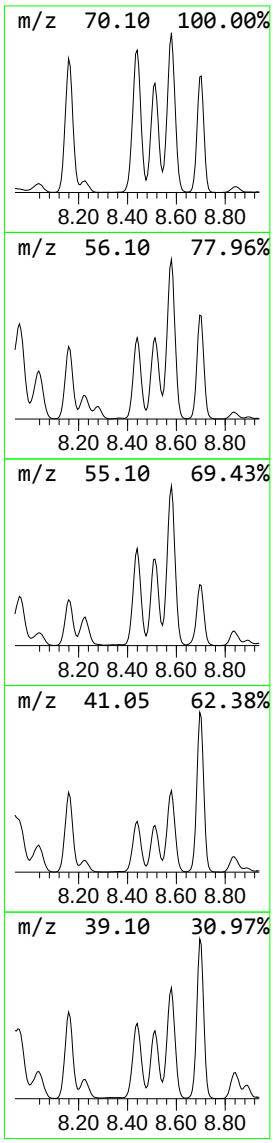
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic8.439 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	47.30 ug/L	3265320	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	97
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

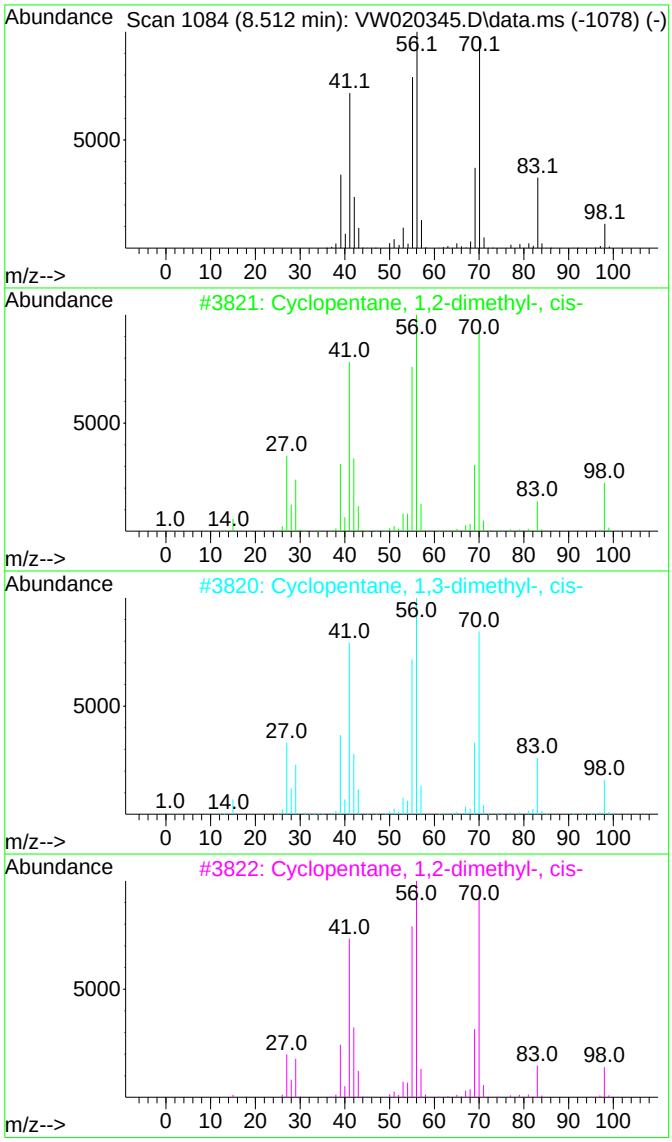
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

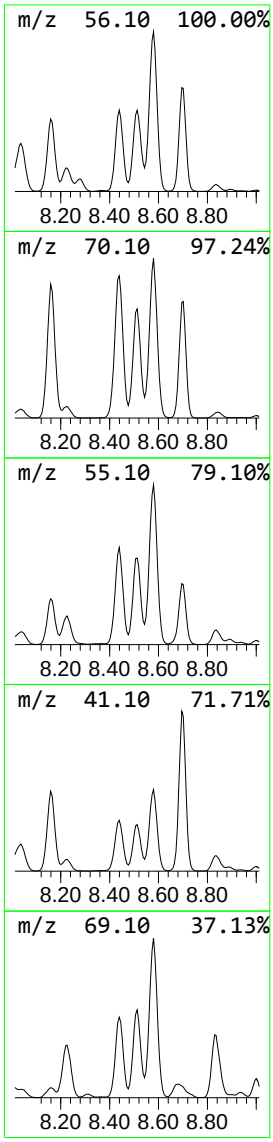
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic8.512 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	38.39 ug/L	2650000	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

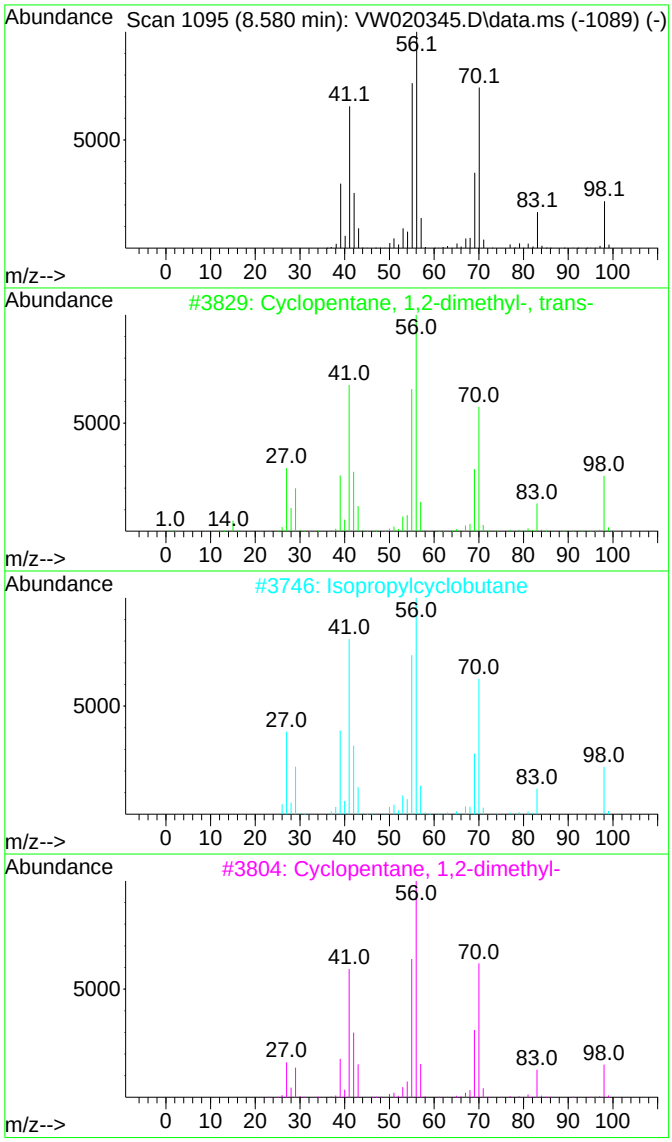
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

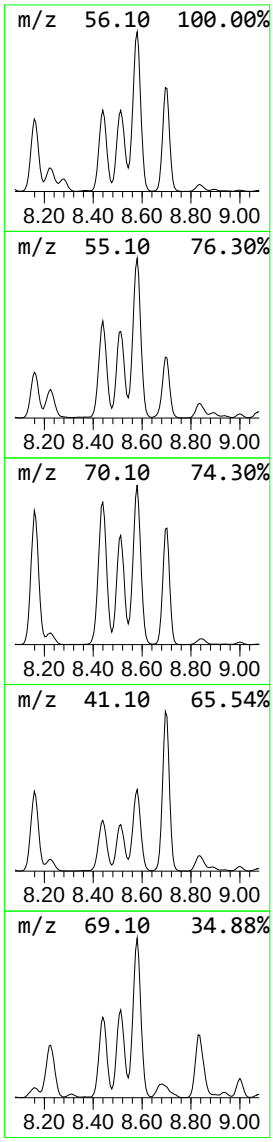
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic8.580 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.580	66.25 ug/L	4573230	1,4-Difluorobenzene	8.848

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

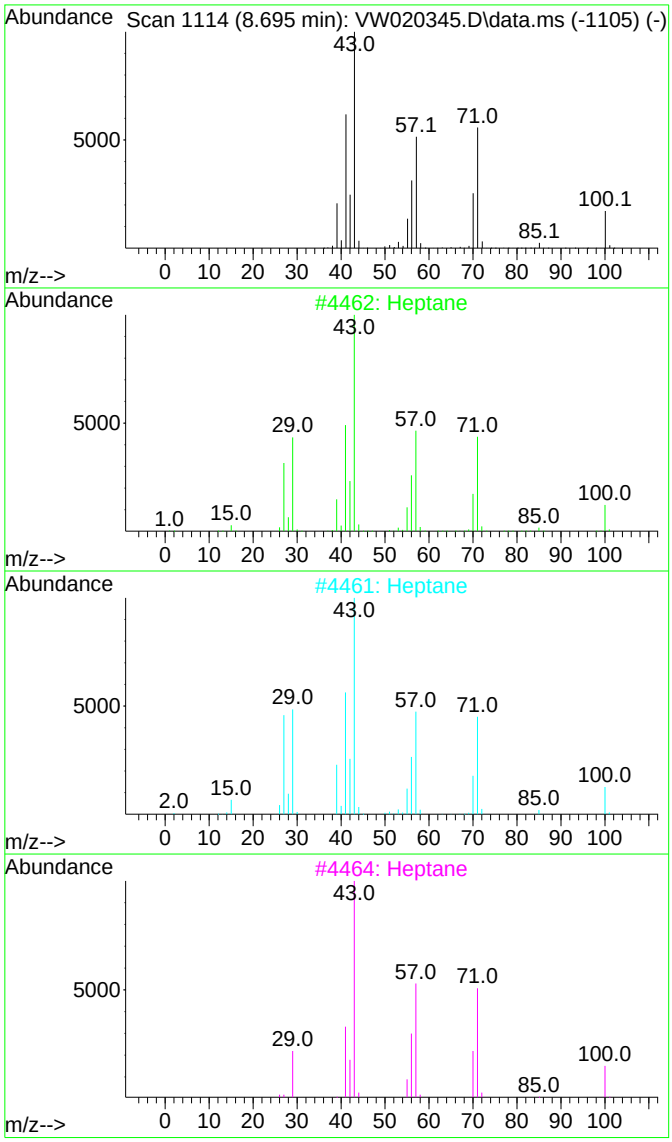
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

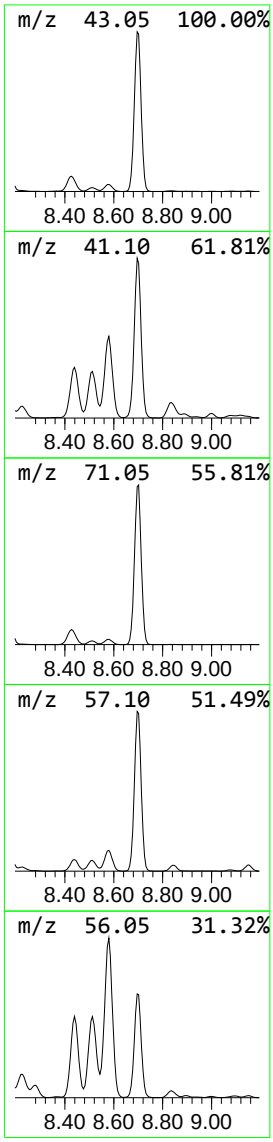
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	100.00 ug/L	6903100	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	68
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

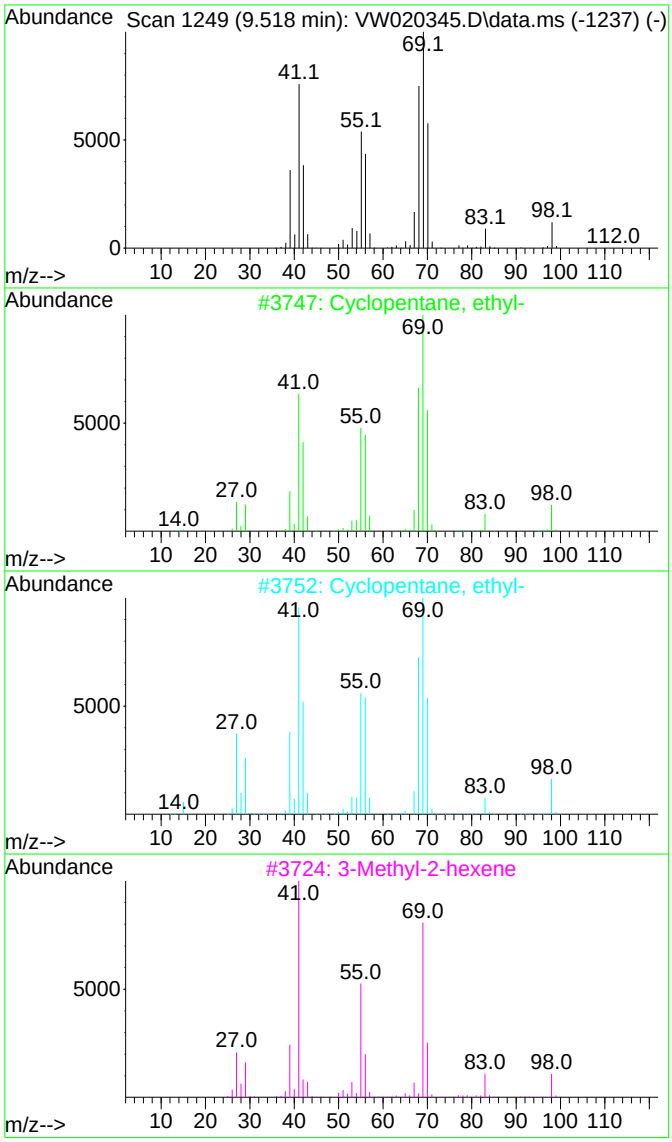
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

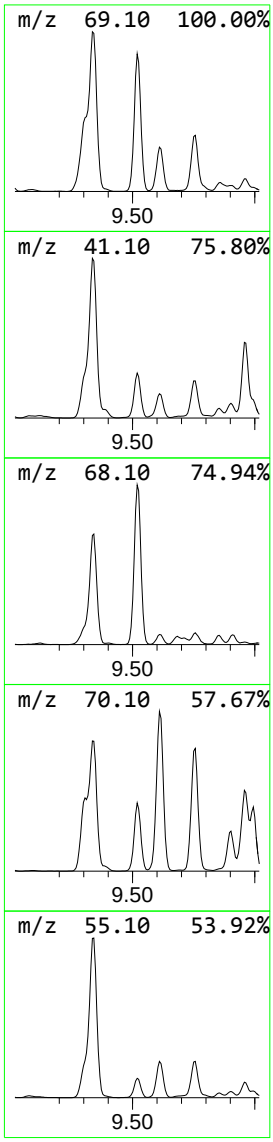
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic9.518 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.518	35.04 ug/L	2419220	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	97
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	96
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	43
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
5	Butanedinitrile, 2,3-diamino-2,3...	138	C6H10N4	082929-43-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

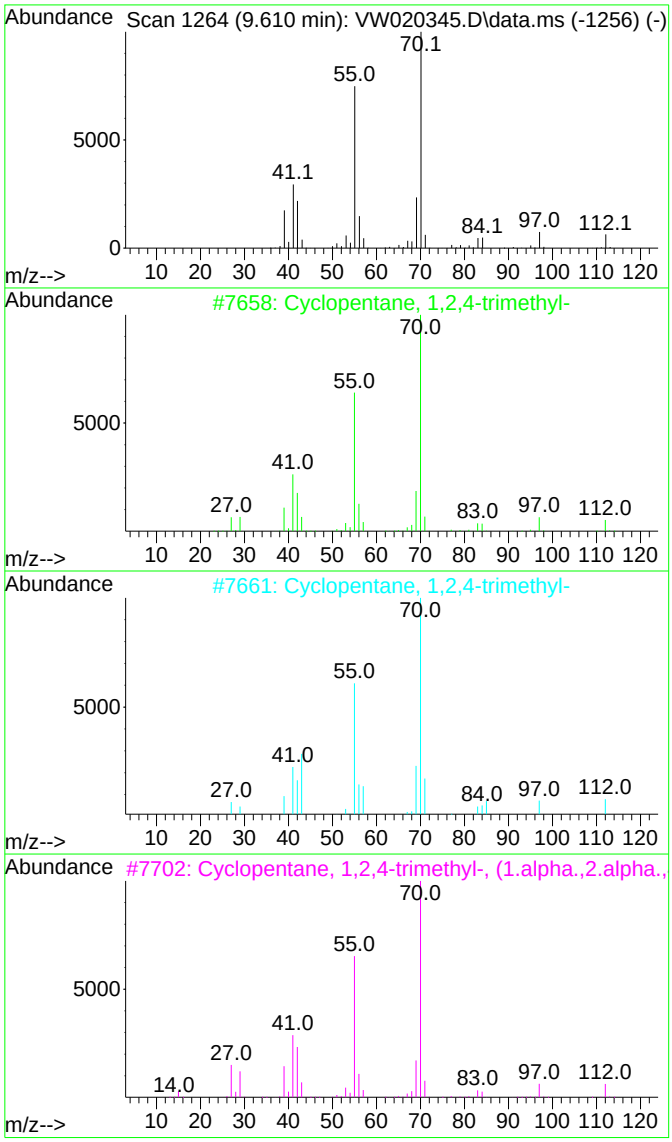
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

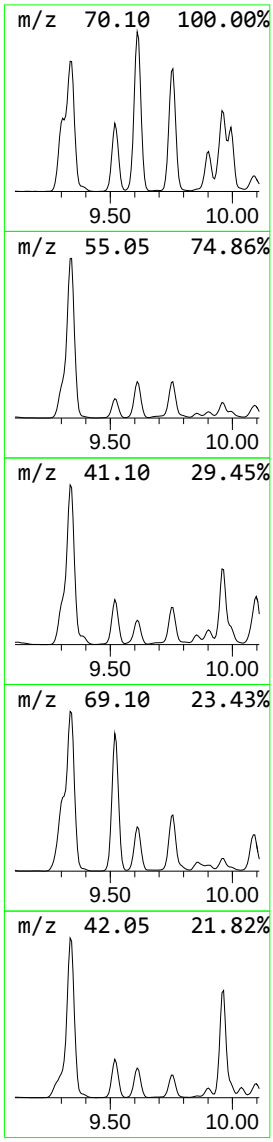
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic9.610 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	30.18 ug/L	2083340	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	74
4	1,2-Oxaborolane, 2-ethyl-4,5-dim...	126	C7H15BO	074685-45-3	72
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

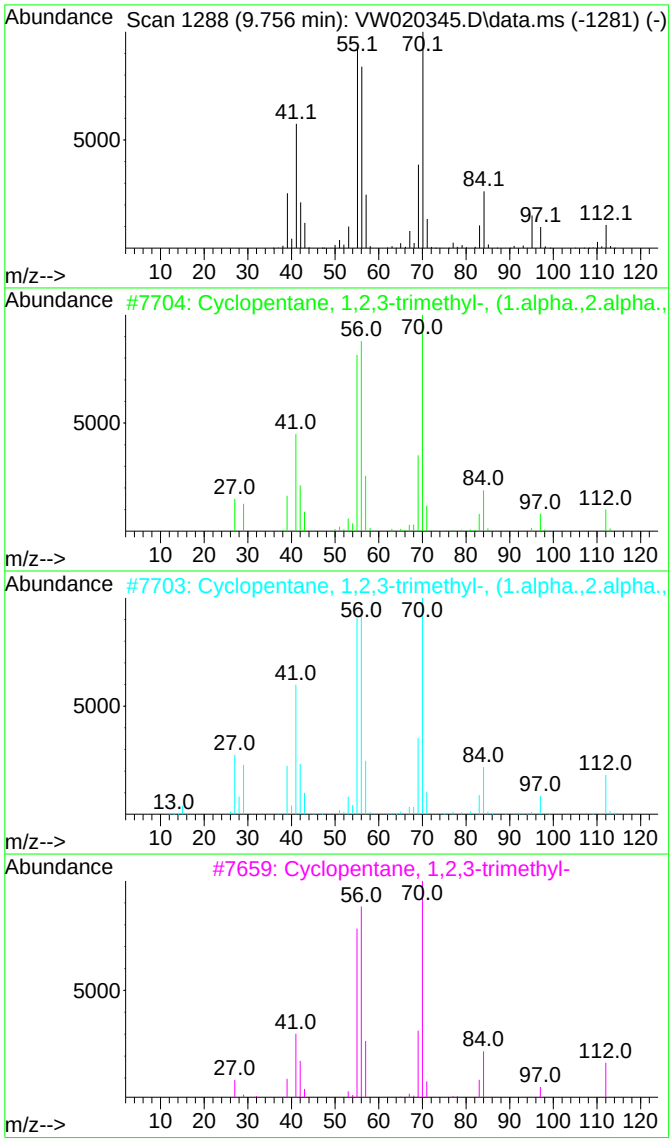
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

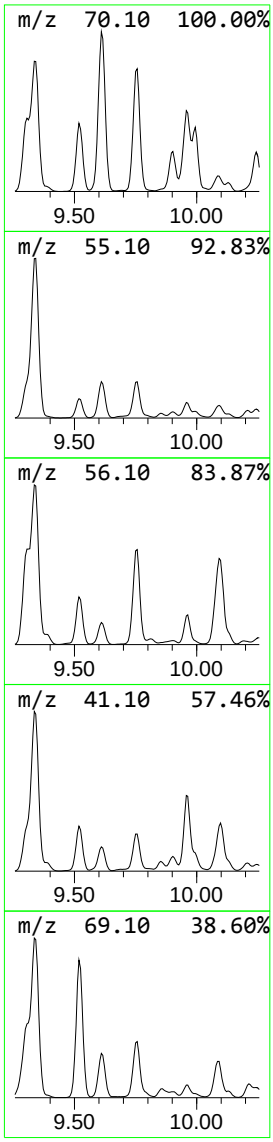
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic9.756 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	39.19 ug/L	2705780	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

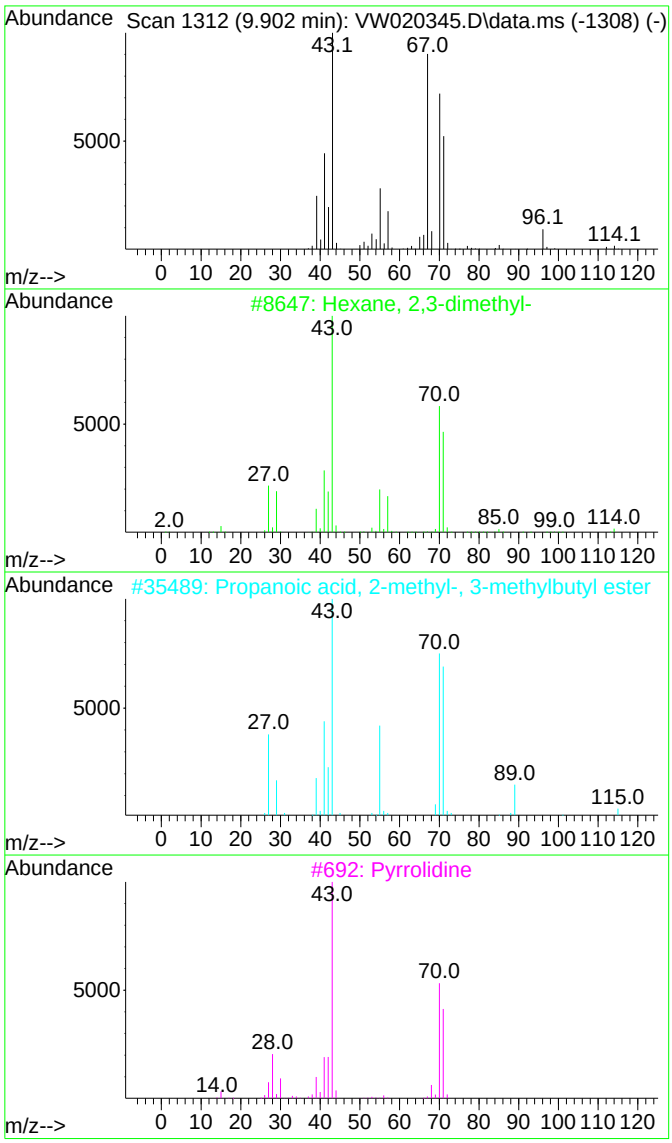
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

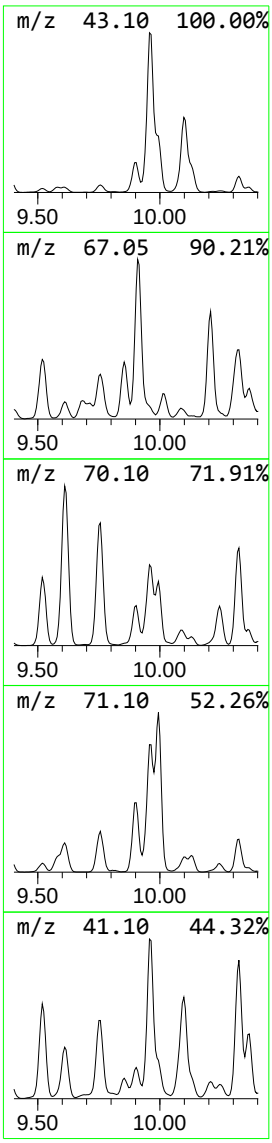
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	11.90 ug/L	821307	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	49
2	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	38
3	Pyrrolidine	71	C4H9N	000123-75-1	38
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

