LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

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\SFAMWLM092121SMA.M
Title : SFAM01.0

Signal : TIC: VW020250.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.245	49	56	58	rBV5	1692	3201	0.04%	0.005%
2	2.361	69	75	83	rVB	61170	102796	1.16%	0.157%
3	2.897	156	163	174	rVB	43018	100314	1.13%	0.153%
4	3.397	240	245	252	rVV6	1651	3893	0.04%	0.006%
5	4.025	337	348	359	rVV	76718	204691	2.31%	0.313%
6	4.129	359	365	375	rVV2	2985	8202	0.09%	0.013%
7	4.385	400	407	416	rBV3	1599	4143	0.05%	0.006%
8	4.927	484	496	512	rBV6	5859	26612	0.30%	0.041%
9	5.452	571	582	589	rVV3	2750	8605	0.10%	0.013%
10	5.951	655	664	677	rVB3	8534	27153	0.31%	0.042%
11	6.720	787	790	799	rVB4	531	1492	0.02%	0.002%
12	6.878	810	816	824	rVB3	1025	2689	0.03%	0.004%
13	7.000	825	836	842	rVV3	8638	24557	0.28%	0.038%
14	7.079	842	849	858	rVV	9387	27618	0.31%	0.042%
15	7.171	860	864	875	rVB4	4836	12392	0.14%	0.019%
16	7.652	933	943	961	rVB	101686	254075	2.86%	0.388%
17	7.939	980	990	992	rBV4	17476	42514	0.48%	0.065%
18	8.043	1000	1007	1015	rVB3	9371	25988	0.29%	0.040%
19	8.165	1017	1027	1033	rBV2	27681	64029	0.72%	0.098%
20	8.280	1033	1046	1062	rVB2	192604	577494	6.51%	0.883%
21	8.439	1062	1072	1078	rBV5	22890	58691	0.66%	0.090%
22	8.512	1079	1084	1089	rVV2	20661	46904	0.53%	0.072%
23	8.579	1089	1095	1105	rVB2	40230	89482	1.01%	0.137%
24	8.701	1105	1115	1125	rBV	61781	123857	1.40%	0.189%
25	8.847	1129	1139	1153	rBV	240597	492151	5.55%	0.752%
26	9.006	1159	1165	1170	rVB3	1725	3460	0.04%	0.005%
27	9.091	1170	1179	1194	rBV10	11937	41337	0.47%	0.063%
28	9.280	1201	1210	1215	rBV	136789	329467	3.71%	0.504%
29	9.341	1215	1220	1227	rVB	178348	356315	4.02%	0.545%
30	9.524	1235	1250	1256	rBV	31689	68575	0.77%	0.105%
31	9.609	1256	1264	1271	rVB	40000	82217	0.93%	0.126%
32	9.683	1271	1276	1278	rBV3	5957	9873	0.11%	0.015%
33	9.756	1282	1288	1295	rVB2	61911	120920	1.36%	0.185%
34	9.859	1299	1305	1307	rBV3	11445	20541	0.23%	0.031%
35	9.902	1307	1312	1316	rVV3	19929	32900	0.37%	0.050%
36	9.963	1316	1322	1326	rVV	85434	163632	1.84%	0.250%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

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\SFAMWLM092121SMA.M
Title : SFAM01.0

37	10.036	1330	1334	1338	rVV	53474	93080	1.05%	0.142%
38	10.097	1338	1344	1355	rVB3	68298	173607	1.96%	0.265%
39	10.207	1356	1362	1366	rBV2	30579	60147	0.68%	0.092%
40	10.323	1374	1381	1387	rBV	436710	847215	9.55%	1.295%
41	10.451	1397	1402	1404	rBV2	24394	39206	0.44%	0.060%
42	10.506	1404	1411	1418	rVB4	197762	408098	4.60%	0.624%
43	10.579	1418	1423	1427	rBV2	43553	79397	0.89%	0.121%
44	10.670	1433	1438	1444	rVB	123466	217173	2.45%	0.332%
45	10.756	1445	1452	1462	rBV4	83961	222209	2.50%	0.340%
46	10.847	1464	1467	1472	rVB3	26245	42371	0.48%	0.065%
47	10.932	1472	1481	1487	rBV2	92793	199485	2.25%	0.305%
48	11.018	1488	1495	1499	rBV5	37588	102772	1.16%