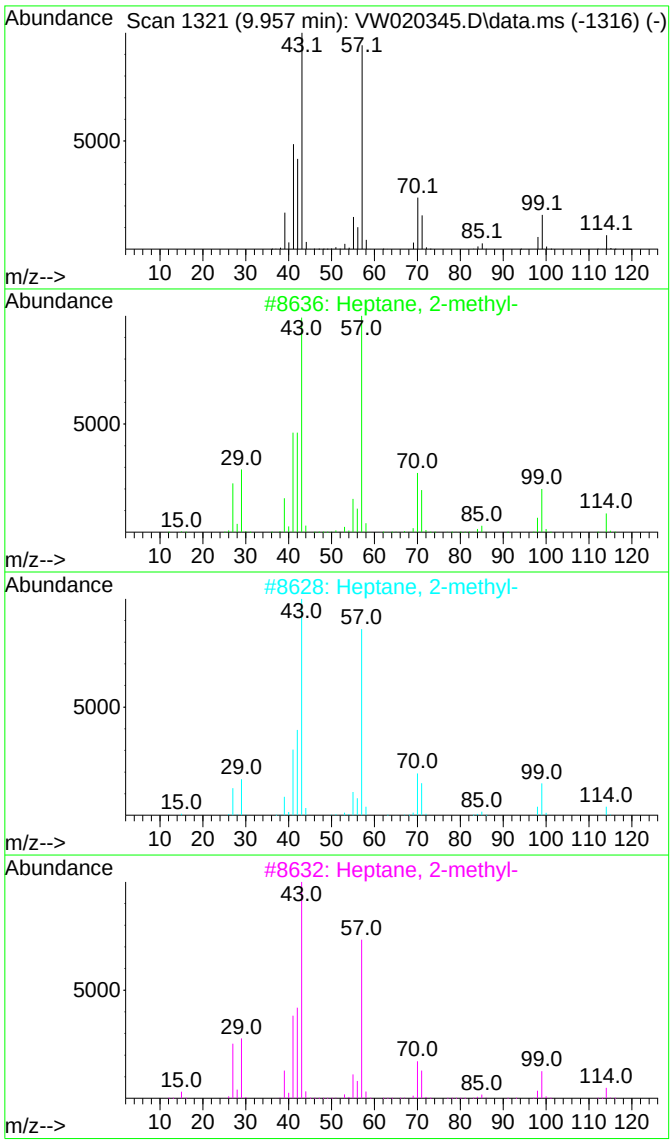
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

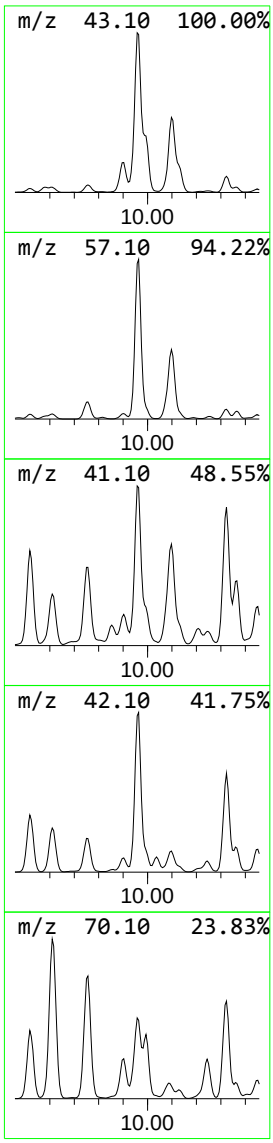
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	74.97 ug/L	5175600	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

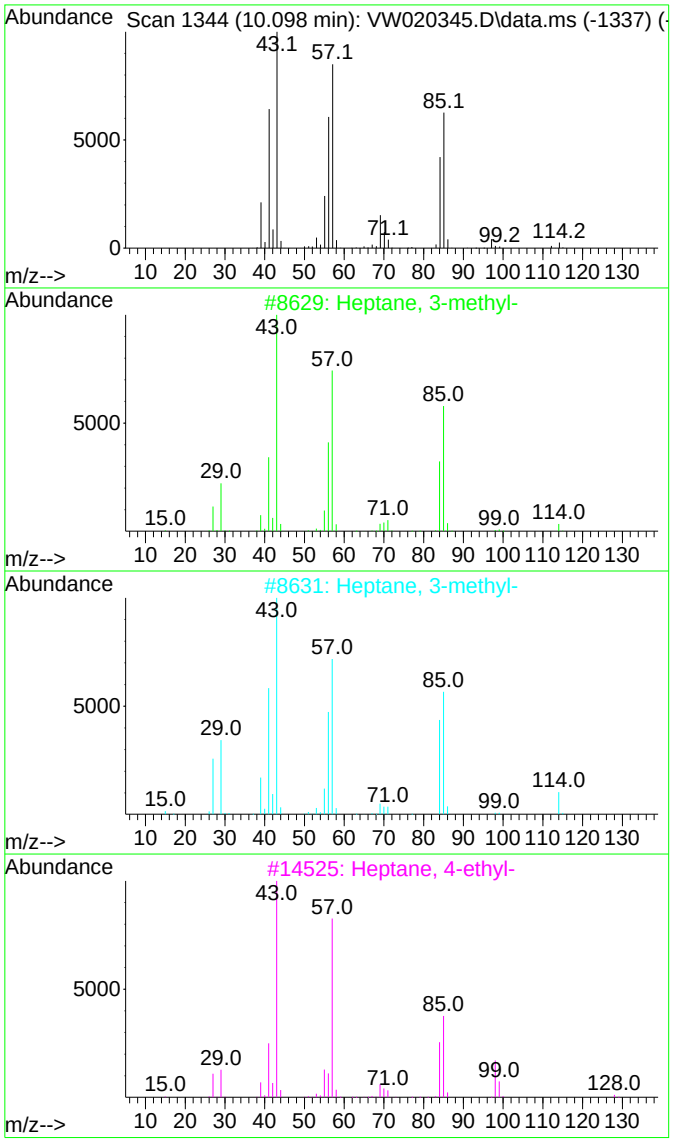
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

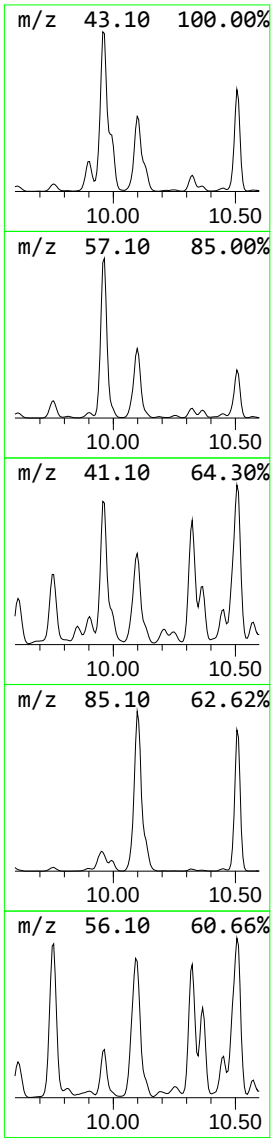
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	50.41 ug/L	3480350	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	59
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

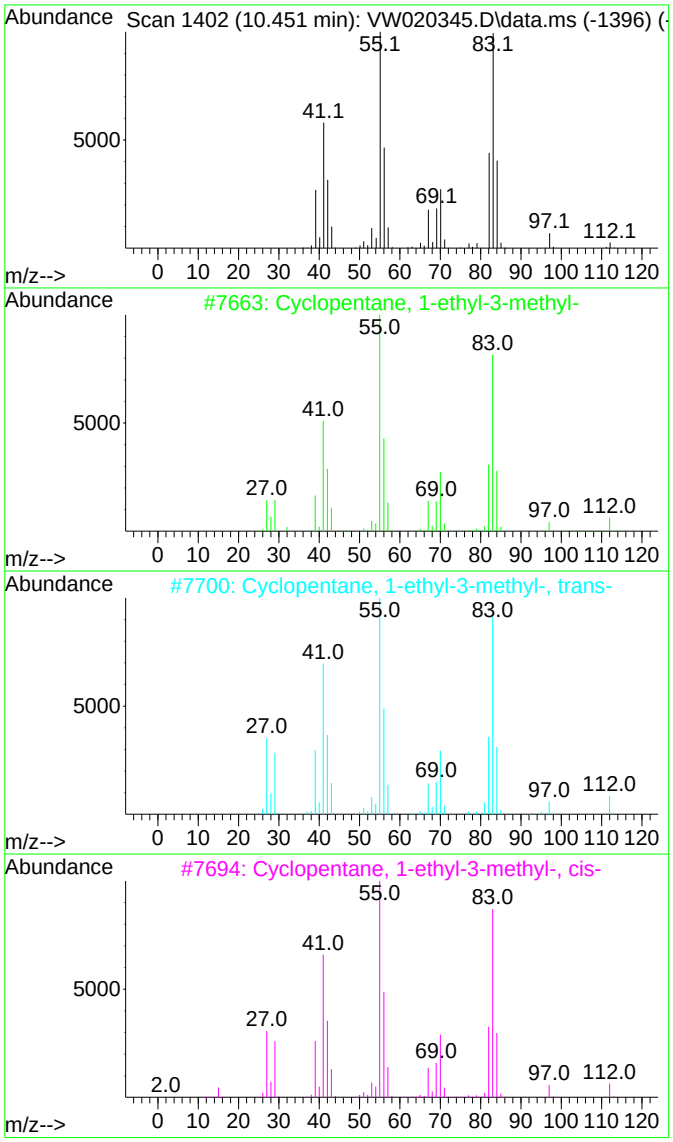
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

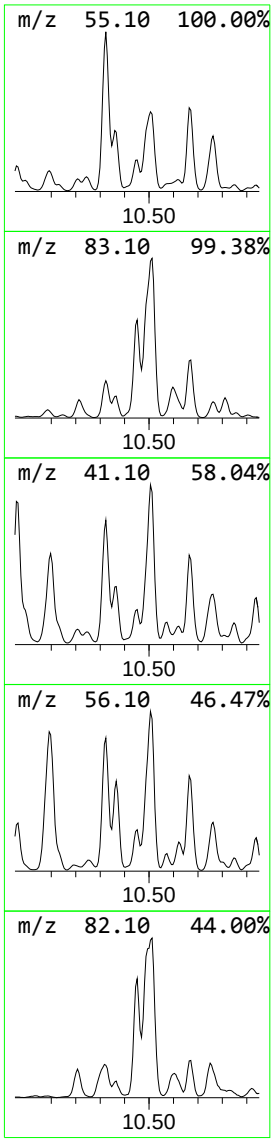
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic10.451 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	18.83 ug/L	901720	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	72
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

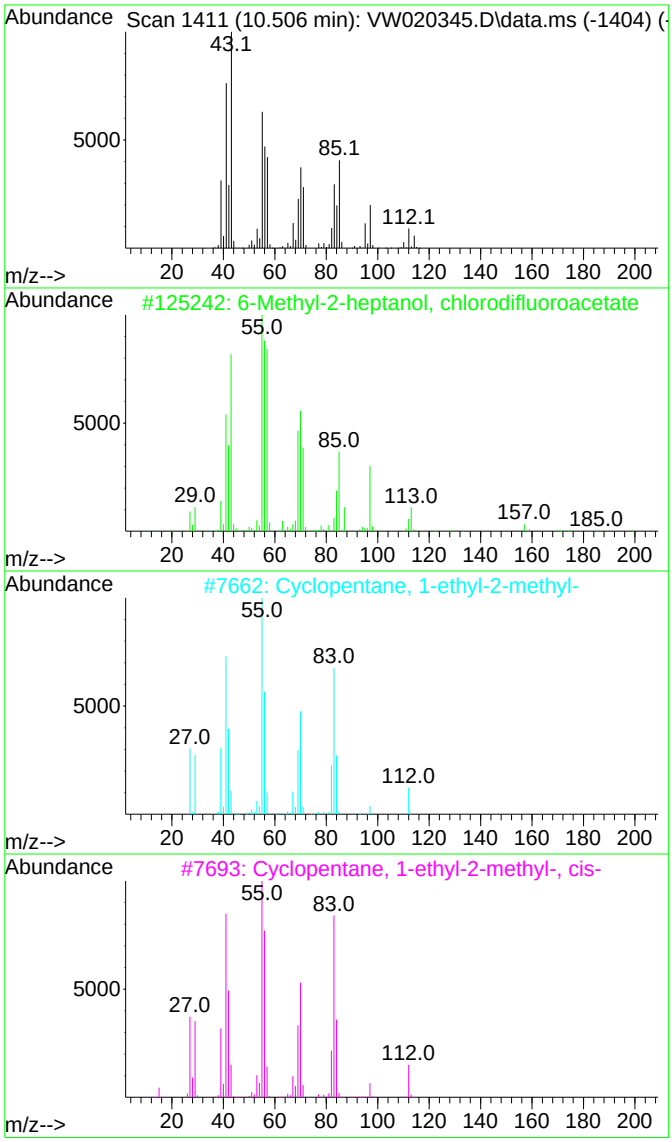
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

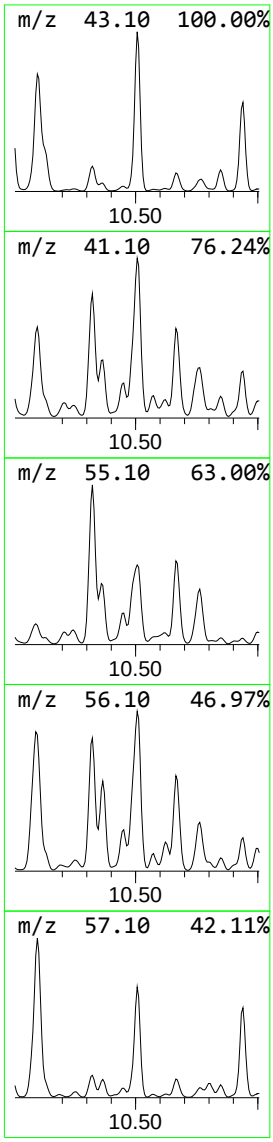
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	126.55 ug/L	6061410	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-2-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-5	47
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	38
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	35
5	3-Octene, (Z)-	112	C8H16	014850-22-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

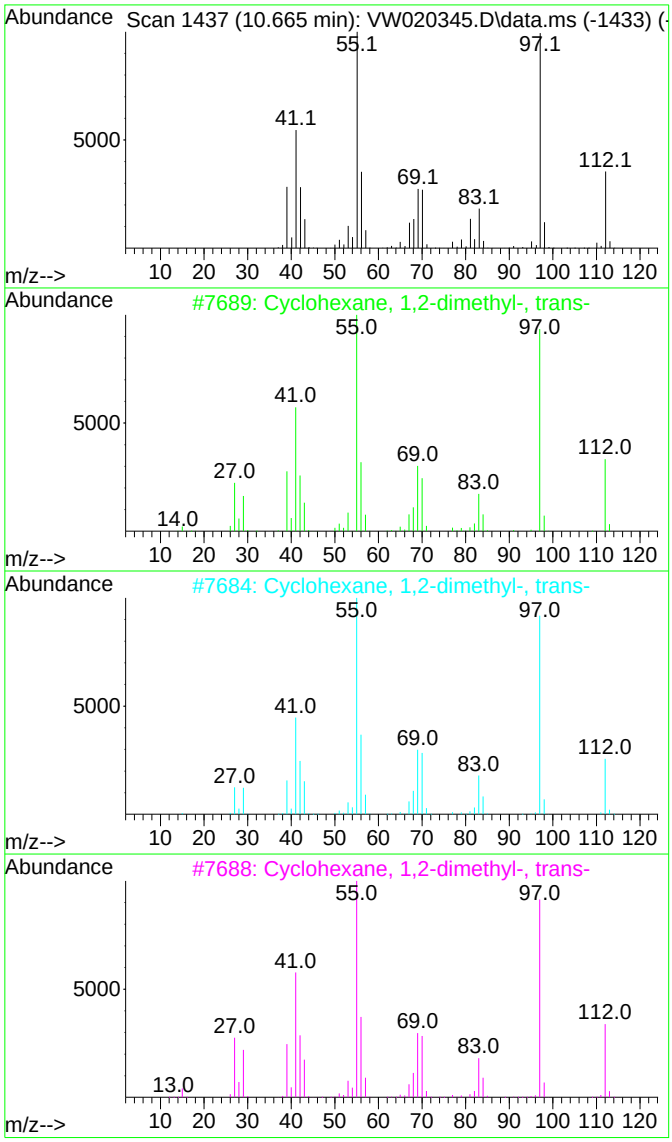
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

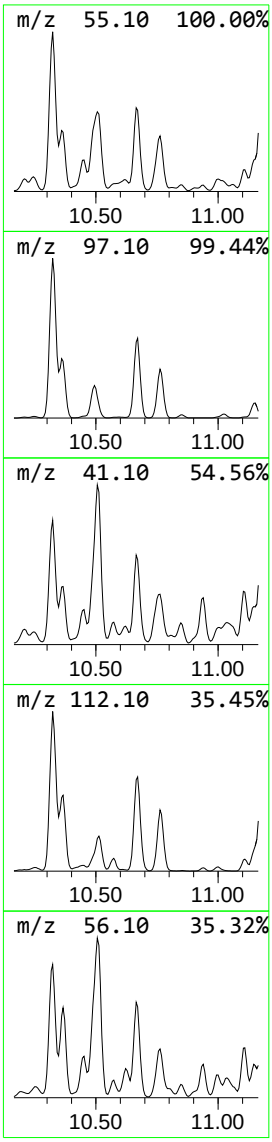
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic10.665 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	65.79 ug/L	3151410	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

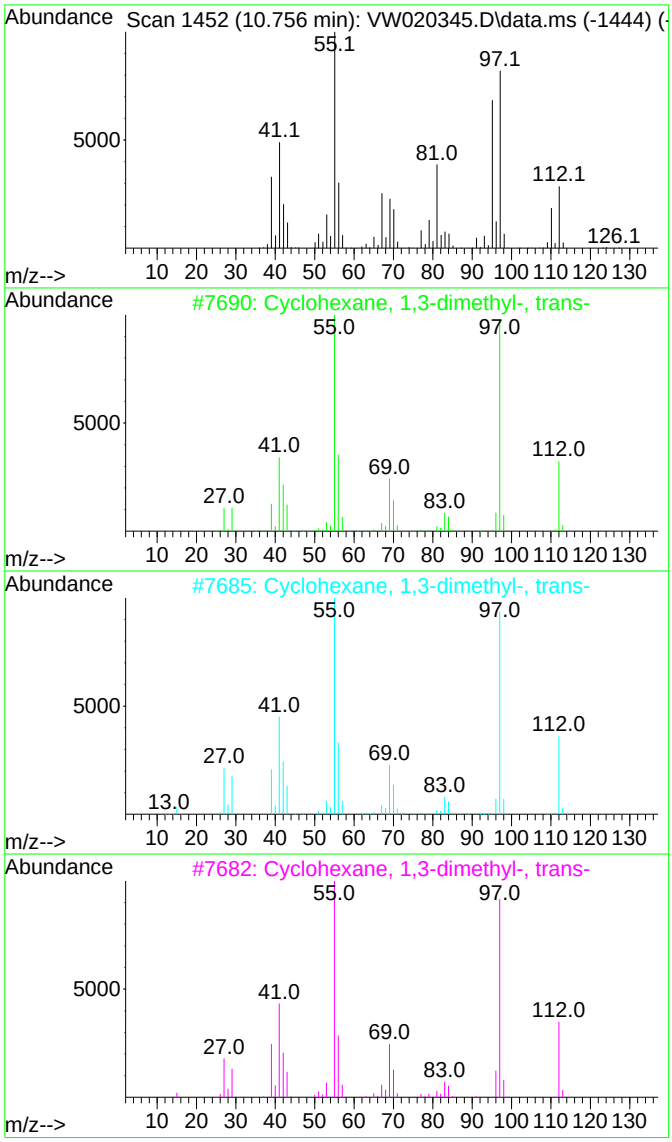
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

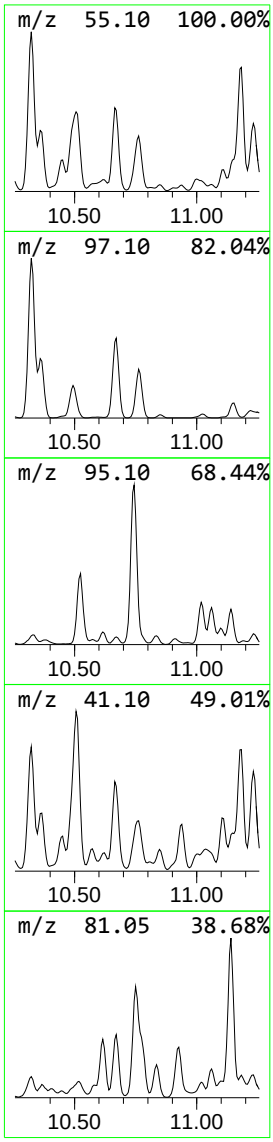
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic10.756 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	70.23 ug/L	3364040	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

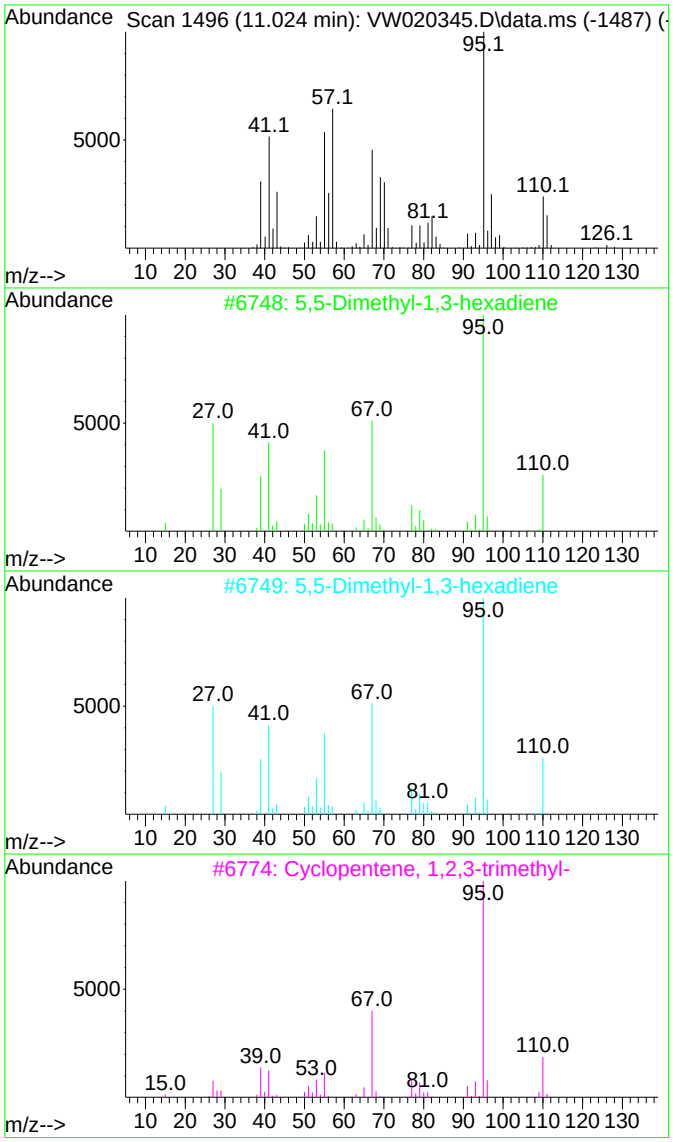
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

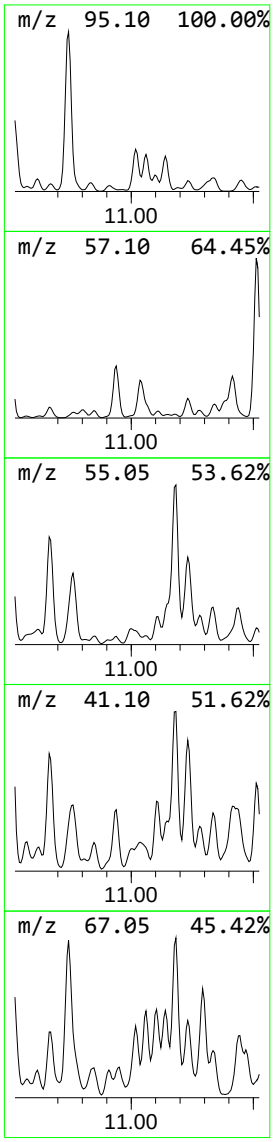
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 5,5-Dimethyl-1,3-hexadiene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	25.76 ug/L	1233700	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
2	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	64
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

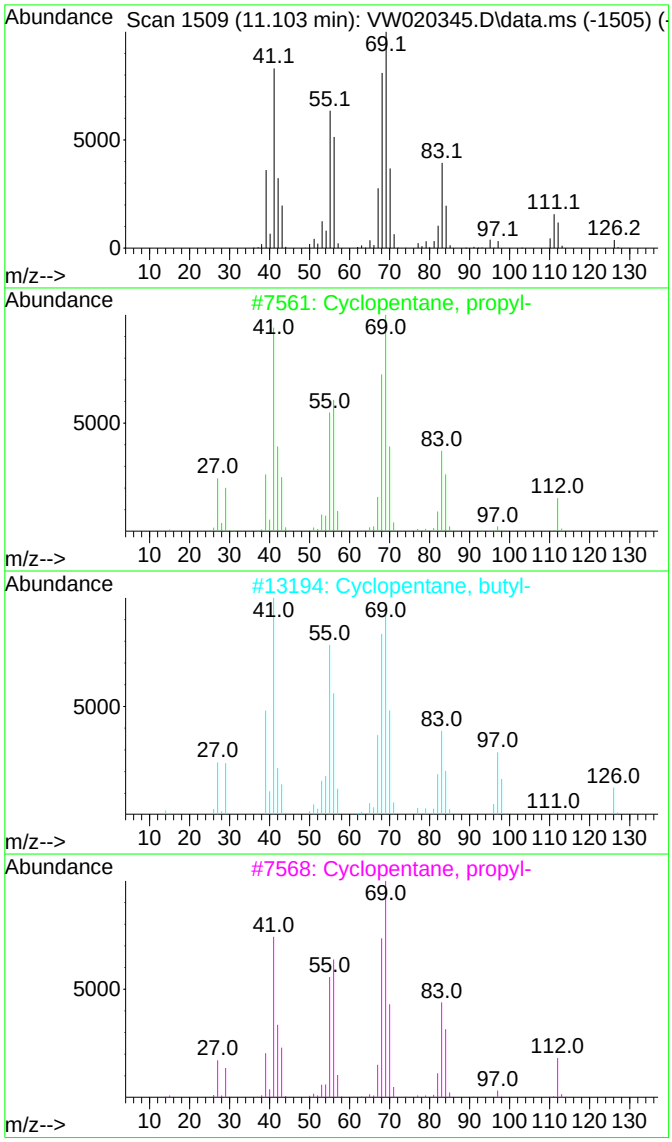
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

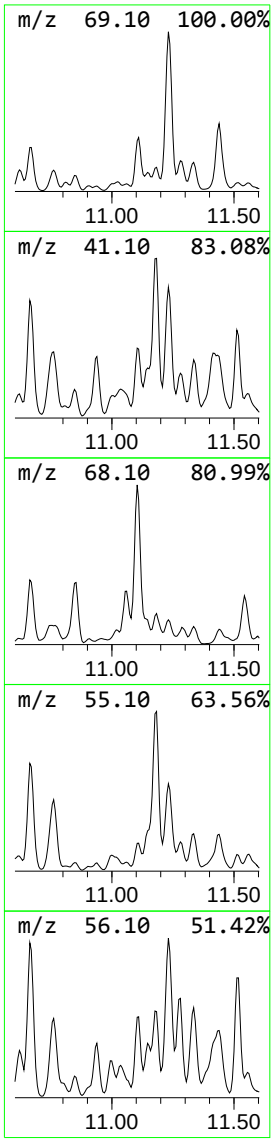
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic11.104 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.104	23.95 ug/L	1147000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	94
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	86
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	64
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	60
5	4-Heptenal, (E)-	112	C7H12O	000929-22-6	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

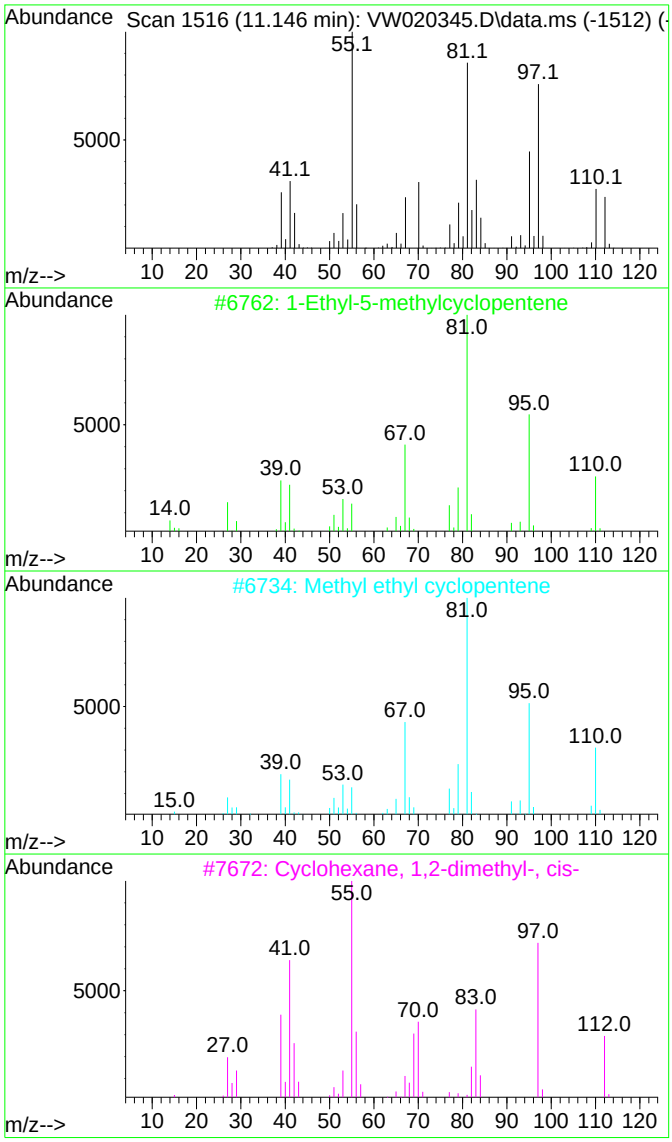
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

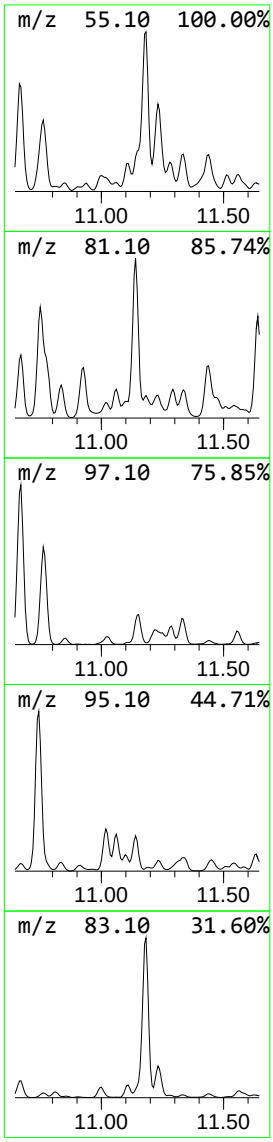
****

Peak Number 29 unknown-02 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	27.85 ug/L	1334100	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	46
2	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	41
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38
4	2-Propenyl-3-vinyloxirane	110	C7H10O	070597-49-8	38
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

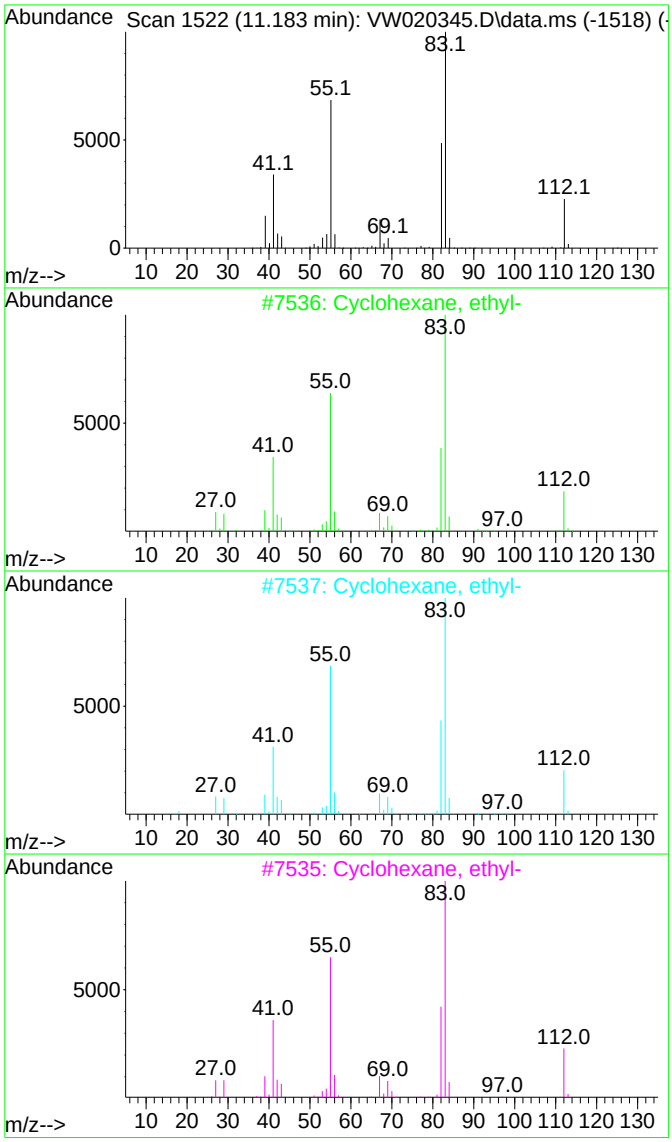
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

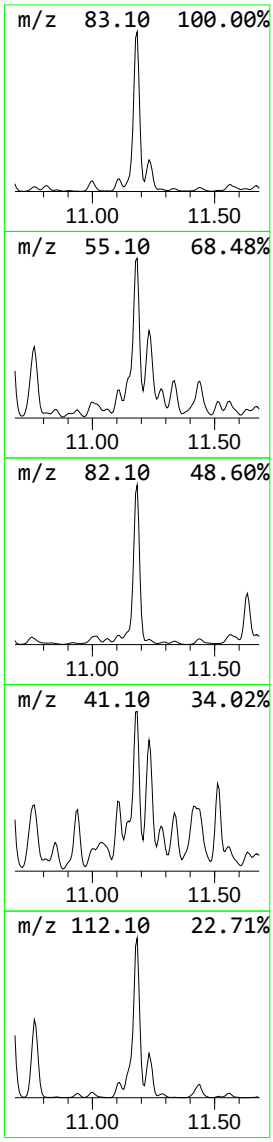
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic11.183 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	74.76 ug/L	3580870	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	4-Oxohex-2-enal	112	C6H8O2	020697-55-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

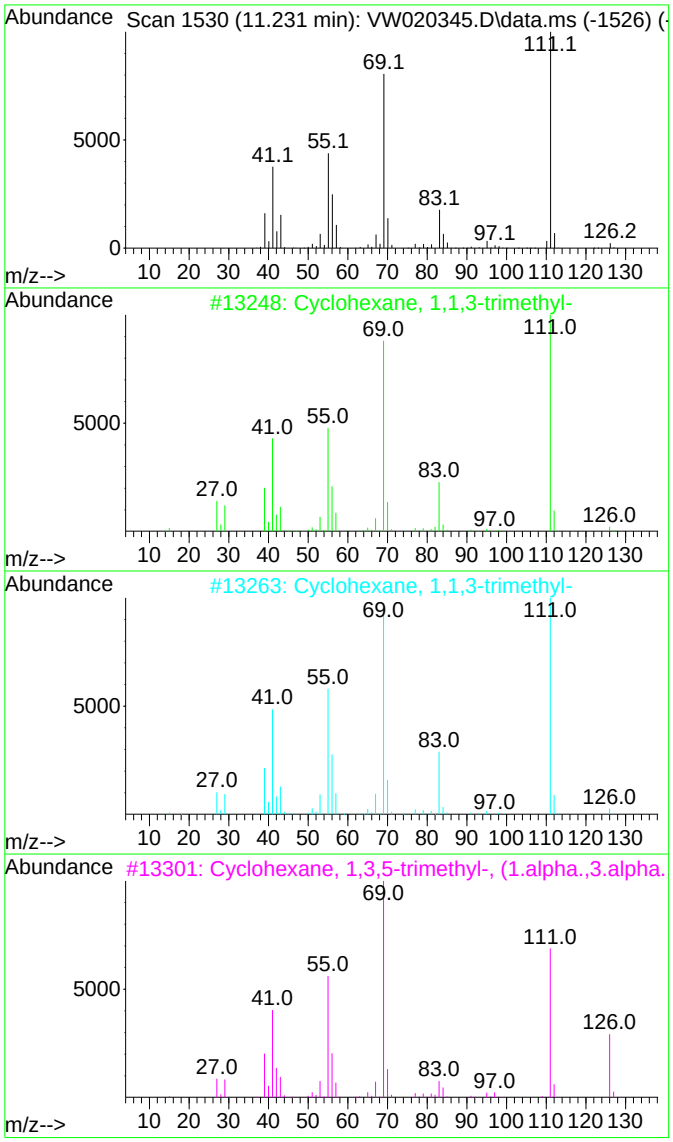
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

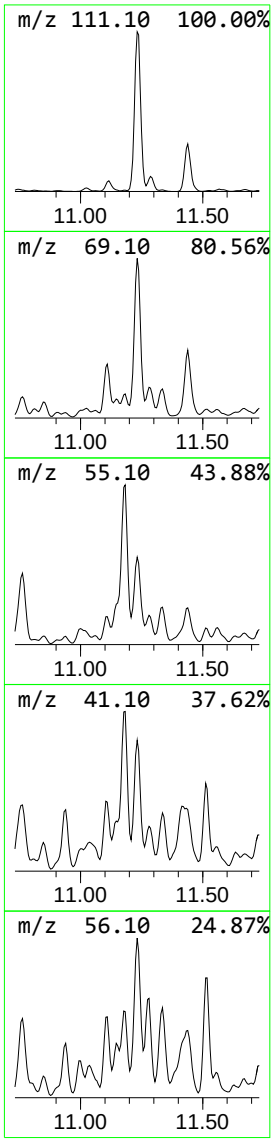
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic11.232 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	70.74 ug/L	3388570	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

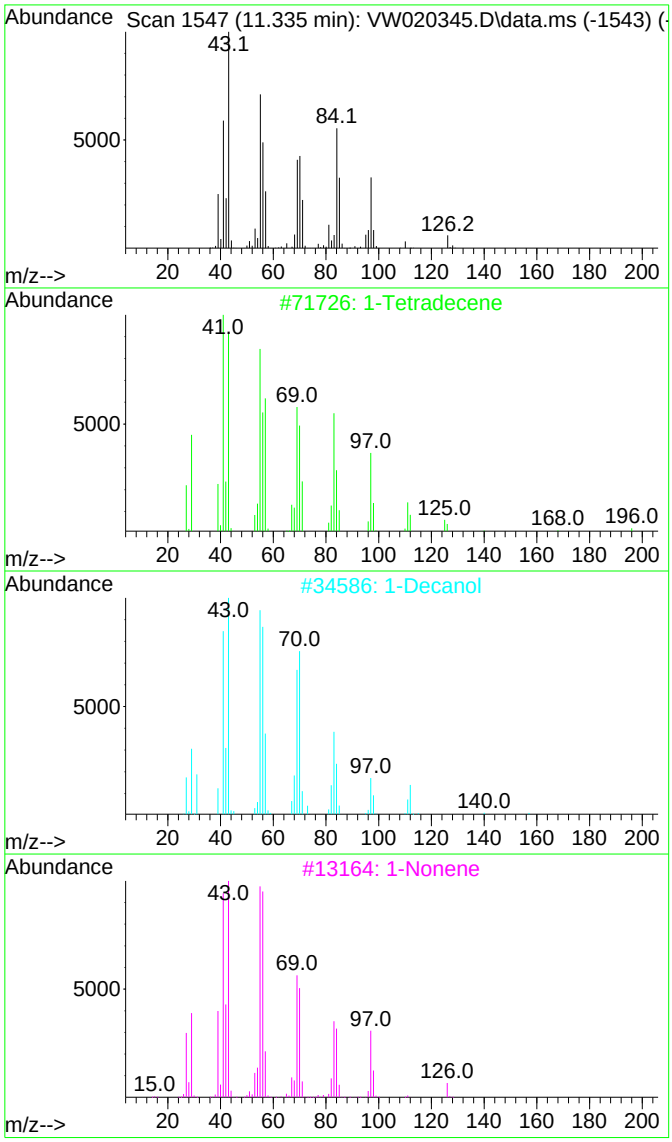
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

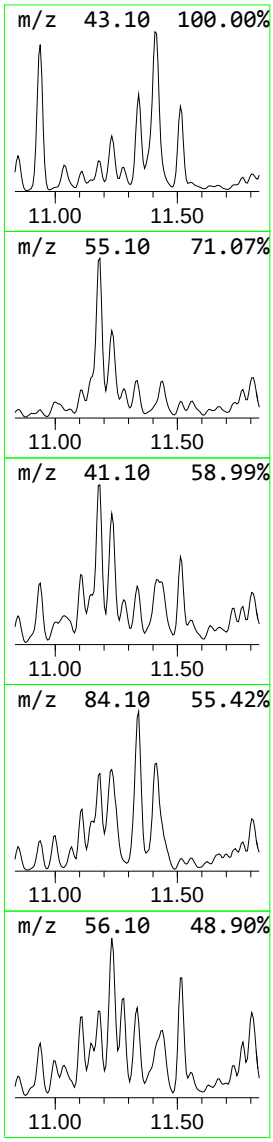
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	29.22 ug/L	1399400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetradecene	196	C14H28	001120-36-1	59
2	1-Decanol	158	C10H22O	000112-30-1	47
3	1-Nonene	126	C9H18	000124-11-8	43
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	38
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

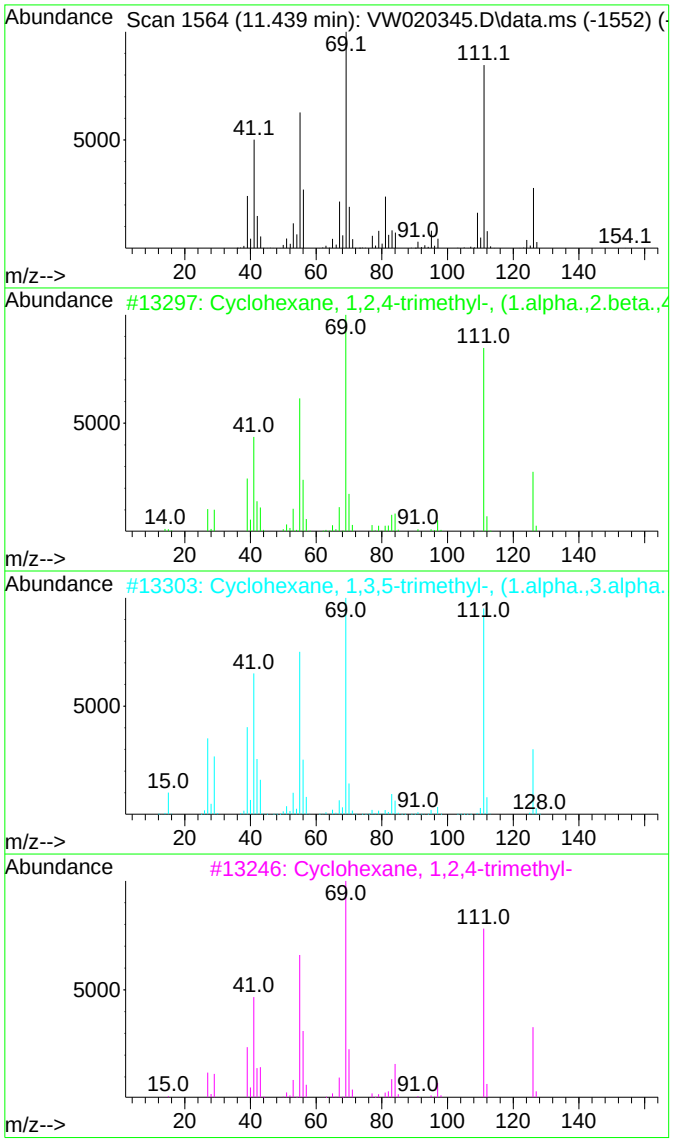
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

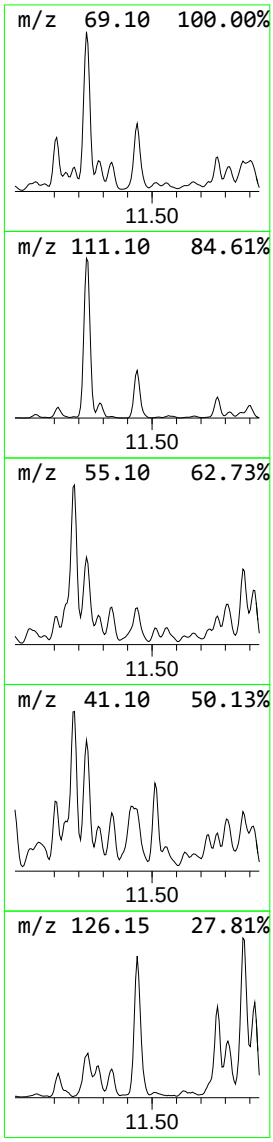
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic11.439 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	61.81 ug/L	2960770	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

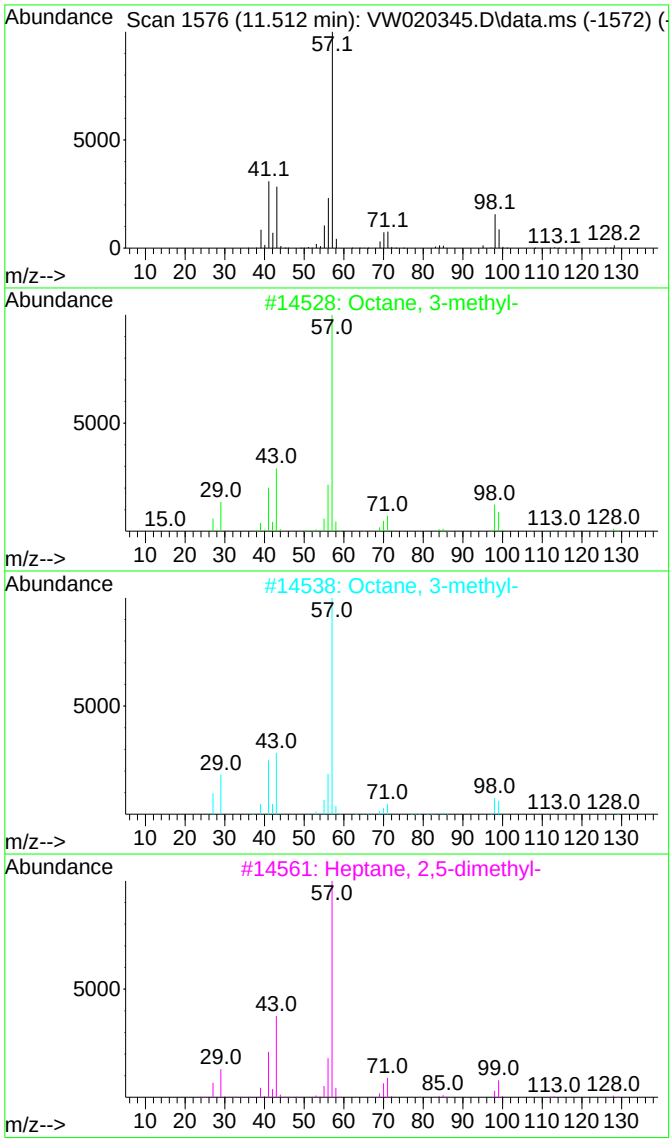
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

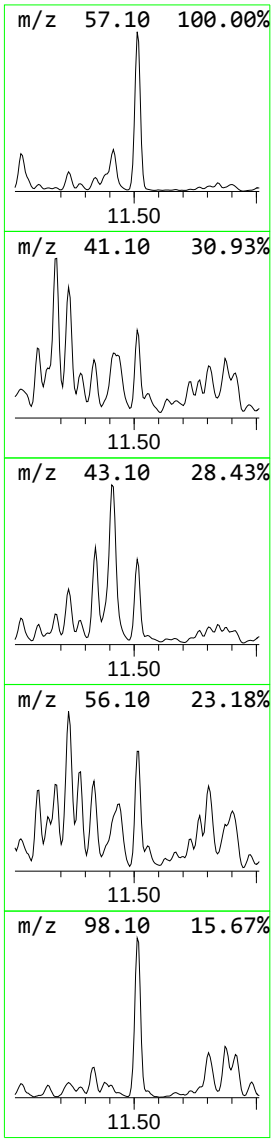
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	30.50 ug/L	1460890	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
4	Octane, 3-methyl-	128	C9H20	002216-33-3	52
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

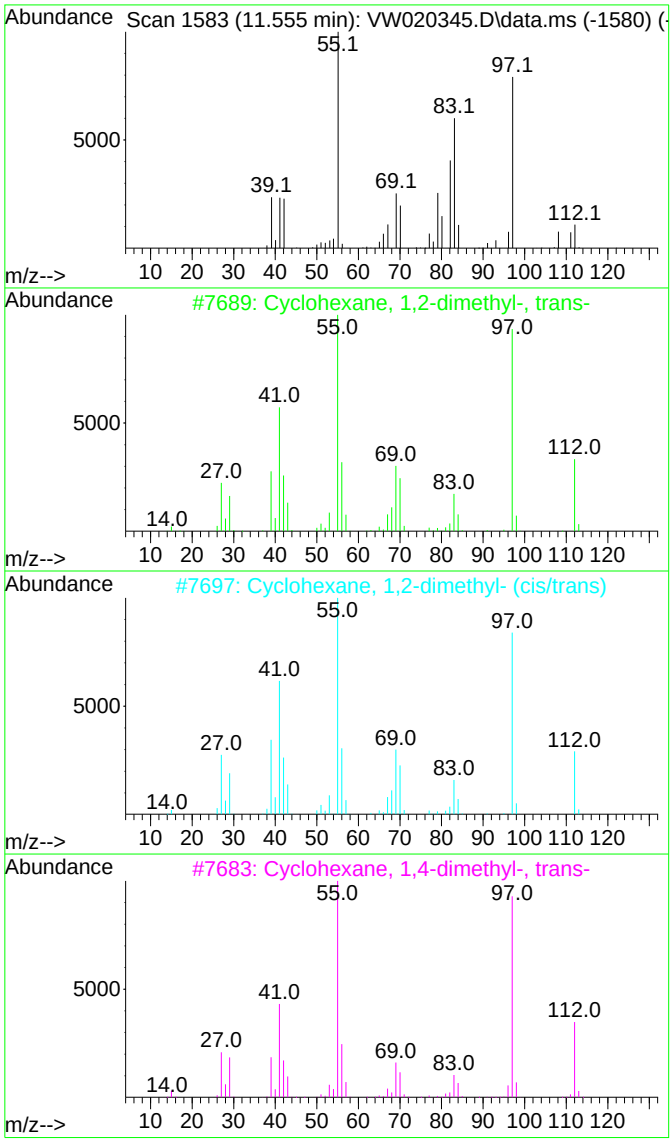
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

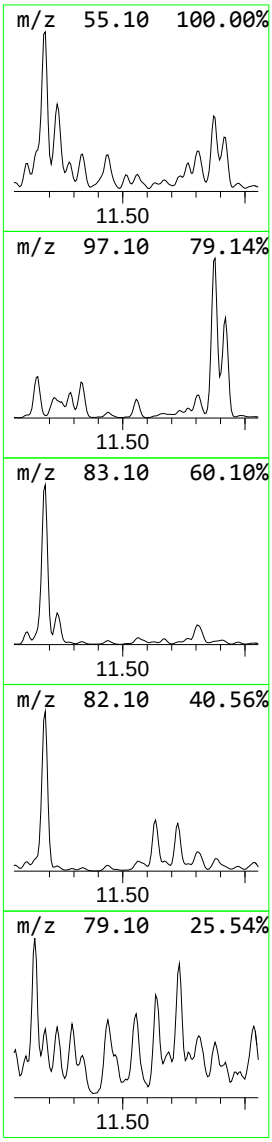
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic11.555 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.555	13.90 ug/L	665802	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	46
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

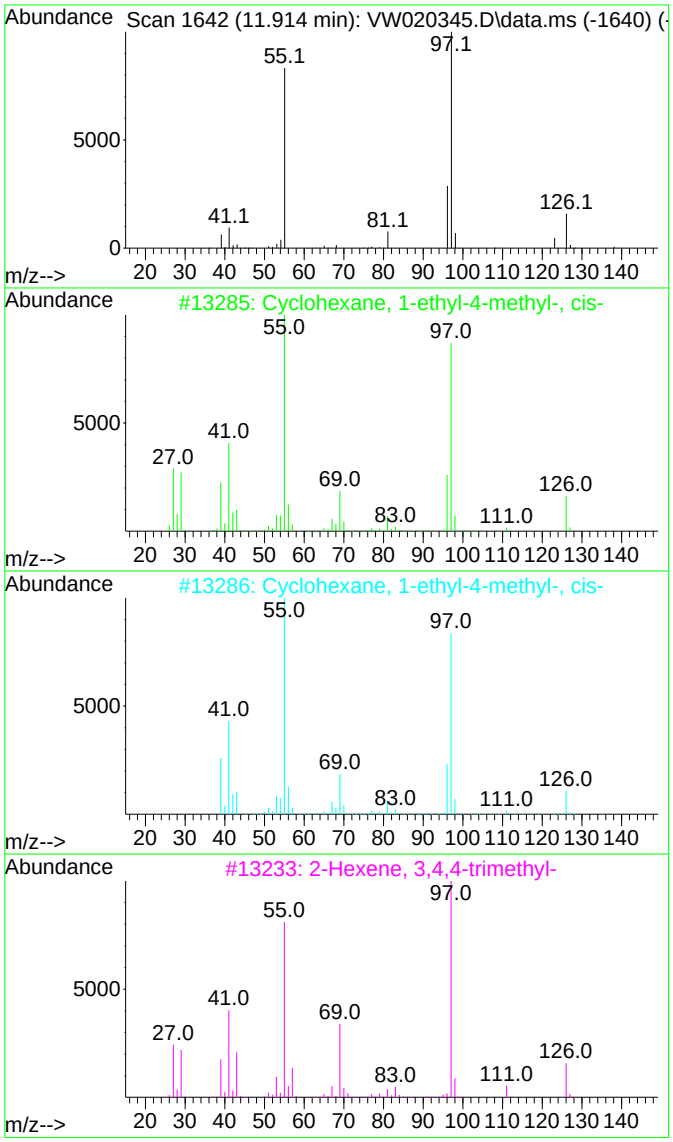
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

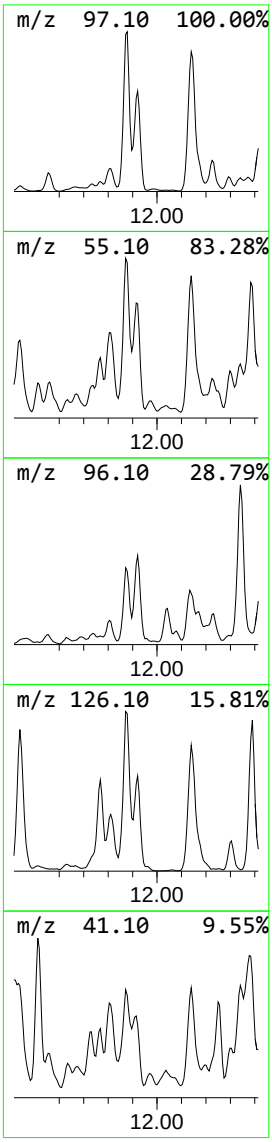
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic11.914 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	20.25 ug/L	969938	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

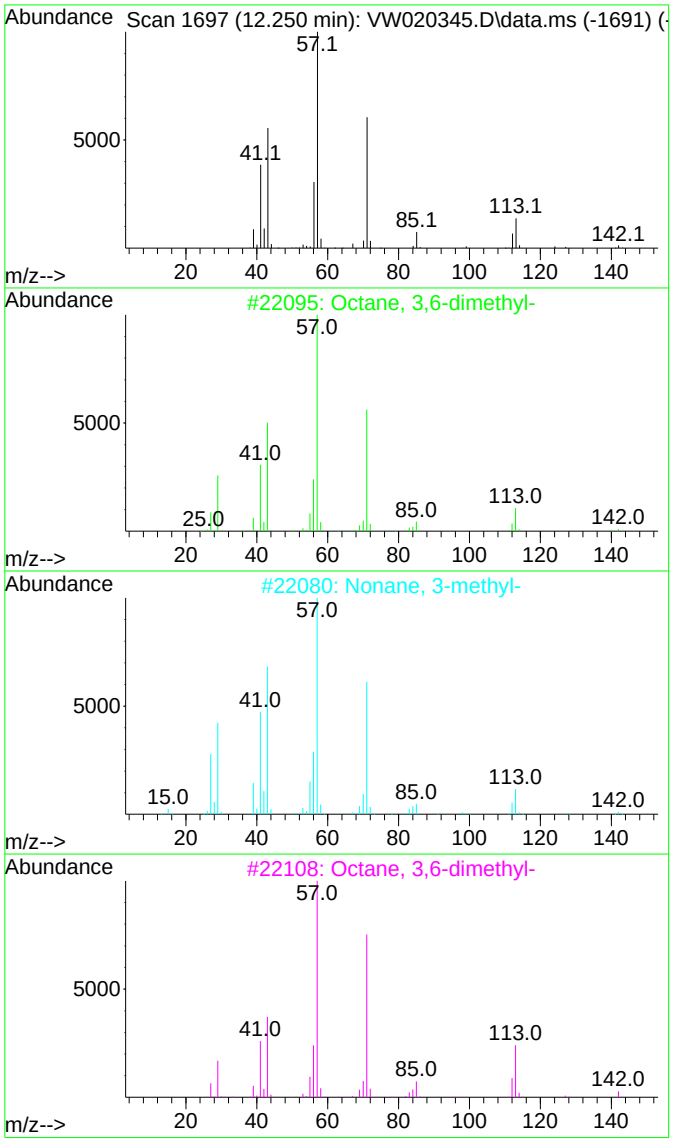
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

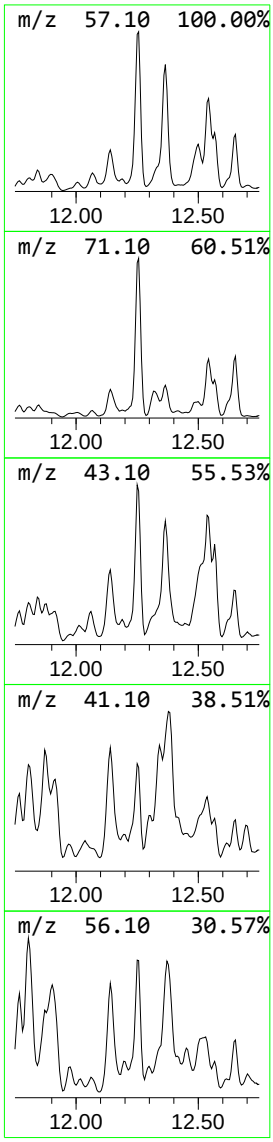
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	23.71 ug/L	1135630	Chlorobenzene-d5	11.634

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

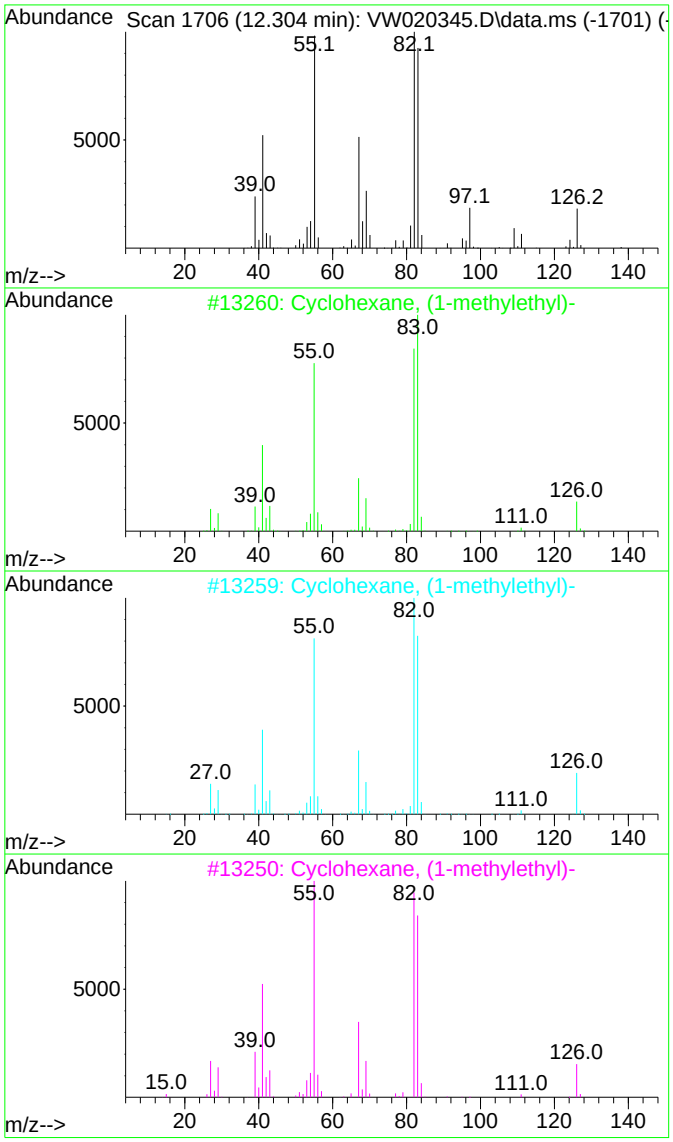
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

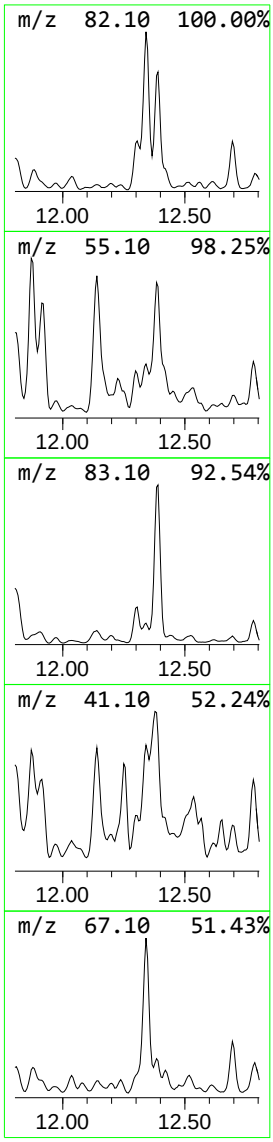
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Cyclic12.305 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.305	8.17 ug/L	391176	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	64
5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

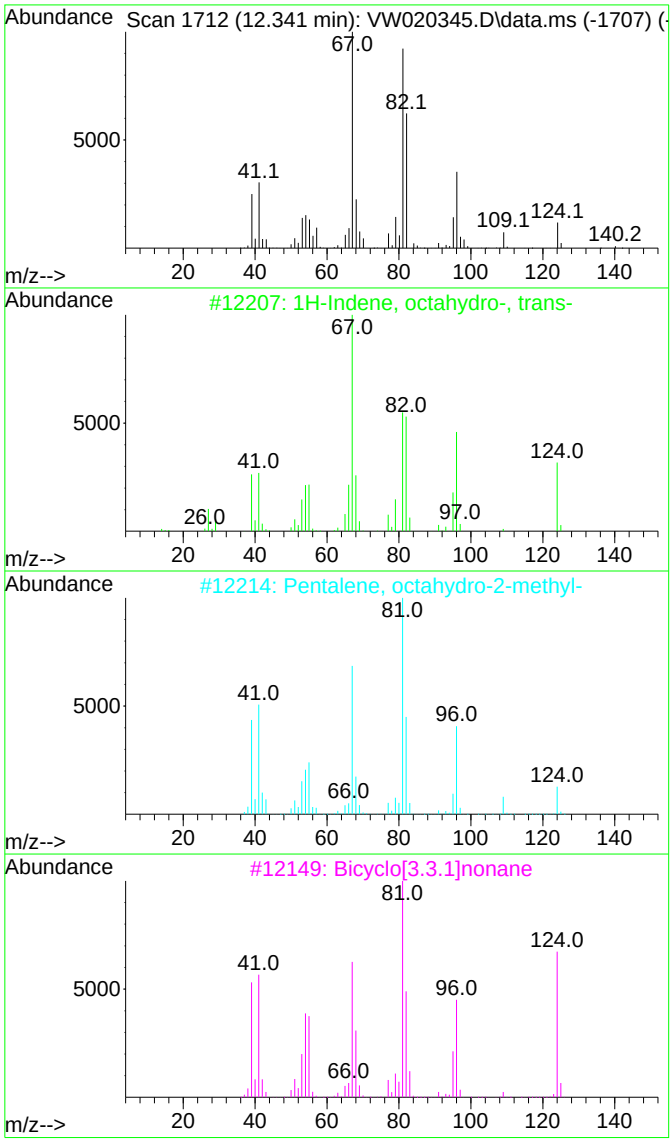
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

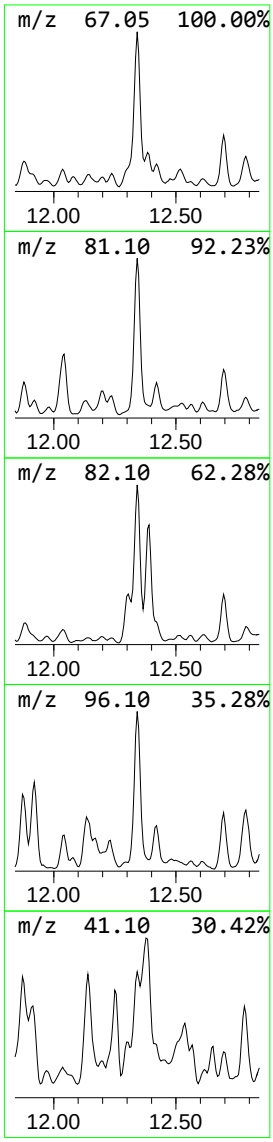
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 1H-Indene, octahydro-, trans- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	35.52 ug/L	1701560	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	64
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	62
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
4	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	46
5	1-Methylcyclooctene	124	C9H16	000933-11-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

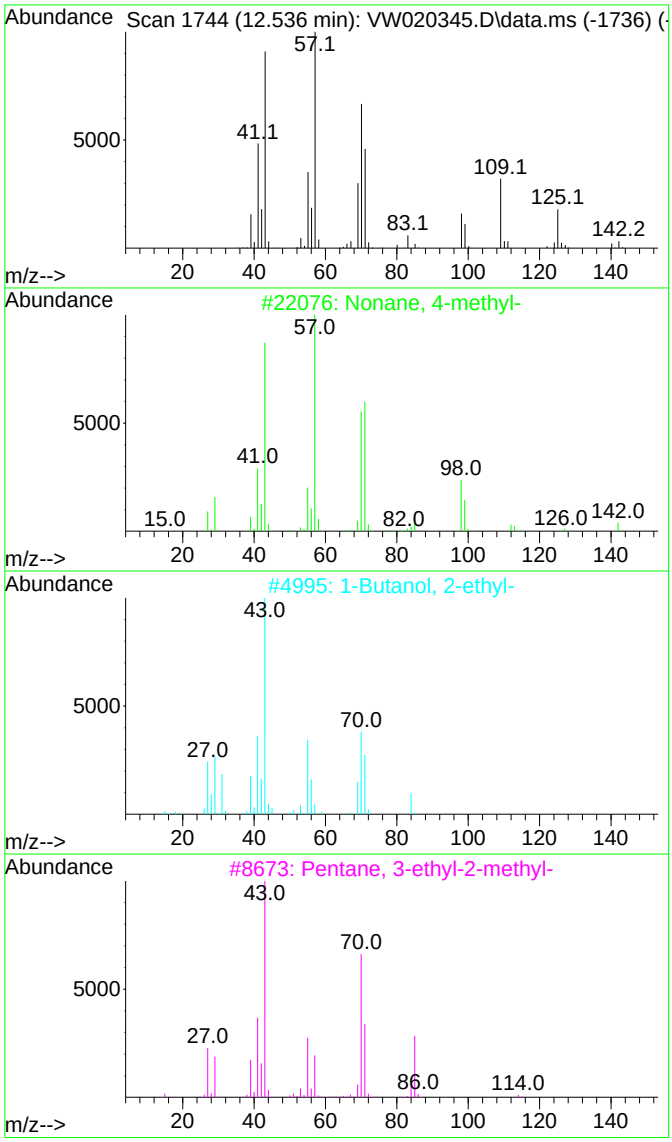
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

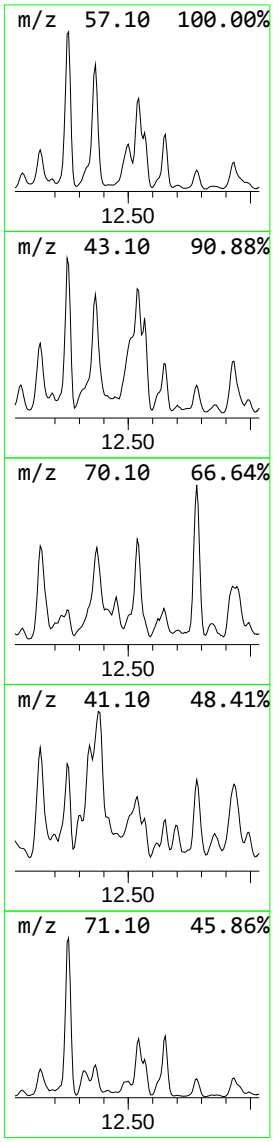
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	11.84 ug/L	567354	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	52
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
4	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	50
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

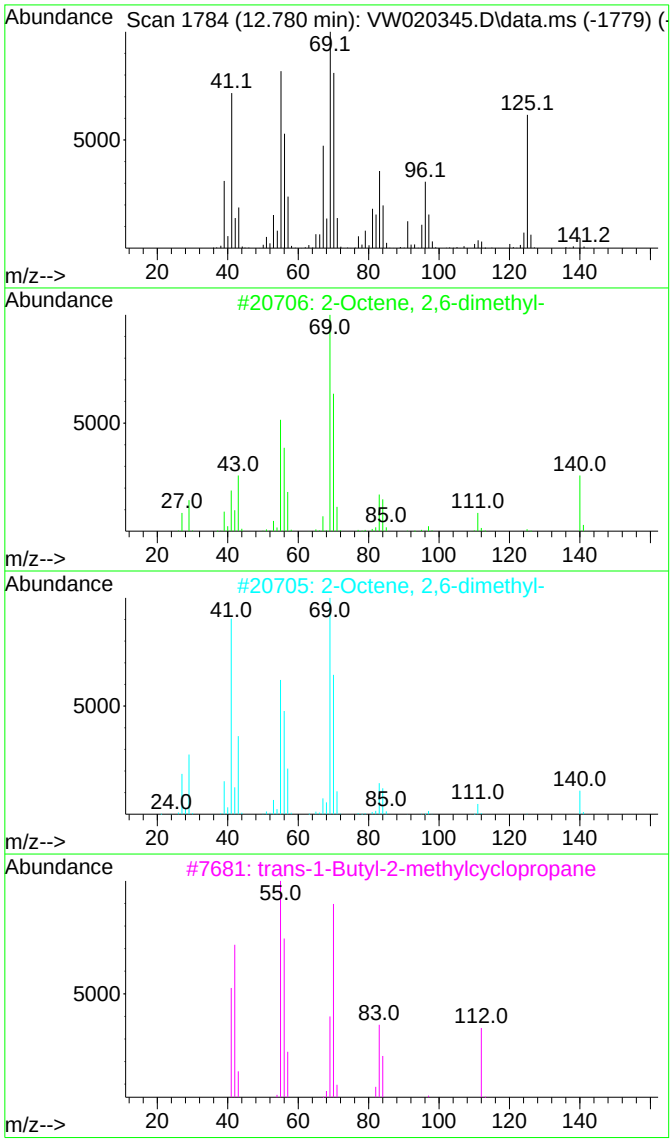
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

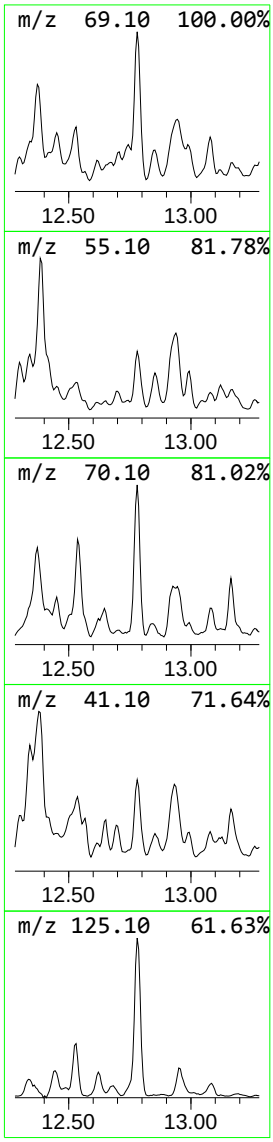
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	110.66 ug/L	1362400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	46
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

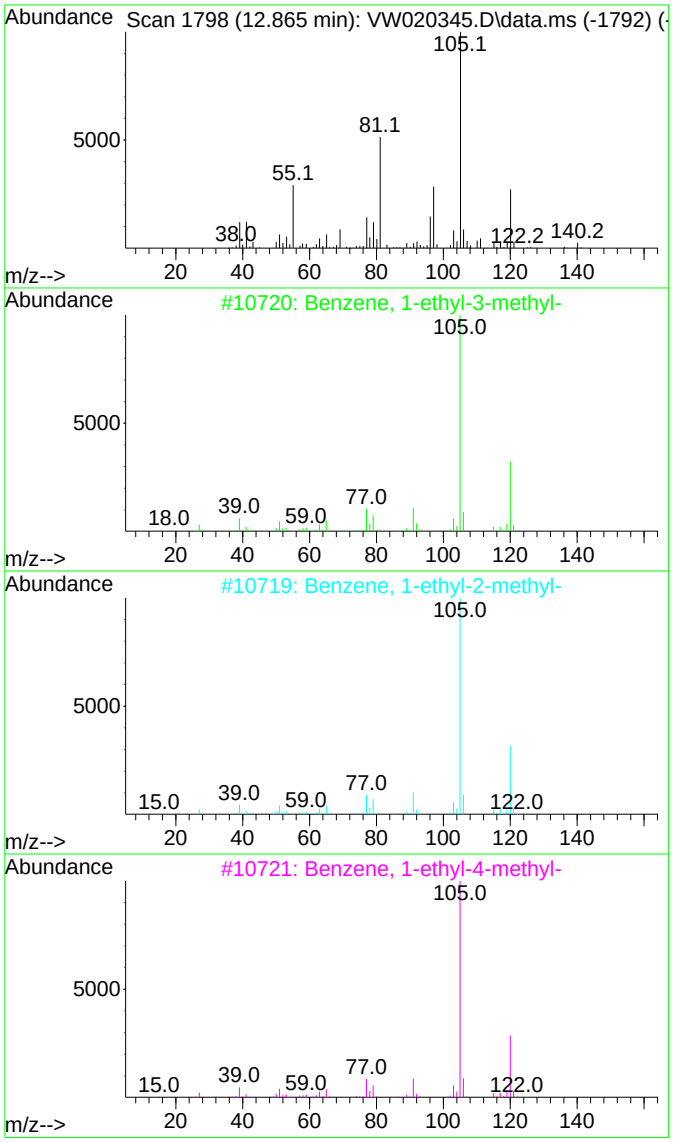
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

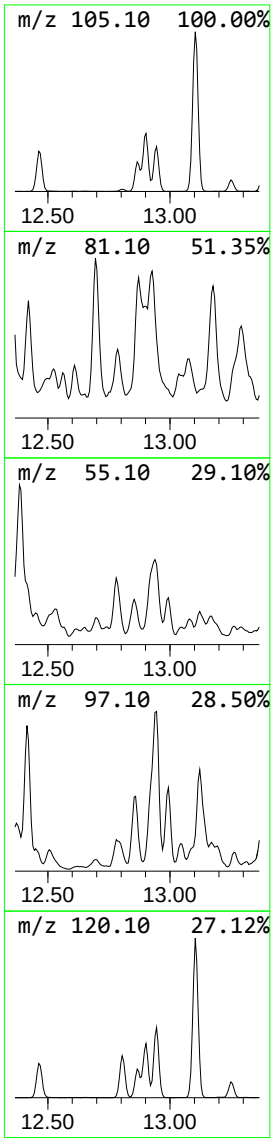
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-ethyl-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	45.79 ug/L	563812	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	46
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

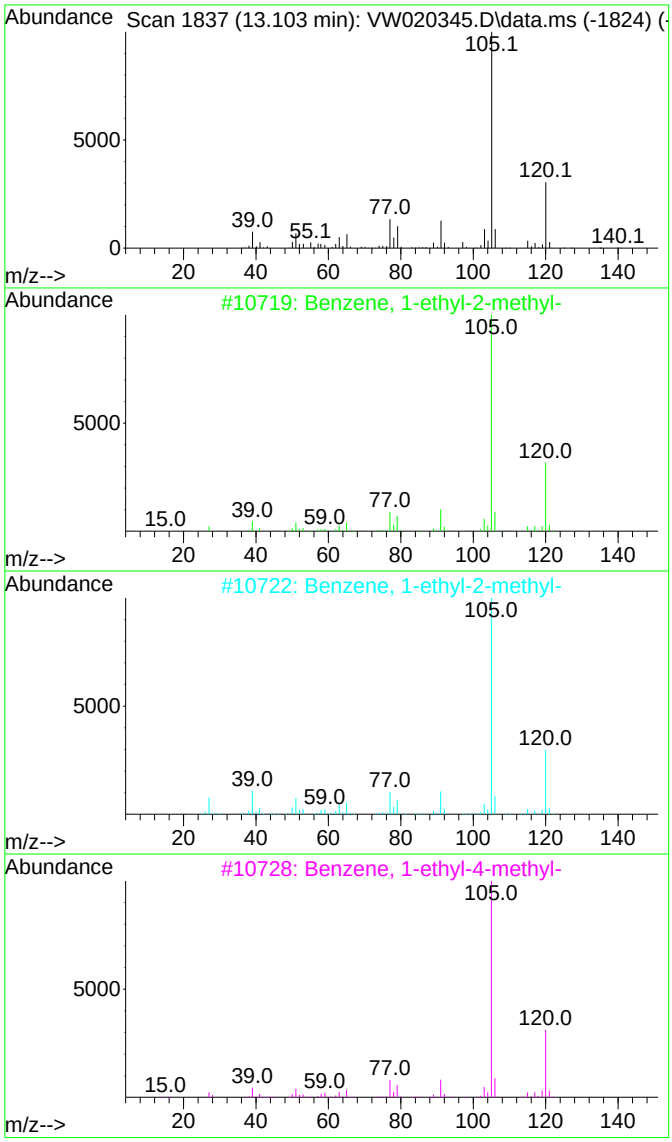
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

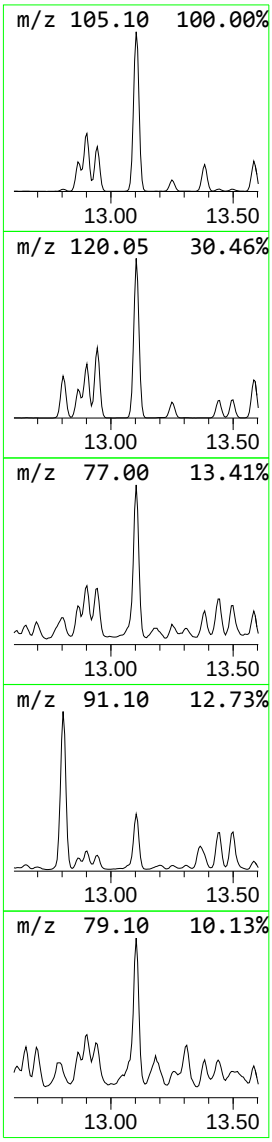
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	181.54 ug/L	2235100	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

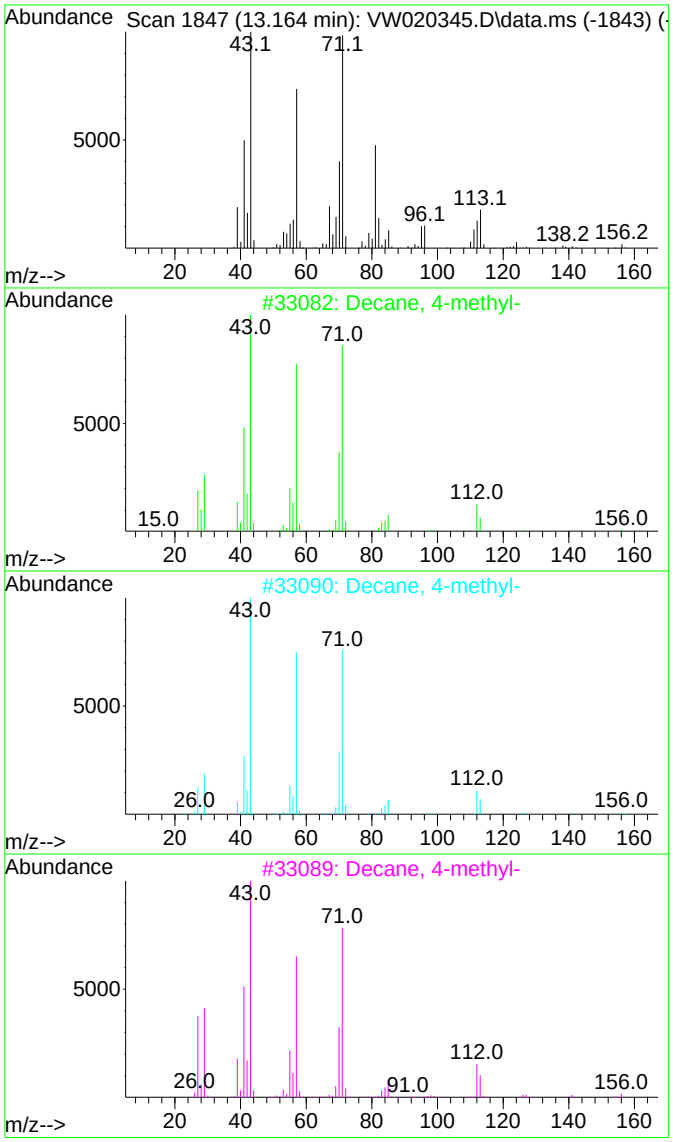
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

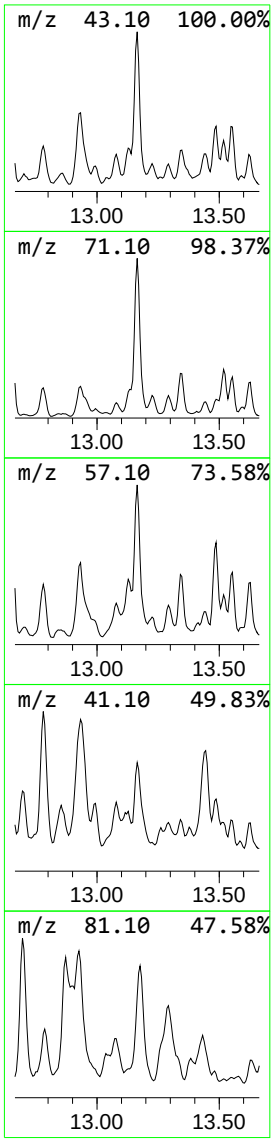
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	74.88 ug/L	921933	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	76
2	Decane, 4-methyl-	156	C11H24	002847-72-5	76
3	Decane, 4-methyl-	156	C11H24	002847-72-5	76
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
5	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

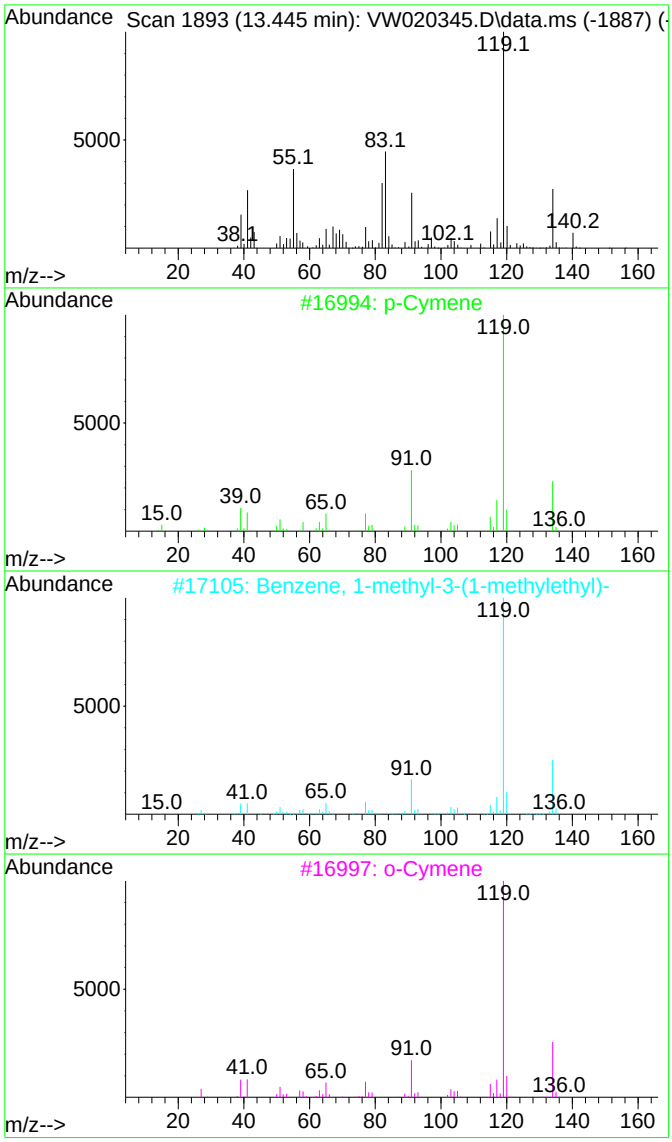
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

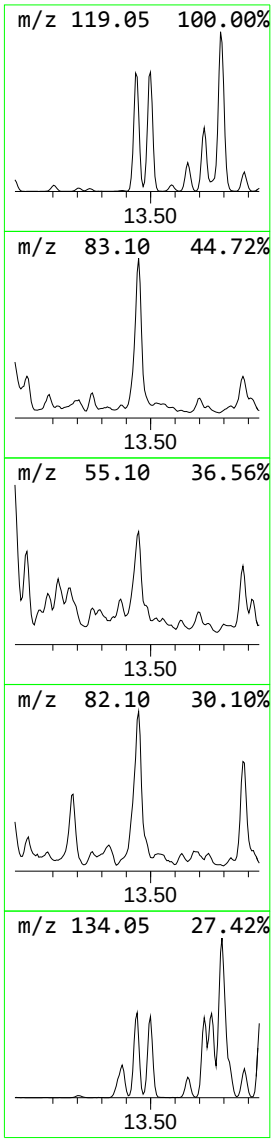
****

Peak Number 47 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	95.49 ug/L	1175610	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	92
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	o-Cymene	134	C10H14	000527-84-4	90
5	p-Cymene	134	C10H14	000099-87-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

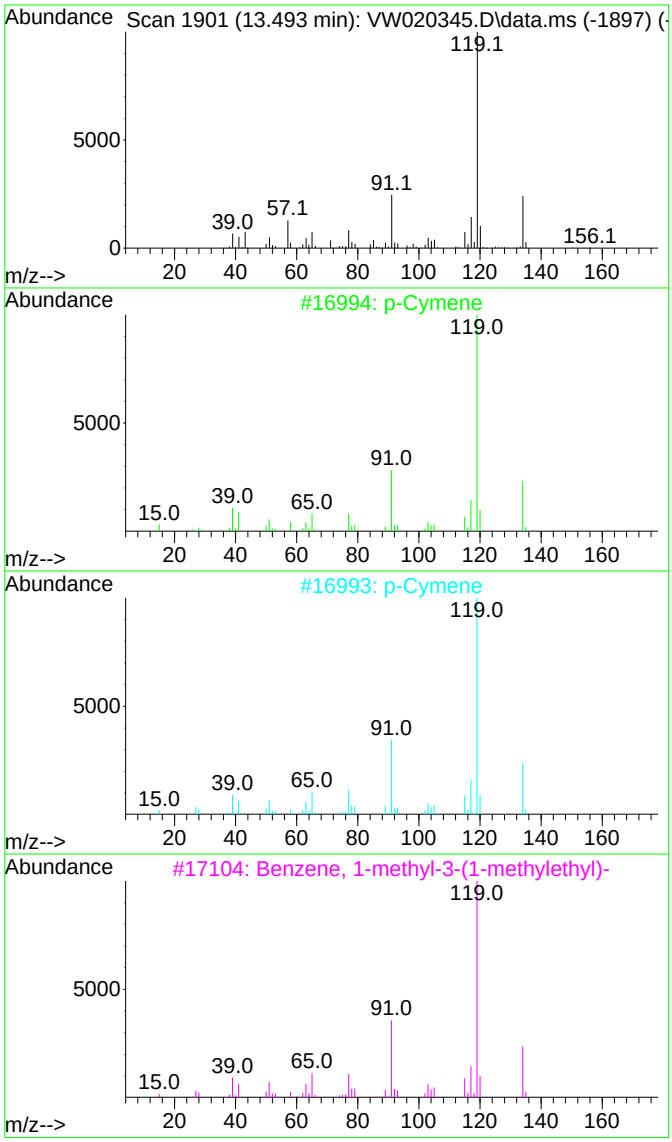
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

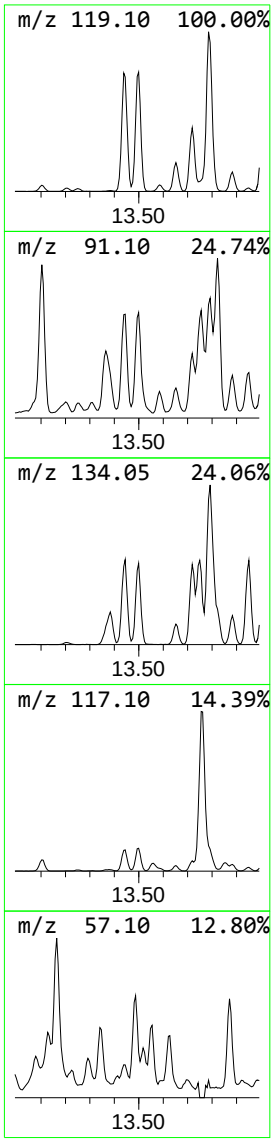
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1-methyl-3-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	56.83 ug/L	699711	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

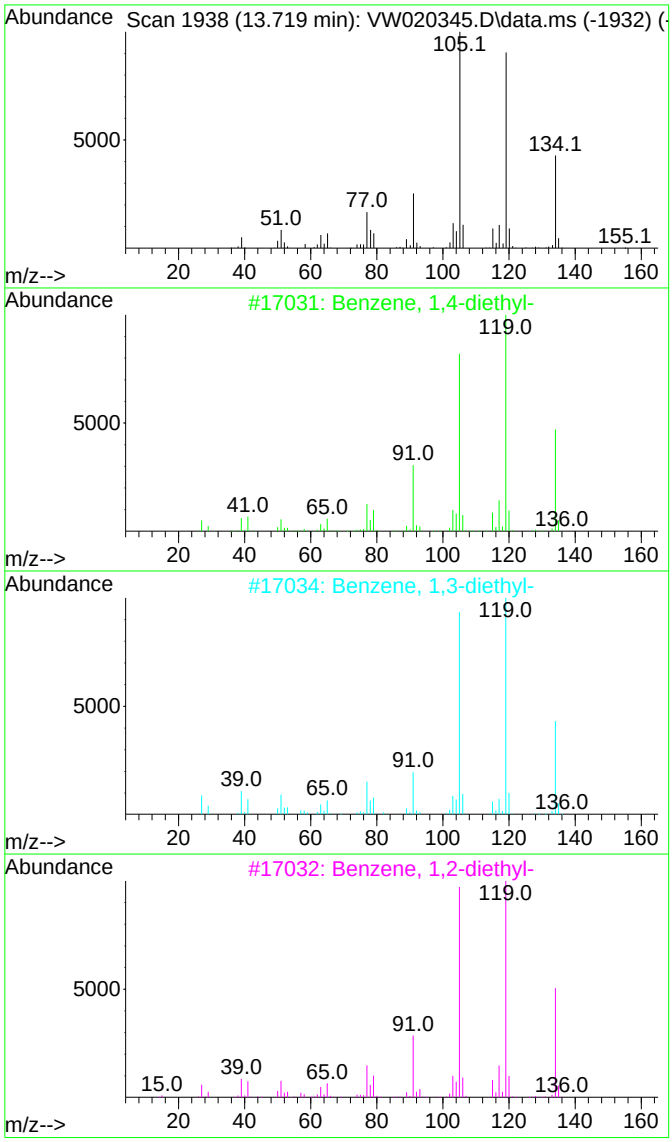
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

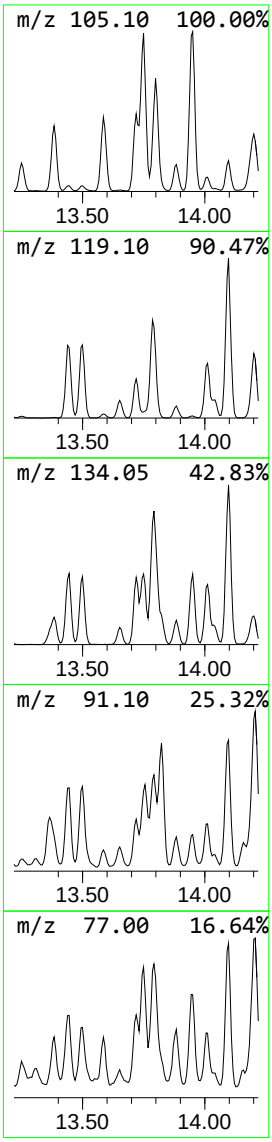
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,4-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	35.92 ug/L	442280	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

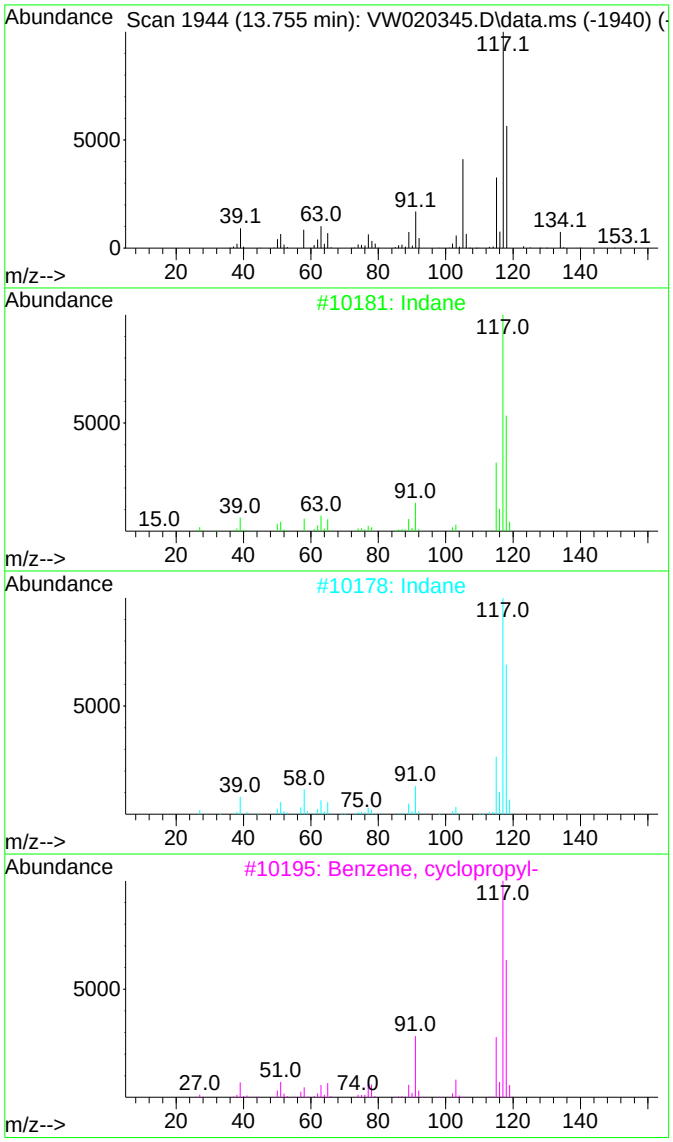
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

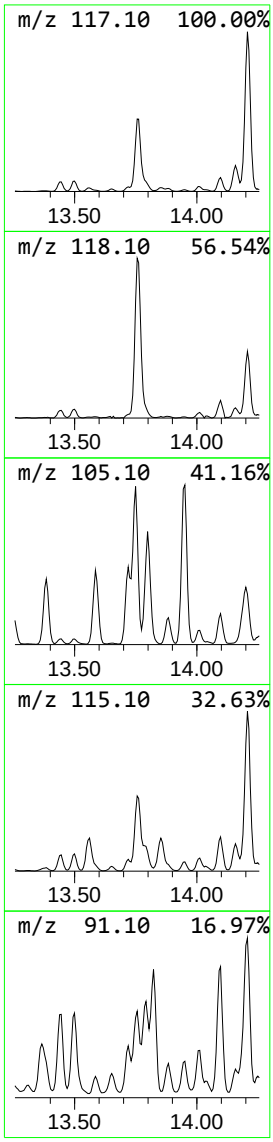
****

Peak Number 50 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	81.83 ug/L	1007510	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	68
2	Indane	118	C9H10	000496-11-7	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

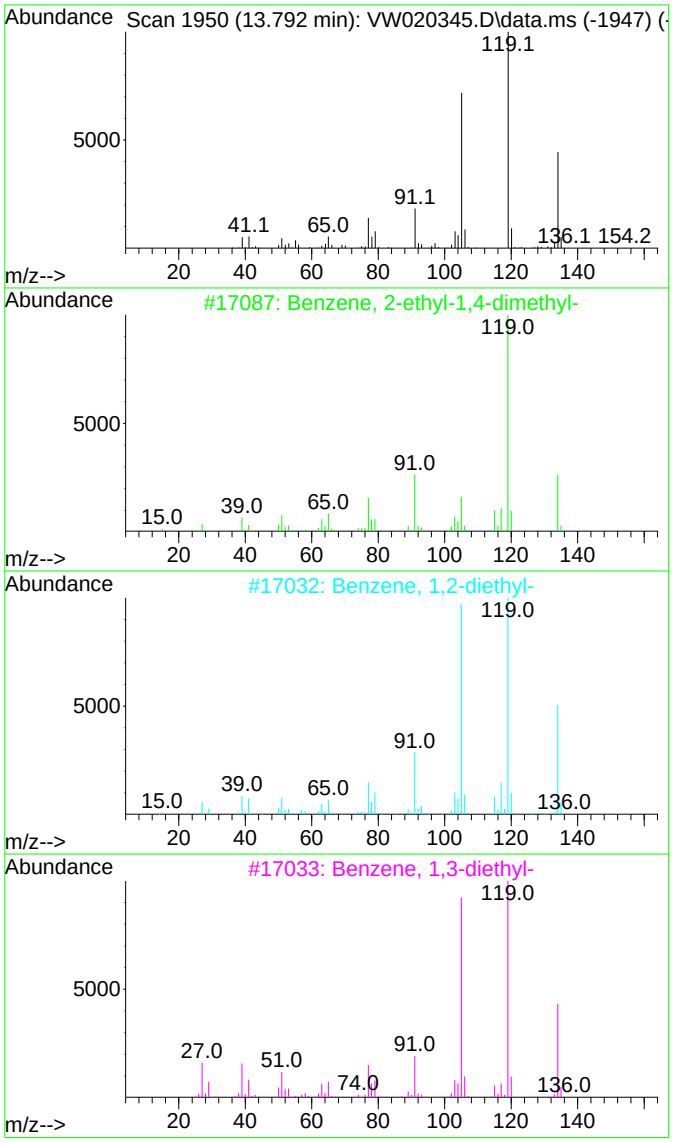
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

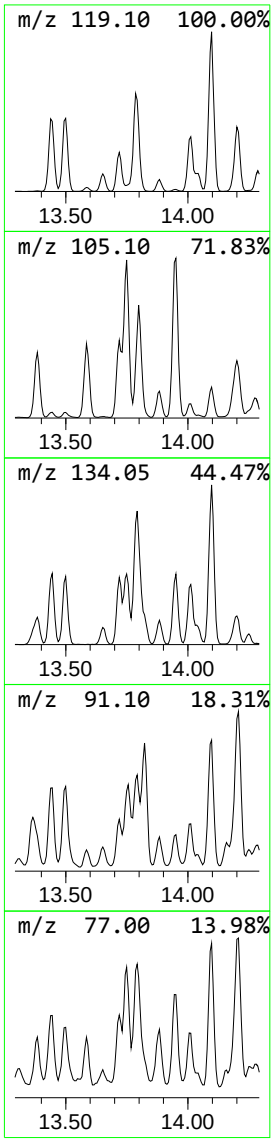
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	73.33 ug/L	902841	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	91
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

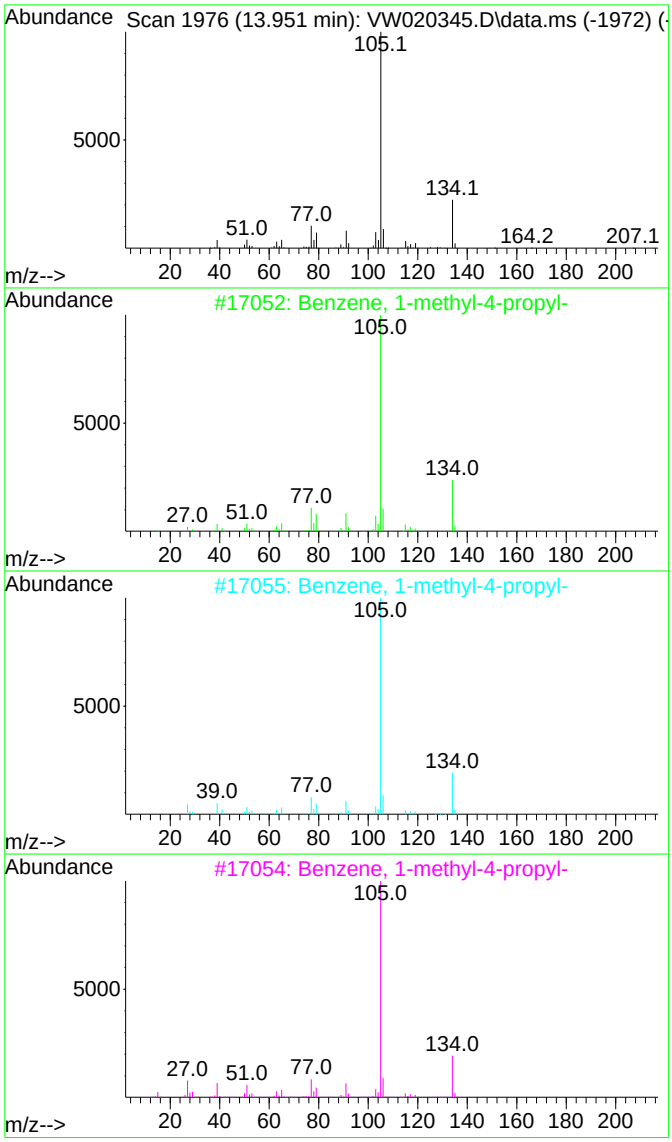
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

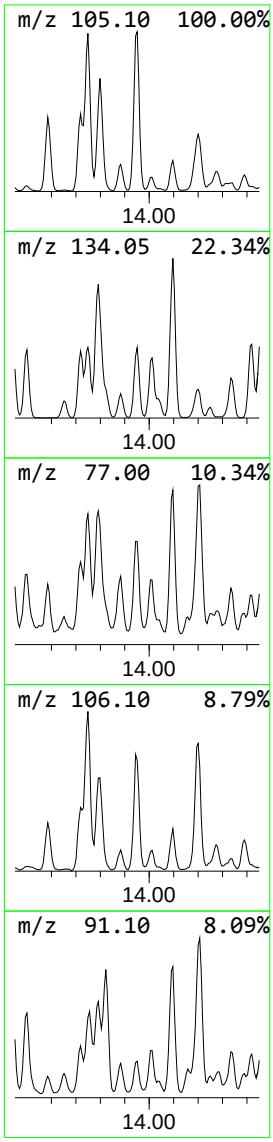
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1-methyl-4-propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.951	28.30 ug/L	348480	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	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

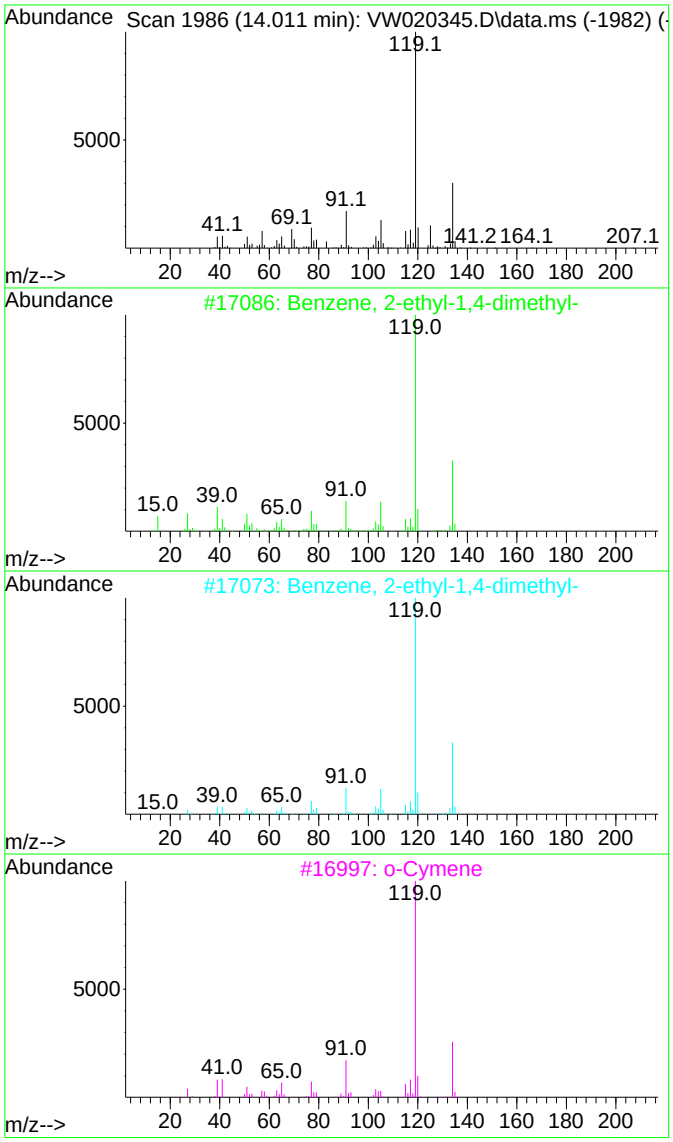
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

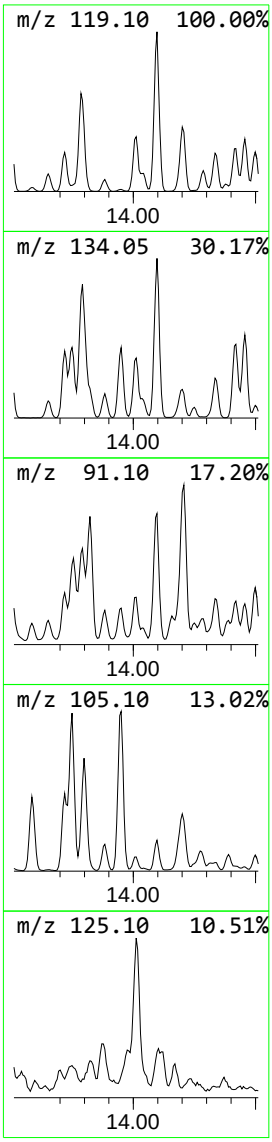
****

Peak Number 53 o-Cymene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.012	40.06 ug/L	493247	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

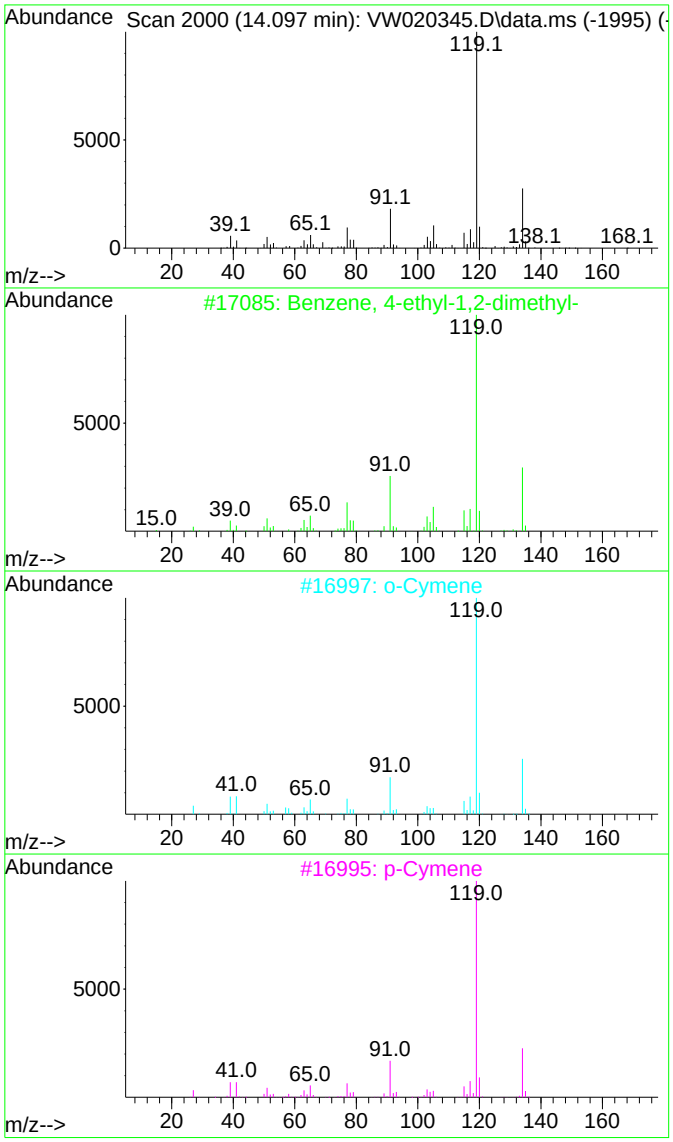
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

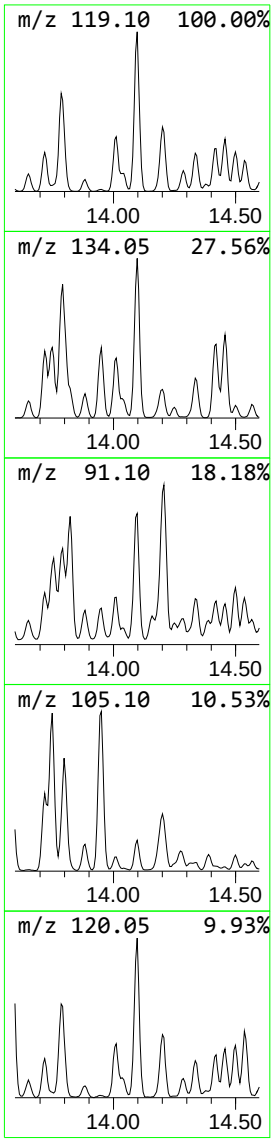
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	81.71 ug/L	1006050	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	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

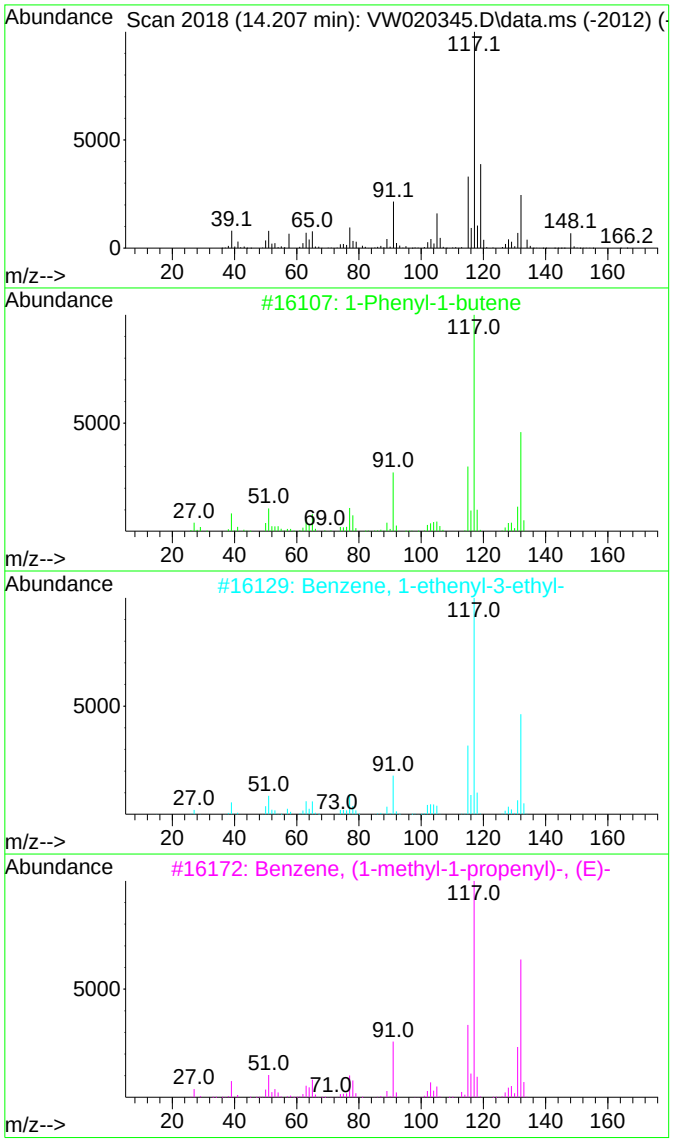
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

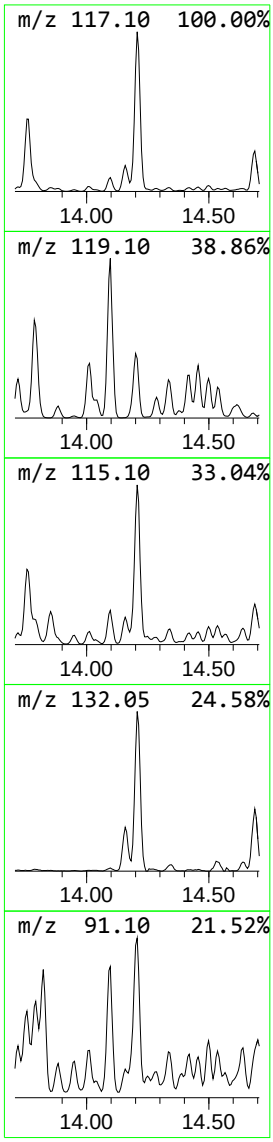
****

Peak Number 55 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	138.41 ug/L	1704100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Indan, 1-methyl-	132	C10H12	000767-58-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

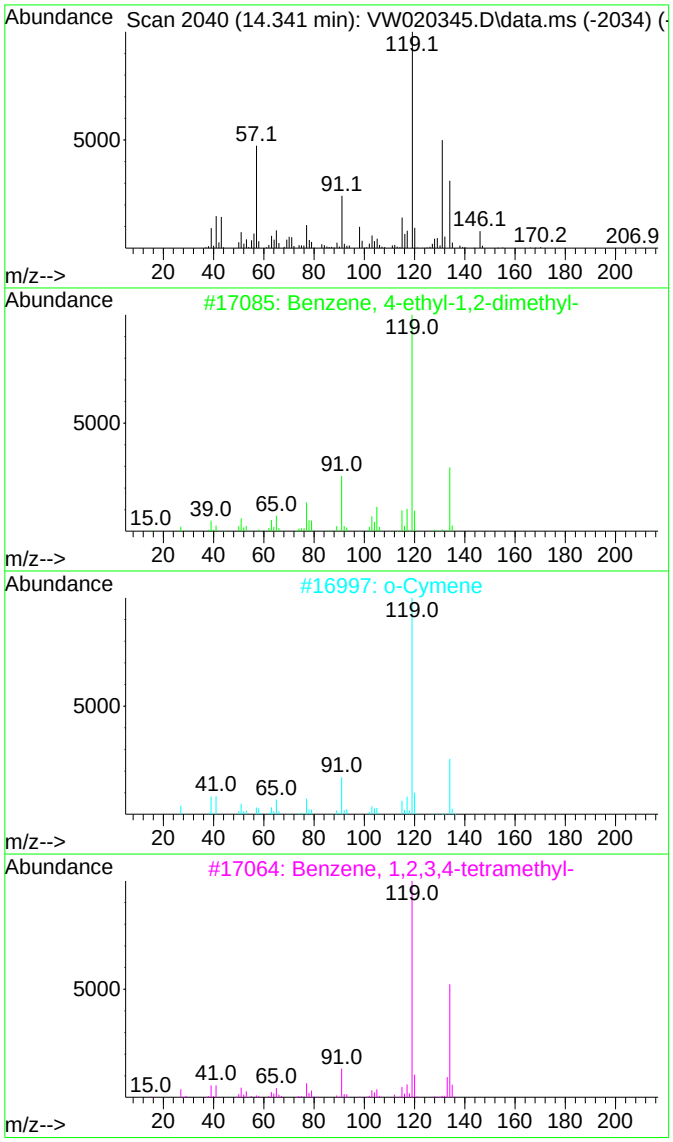
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

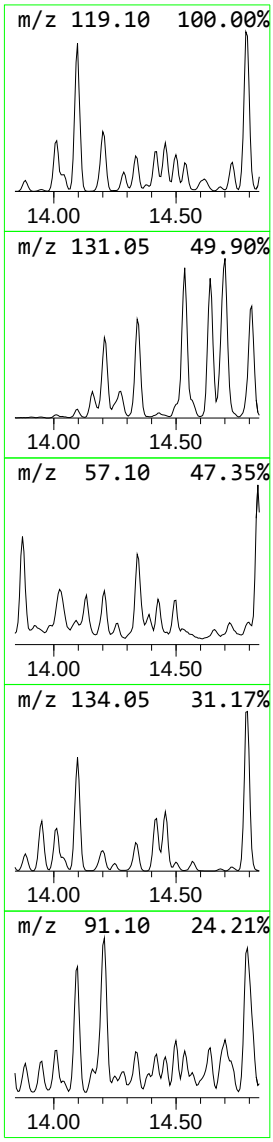
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.341	36.61 ug/L	450751	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	78
2	o-Cymene	134	C10H14	000527-84-4	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	p-Cymene	134	C10H14	000099-87-6	60
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

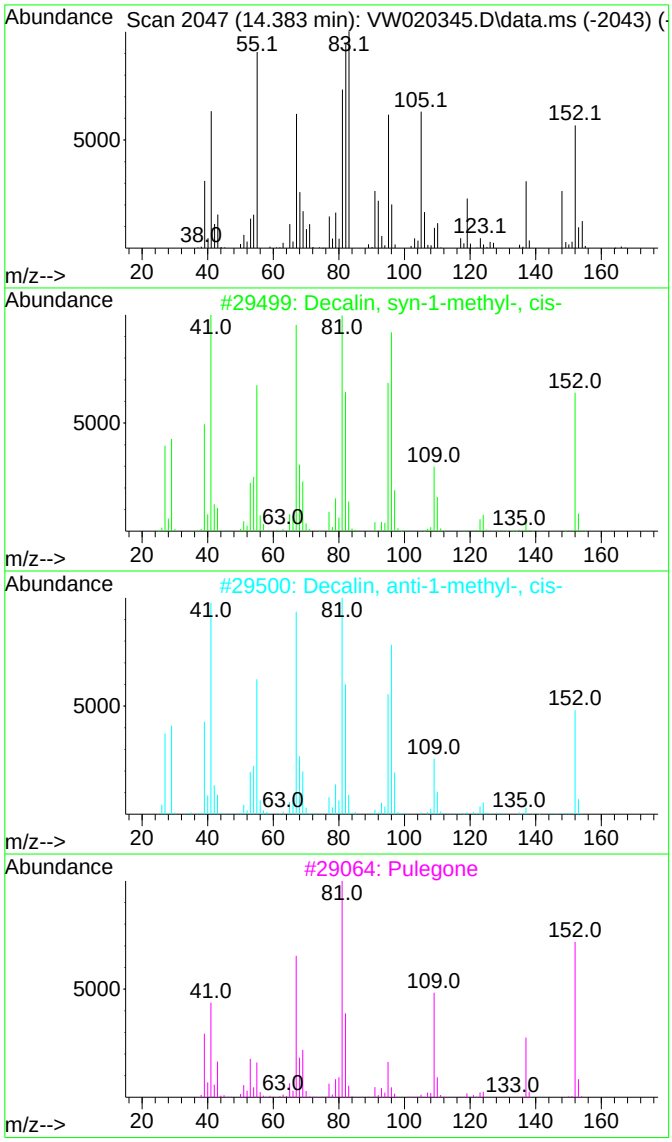
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

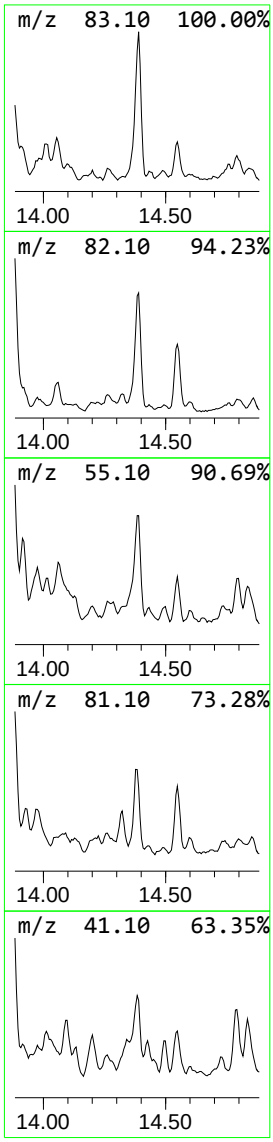
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 unknown-03 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	32.09 ug/L	395117	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	46
2	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	38
3	Pulegone	152	C10H16O	000089-82-7	30
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	30
5	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

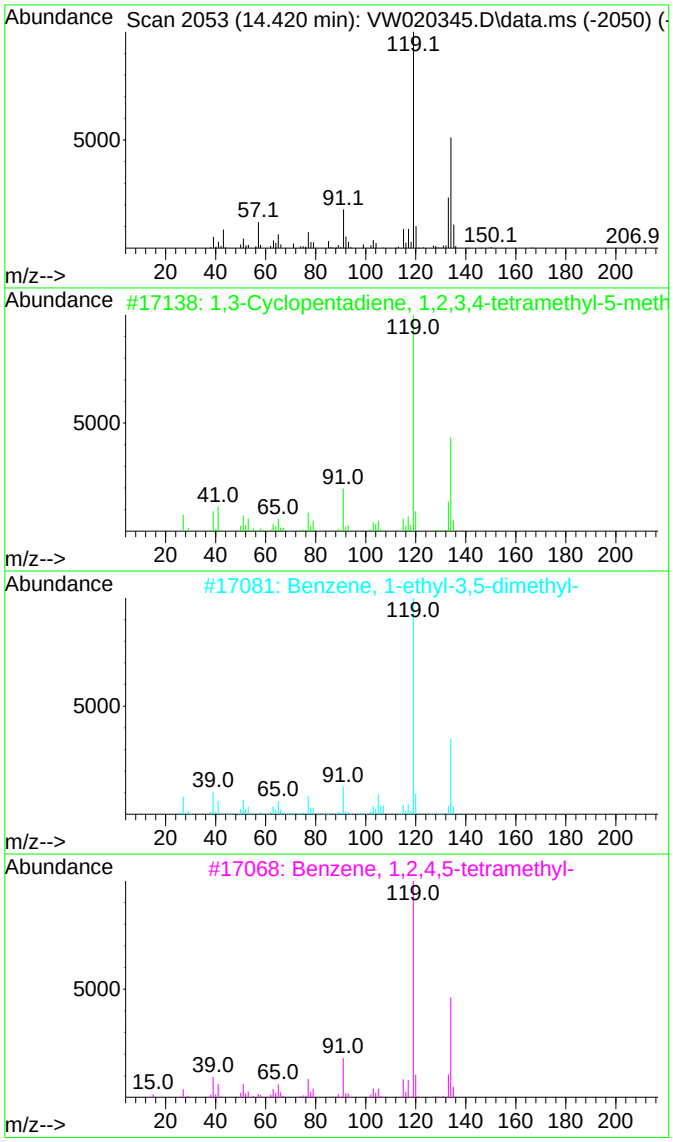
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

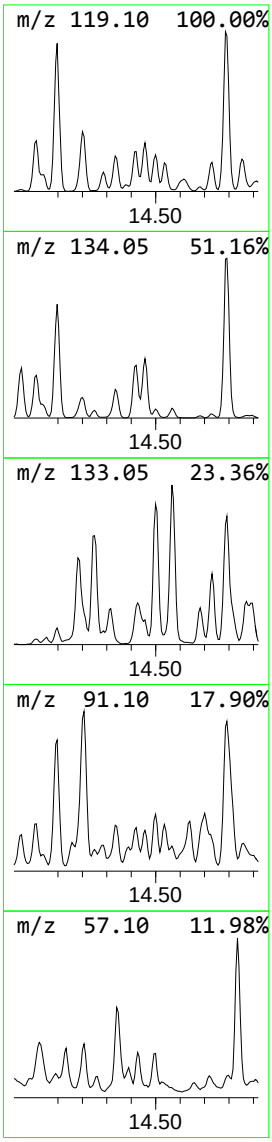
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	20.92 ug/L	257540	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

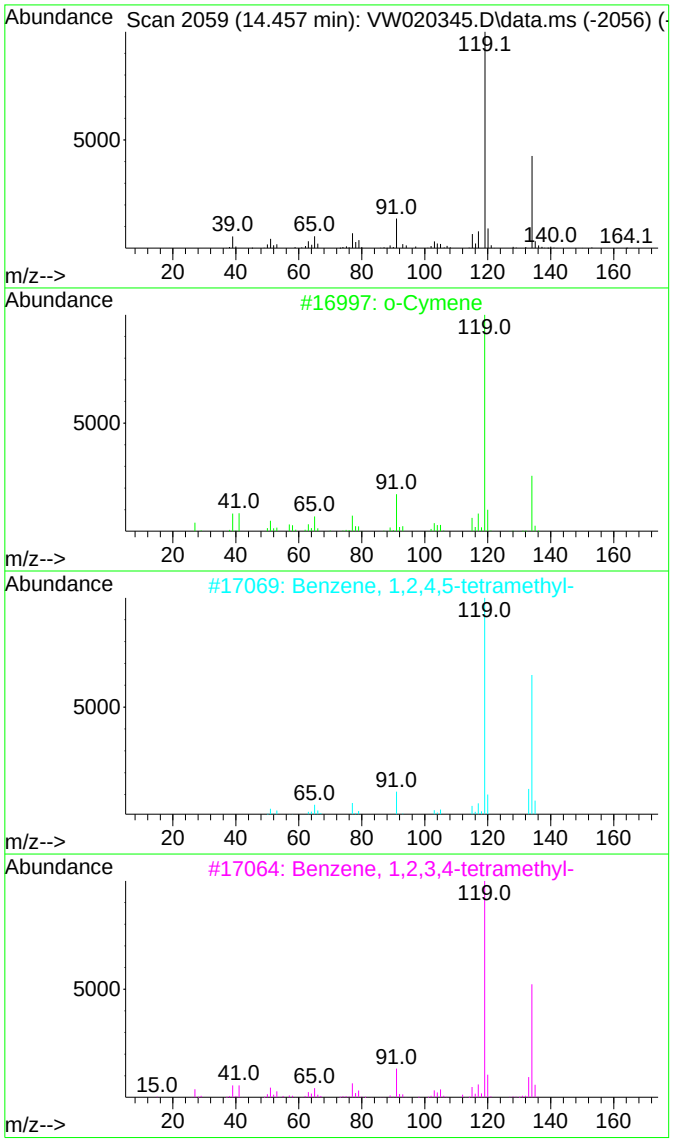
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

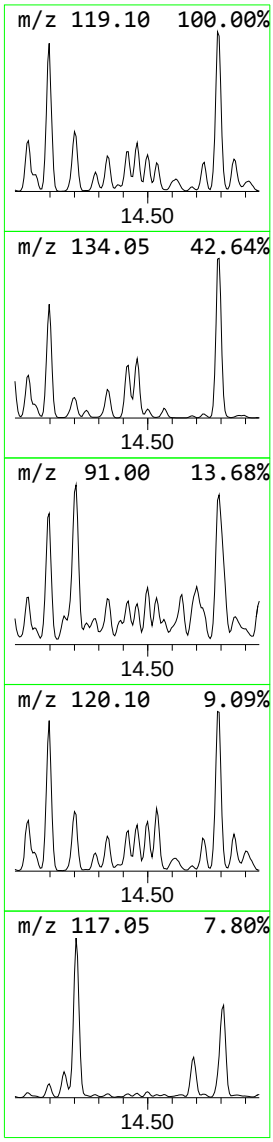
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	20.44 ug/L	251681	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

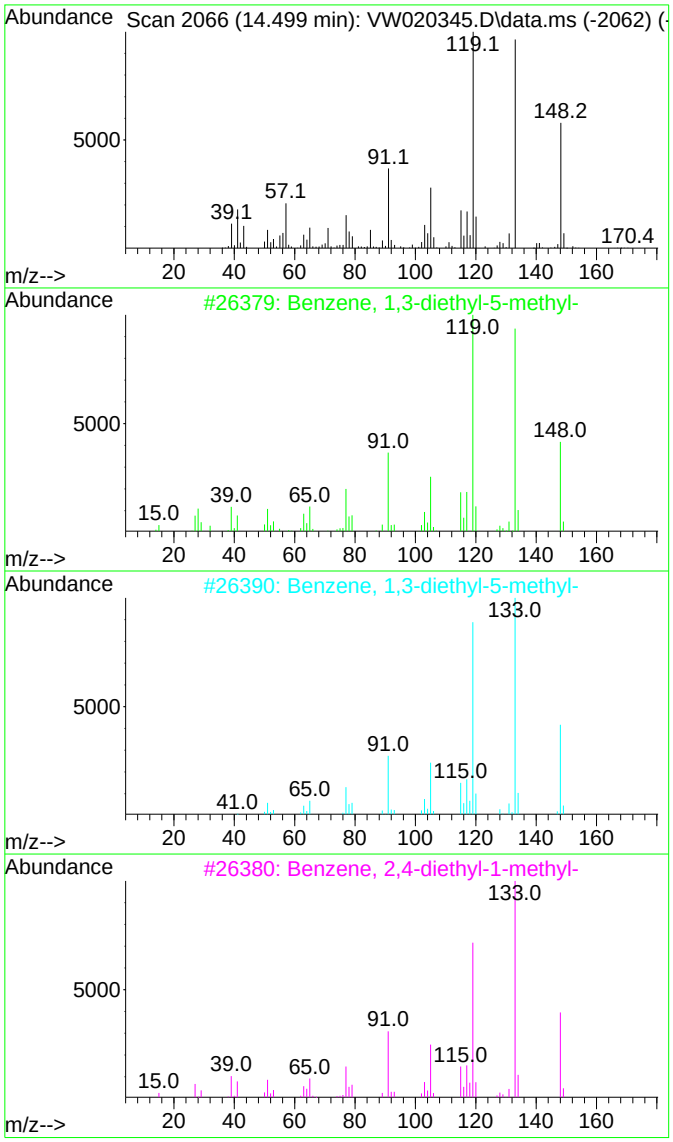
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

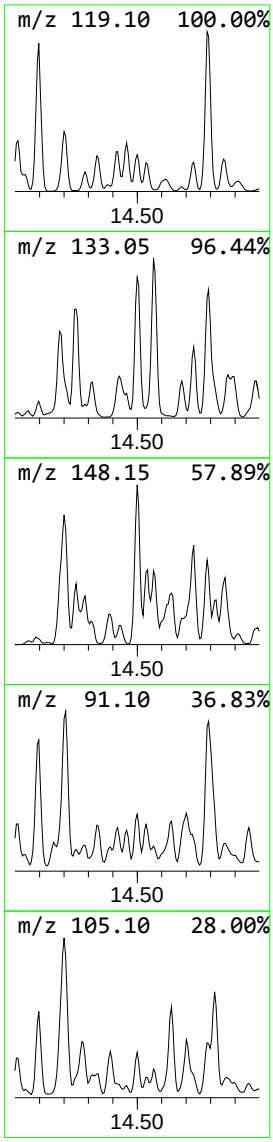
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	32.36 ug/L	398459	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

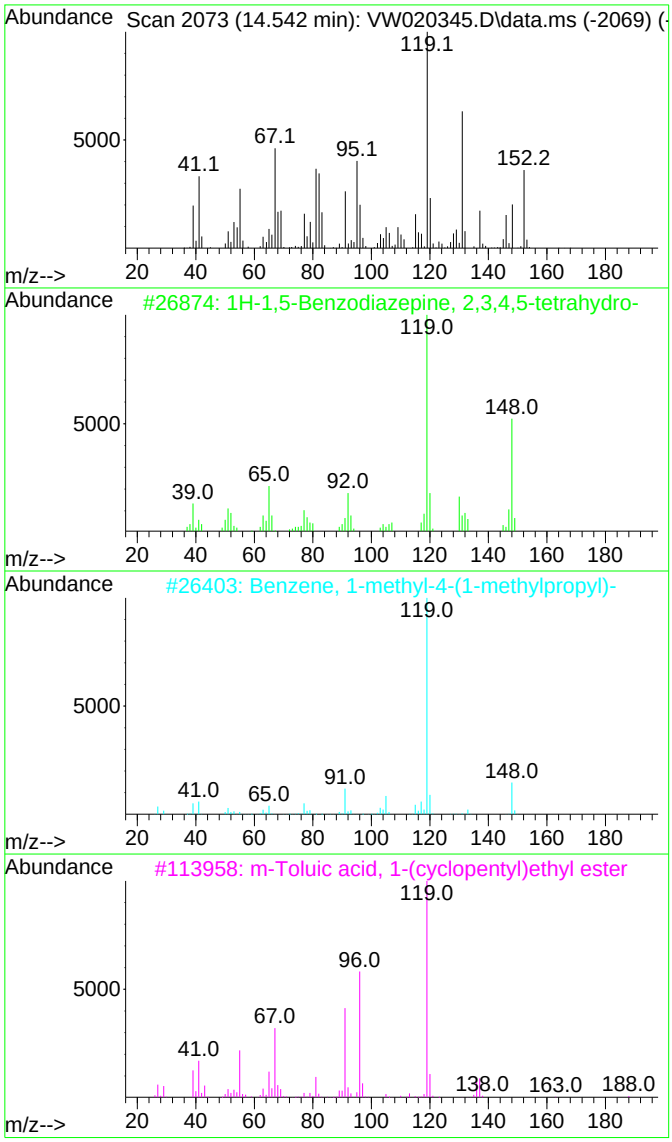
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

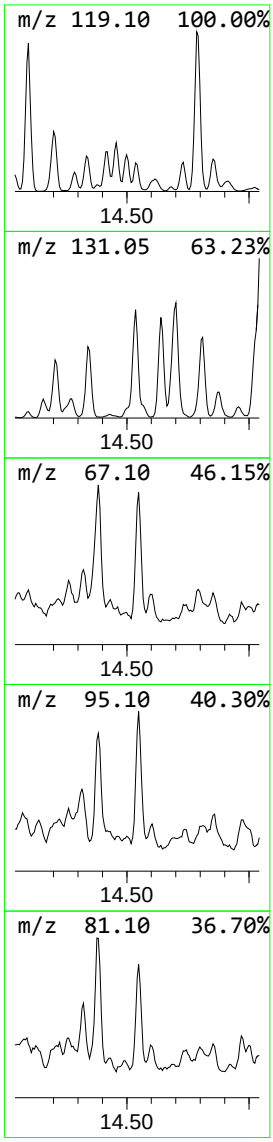
****

Peak Number 61 unknown-04 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	52.00 ug/L	640187	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	27
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	25
3	m-Toluic acid, 1-(cyclopentyl)et...	232	C15H20O2	1000293-33-0	25
4	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	22
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

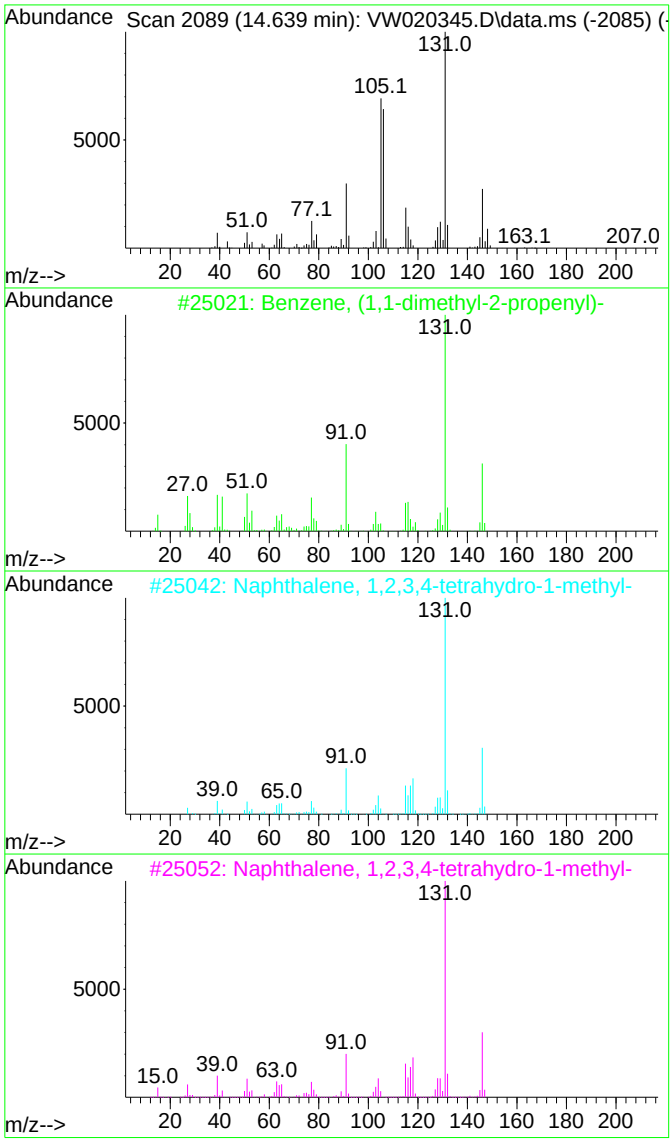
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

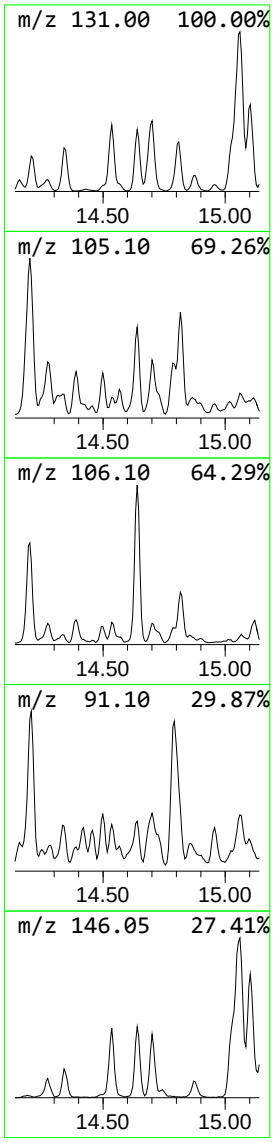
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Benzene, (1,1-dimethyl-2-pr... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	22.75 ug/L	280051	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	92
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

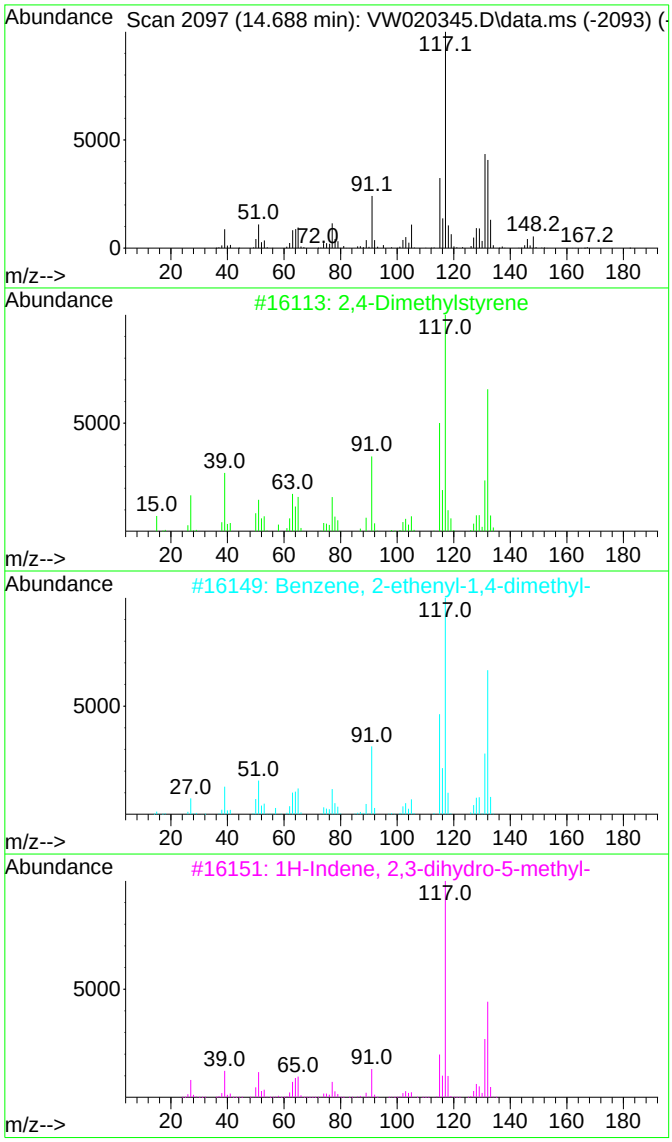
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

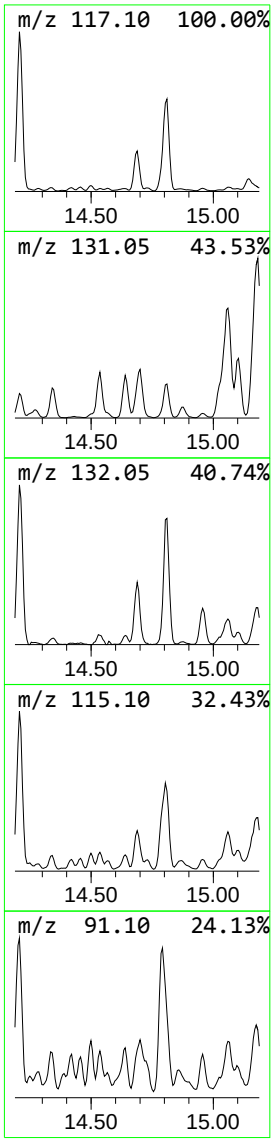
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 2,4-Dimethylstyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	44.00 ug/L	541671	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

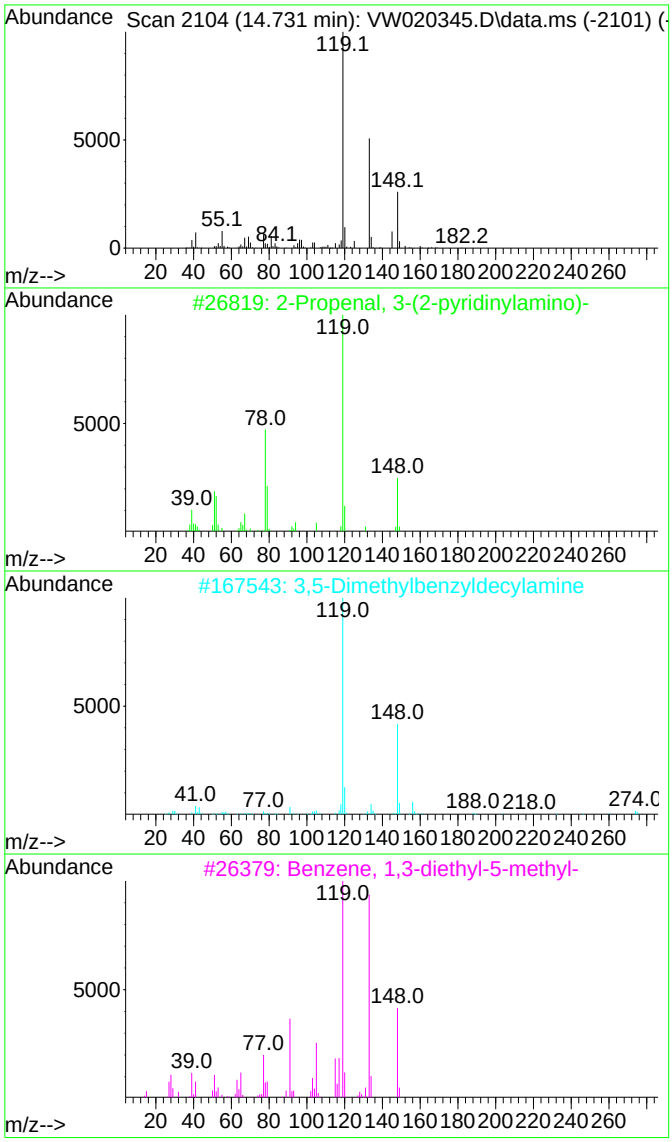
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

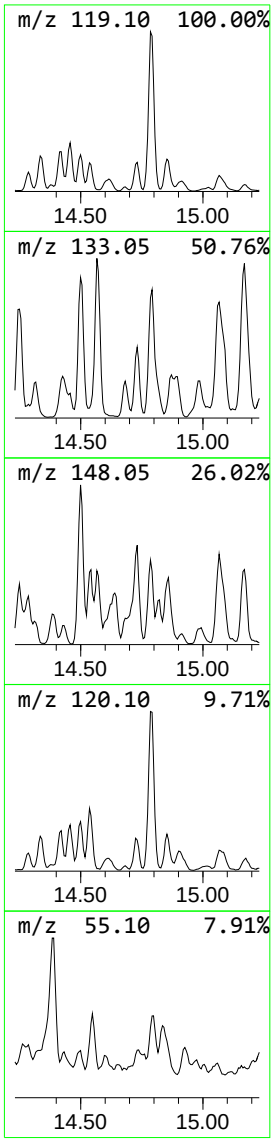
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 2-Propenal, 3-(2-pyridinyla... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	22.14 ug/L	272627	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	50
2	3,5-Dimethylbenzyldecylamine	275	C19H33N	1000491-61-2	50
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
4	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	40
5	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

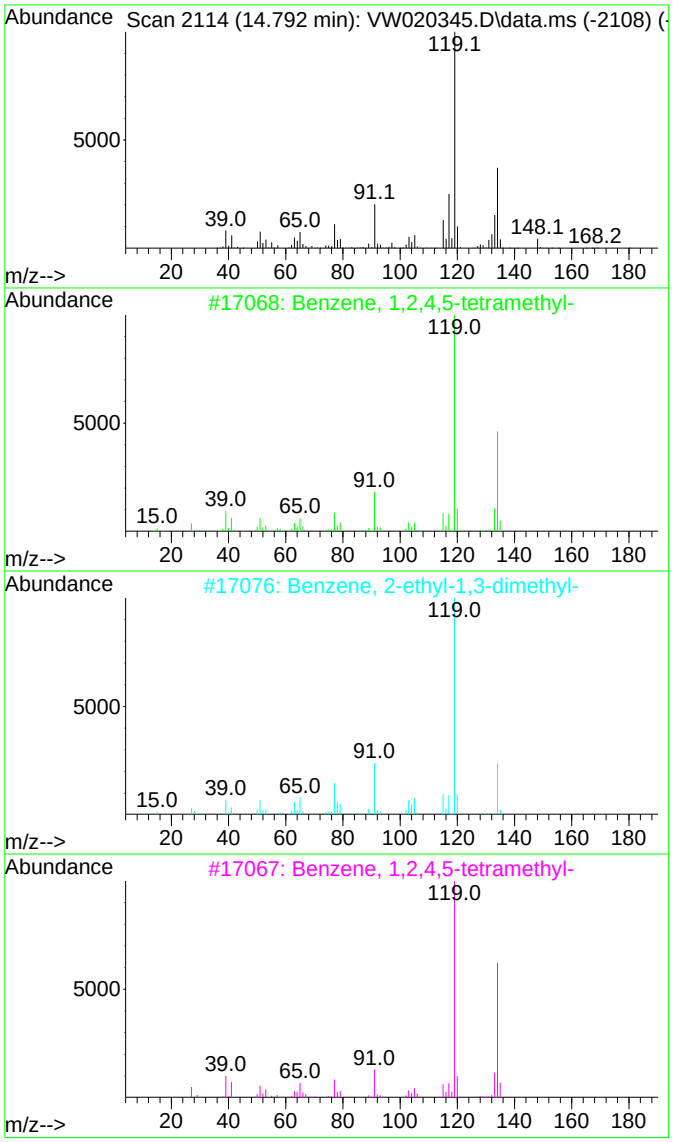
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

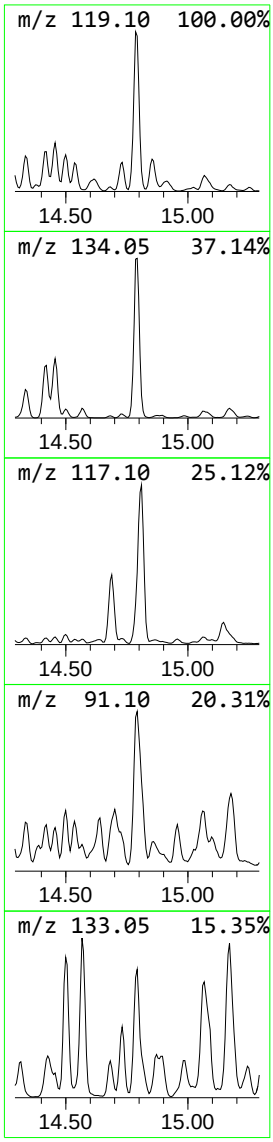
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	205.90 ug/L	2534960	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	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	92
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

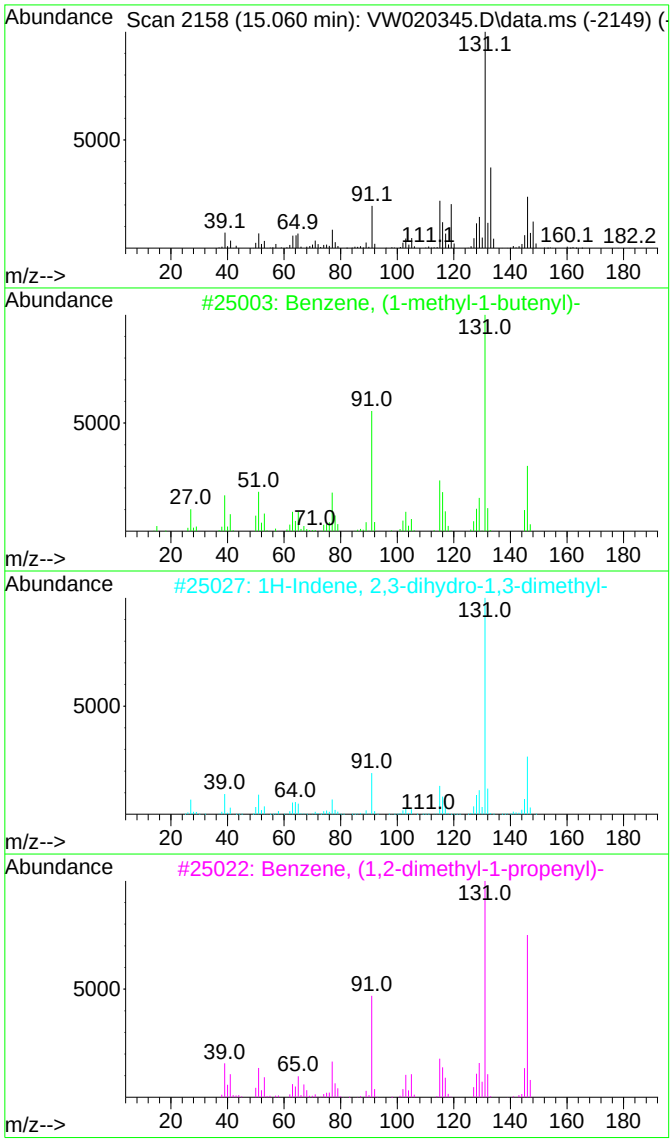
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

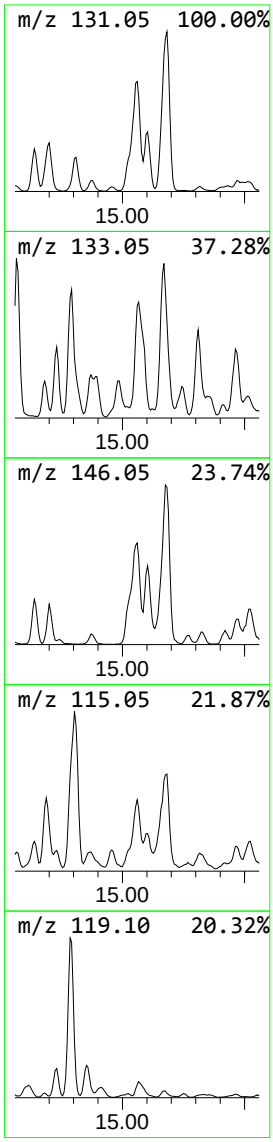
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Benzene, (1-methyl-1-butenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	68.69 ug/L	845743	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	95
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	89
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

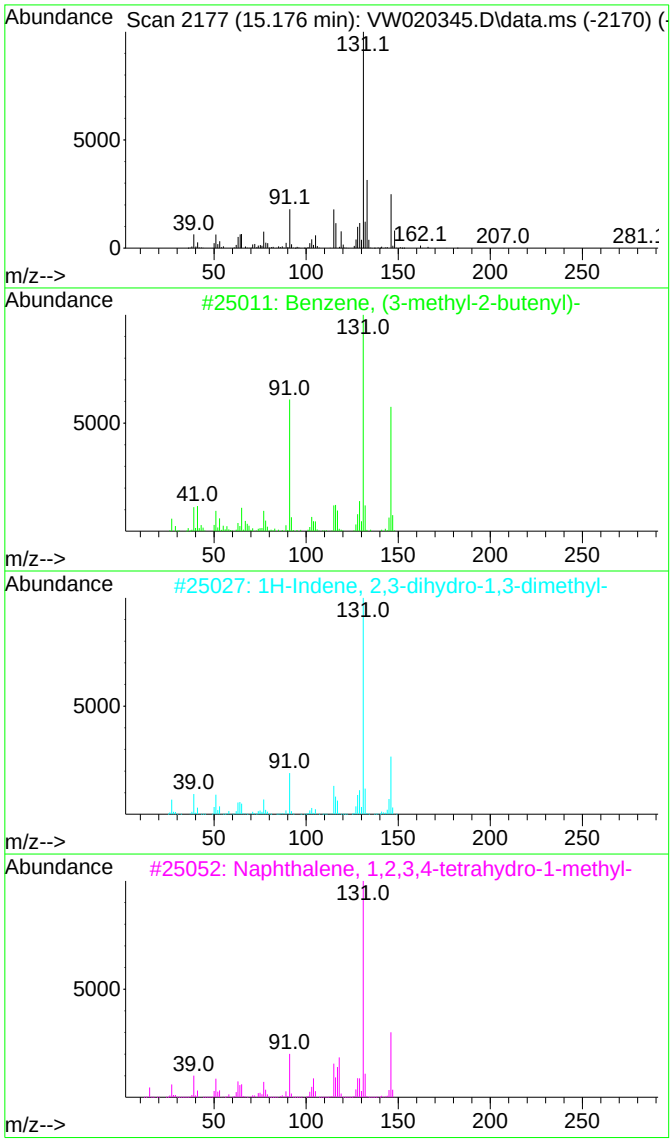
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

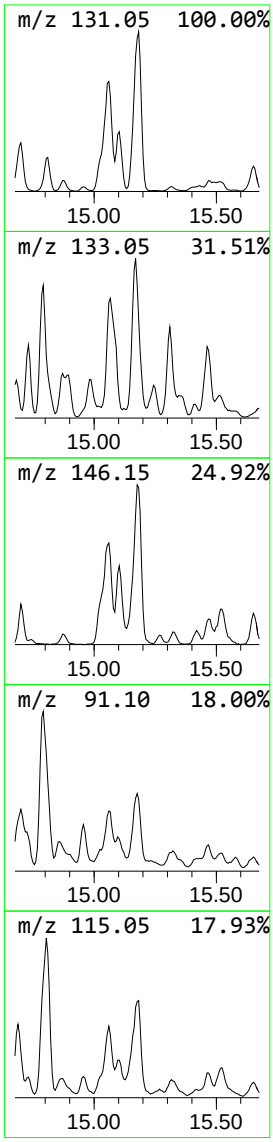
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	90.38 ug/L	1112720	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

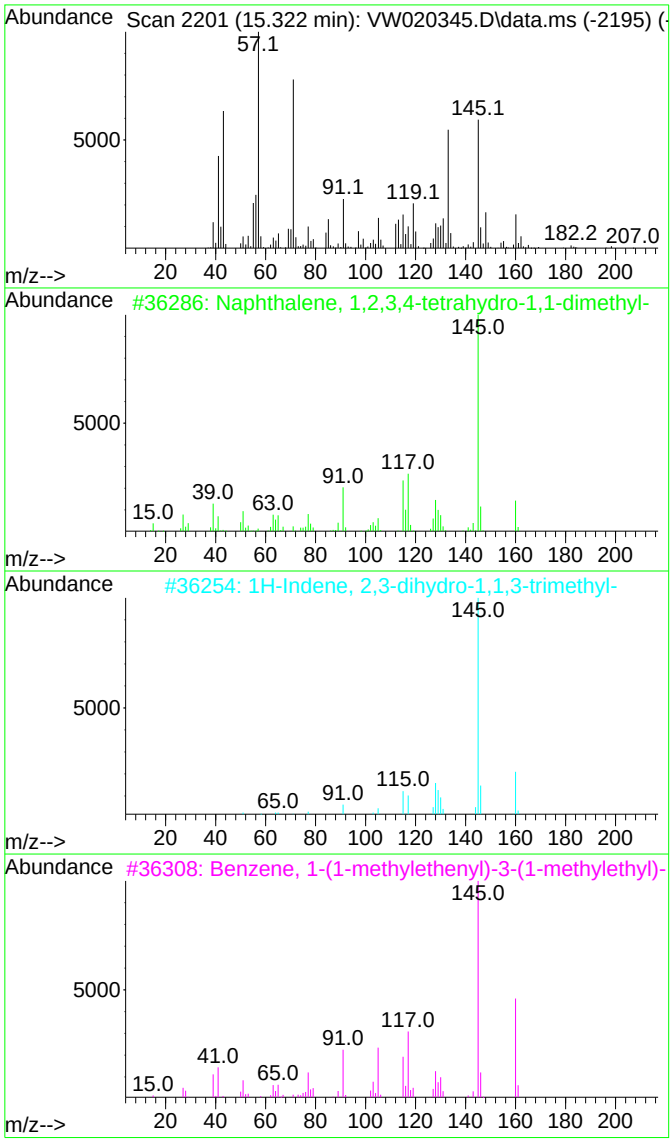
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

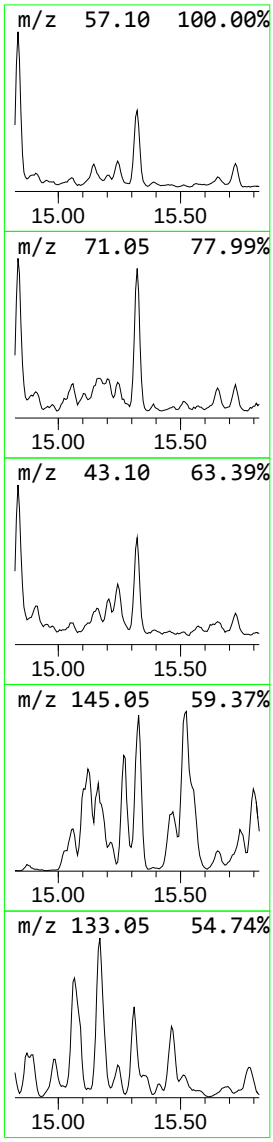
****

Peak Number 68 unknown-05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	37.68 ug/L	463960	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	47
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	35
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

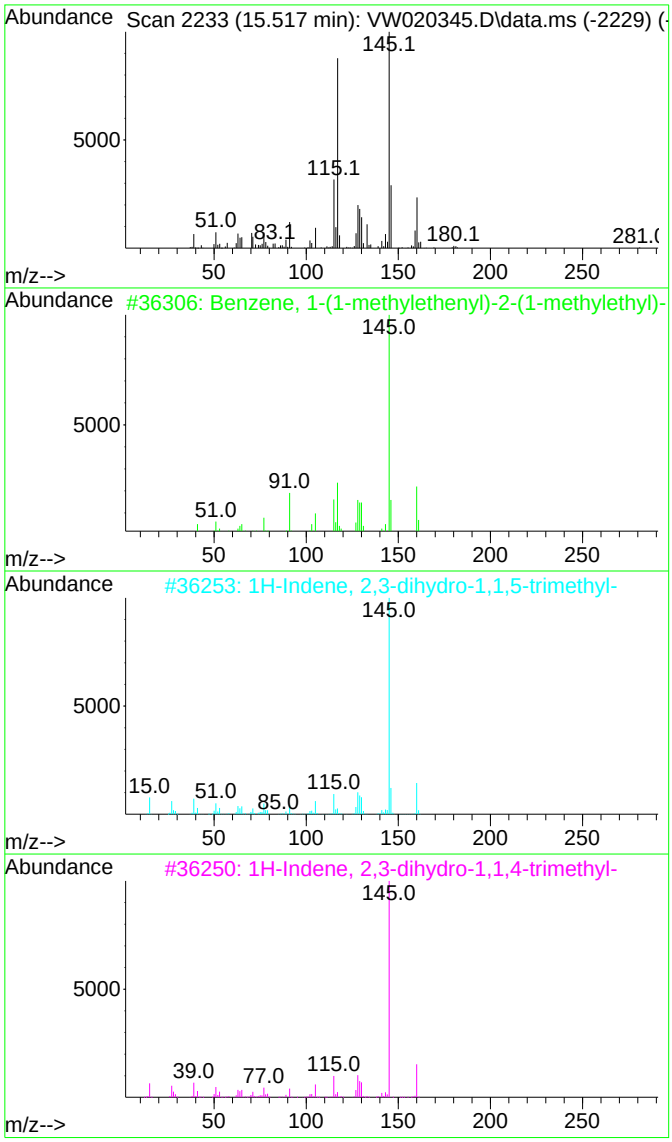
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

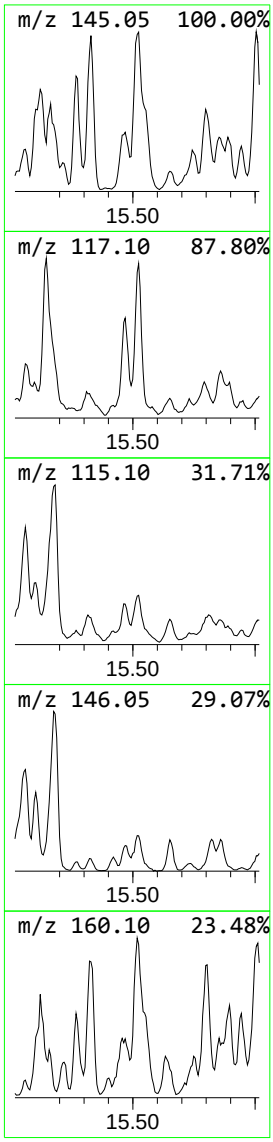
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 Benzene, 1-(1-methylethenyl... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	41.87 ug/L	515444	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
3	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	60
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	60
5	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW913

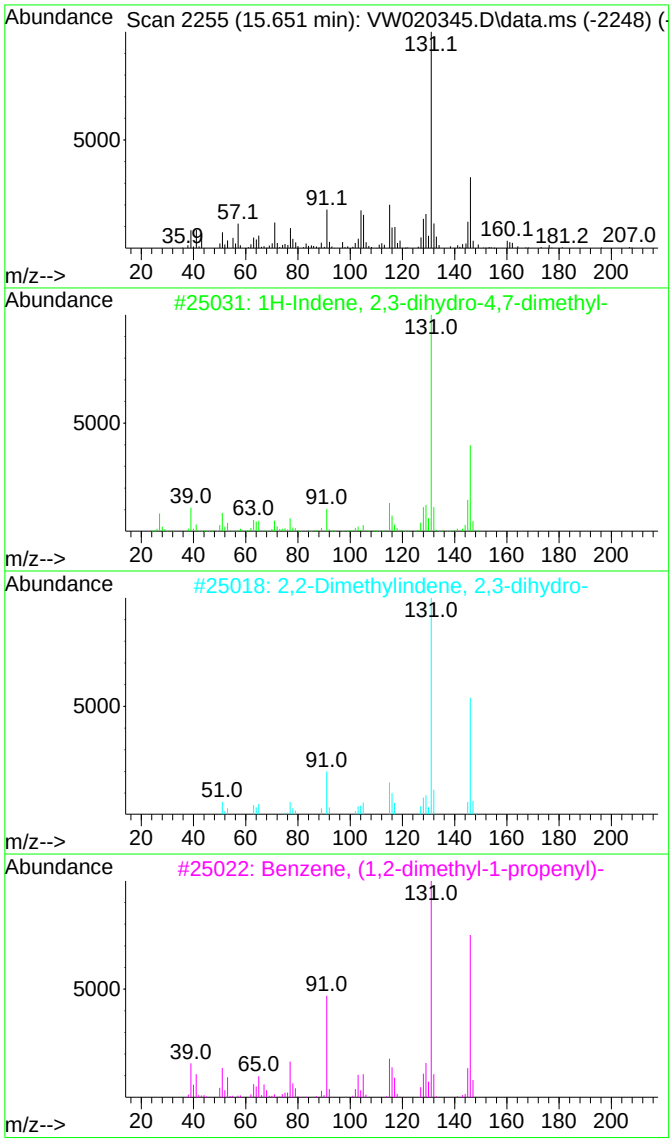
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

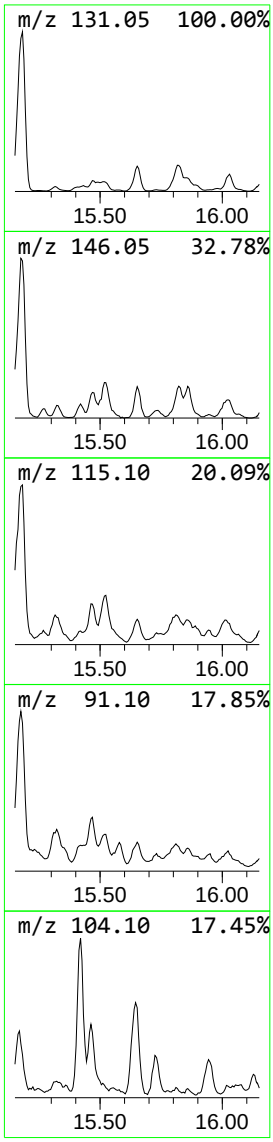
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	21.09 ug/L	259605	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020345.D
Acq On : 07 Oct 2021 04:38
Operator : SY/VA
Sample : M4000-20
Misc : 4.40g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW913

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.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...	3.026	5.3	ug/L	362492	1	8.848	1725860	25.0
(DEL) Alkane: S...	3.391	11.2	ug/L	775198	1	8.848	1725860	25.0
(DEL) Alkane: S...	5.440	29.5	ug/L	2038550	1	8.848	1725860	25.0
(DEL) Alkane: S...	5.946	59.4	ug/L	4099770	1	8.848	1725860	25.0
(DEL) Alkane: S...	6.293	3.8	ug/L	265287	1	8.848	1725860	25.0
(DEL) Alkane: S...	6.879	4.0	ug/L	275089	1	8.848	1725860	25.0
(DEL) Alkane: C...	6.988	51.1	ug/L	3530180	1	8.848	1725860	25.0
(DEL) Alkane: S...	8.037	22.3	ug/L	1539030	1	8.848	1725860	25.0
(DEL) Alkane: S...	8.159	66.1	ug/L	4563980	1	8.848	1725860	25.0
(DEL) Alkane: C...	8.226	10.4	ug/L	719502	1	8.848	1725860	25.0
(DEL) Alkane: C...	8.439	47.3	ug/L	3265320	1	8.848	1725860	25.0
(DEL) Alkane: C...	8.512	38.4	ug/L	2650000	1	8.848	1725860	25.0
(DEL) Alkane: C...	8.580	66.3	ug/L	4573230	1	8.848	1725860	25.0
(DEL) Alkane: S...	8.695	100.0	ug/L	6903100	1	8.848	1725860	25.0
(DEL) Alkane: C...	9.518	35.0	ug/L	2419220	1	8.848	1725860	25.0
(DEL) Alkane: C...	9.610	30.2	ug/L	2083340	1	8.848	1725860	25.0
(DEL) Alkane: C...	9.756	39.2	ug/L	2705780	1	8.848	1725860	25.0
(DEL) Alkane: S...	9.902	11.9	ug/L	821307	1	8.848	1725860	25.0
(DEL) Alkane: S...	9.957	75.0	ug/L	5175600	1	8.848	1725860	25.0
(DEL) Alkane: S...	10.098	50.4	ug/L	3480350	1	8.848	1725860	25.0
(DEL) Alkane: C...	10.451	18.8	ug/L	901720	2	11.634	1197480	25.0
unknown-01	10.506	126.6	ug/L	6061410	2	11.634	1197480	25.0
(DEL) Alkane: C...	10.665	65.8	ug/L	3151410	2	11.634	1197480	25.0
(DEL) Alkane: C...	10.756	70.2	ug/L	3364040	2	11.634	1197480	25.0
5,5-Dimethyl-1,...	11.024	25.8	ug/L	1233700	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.104	23.9	ug/L	1147000	2	11.634	1197480	25.0
unknown-02	11.146	27.9	ug/L	1334100	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.183	74.8	ug/L	3580870	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.232	70.7	ug/L	3388570	2	11.634	1197480	25.0
(DEL) Alkane: S...	11.335	29.2	ug/L	1399400	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.439	61.8	ug/L	2960770	2	11.634	1197480	25.0
(DEL) Alkane: S...	11.512	30.5	ug/L	1460890	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.555	13.9	ug/L	665802	2	11.634	1197480	25.0
(DEL) Alkane: C...	11.914	20.3	ug/L	969938	2	11.634	1197480	25.0
(DEL) Alkane: S...	12.250	23.7	ug/L	1135630	2	11.634	1197480	25.0
(DEL) Alkane: C...	12.305	8.2	ug/L	391176	2	11.634	1197480	25.0
1H-Indene, octa...	12.341	35.5	ug/L	1701560	2	11.634	1197480	25.0
(DEL) Alkane: S...	12.536	11.8	ug/L	567354	2	11.634	1197480	25.0
(DEL) Alkane: S...	12.780	110.7	ug/L	1362400	3	13.560	307795	25.0
Benzene, 1-ethy...	12.865	45.8	ug/L	563812	3	13.560	307795	25.0
Benzene, 1-ethy...	13.103	181.5	ug/L	2235100	3	13.560	307795	25.0
(DEL) Alkane: S...	13.164	74.9	ug/L	921933	3	13.560	307795	25.0
p-Cymene	13.445	95.5	ug/L	1175610	3	13.560	307795	25.0
Benzene, 1-meth...	13.493	56.8	ug/L	699711	3	13.560	307795	25.0
Benzene, 1,4-di...	13.719	35.9	ug/L	442280	3	13.560	307795	25.0
Indane	13.755	81.8	ug/L	1007510	3	13.560	307795	25.0
Benzene, 2-ethy...	13.792	73.3	ug/L	902841	3	13.560	307795	25.0
Benzene, 1-meth...	13.951	28.3	ug/L	348480	3	13.560	307795	25.0
o-Cymene	14.012	40.1	ug/L	493247	3	13.560	307795	25.0
Benzene, 4-ethy...	14.097	81.7	ug/L	1006050	3	13.560	307795	25.0
1-Phenyl-1-butene	14.207	138.4	ug/L	1704100	3	13.560	307795	25.0
Benzene, 1,2,3,...	14.341	36.6	ug/L	450751	3	13.560	307795	25.0

unknown-03	14.383	32.1	ug/L	395117	3	13.560	307795	25.0
1,3-Cyclopentad...	14.420	20.9	ug/L	257540	3	13.560	307795	25.0
Benzene, 1,2,4,...	14.457	20.4	ug/L	251681	3	13.560	307795	25.0
Benzene, 1,3-di...	14.499	32.4	ug/L	398459	3	13.560	307795	25.0
unknown-04	14.542	52.0	ug/L	640187	3	13.560	307795	25.0
Benzene, (1,1-d...	14.639	22.8	ug/L	280051	3	13.560	307795	25.0
2,4-Dimethylsty...	14.688	44.0	ug/L	541671	3	13.560	307795	25.0
2-Propenal, 3-(...	14.731	22.1	ug/L	272627	3	13.560	307795	25.0
Benzene, 2-ethy...	14.792	205.9	ug/L	2534960	3	13.560	307795	25.0
Benzene, (1-met...	15.060	68.7	ug/L	845743	3	13.560	307795	25.0
Benzene, (3-met...	15.176	90.4	ug/L	1112720	3	13.560	307795	25.0
unknown-05	15.322	37.7	ug/L	463960	3	13.560	307795	25.0
Benzene, 1-(1-m...	15.517	41.9	ug/L	515444	3	13.560	307795	25.0
1H-Indene, 2,3-...	15.651	21.1	ug/L	259605	3	13.560	307795	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW913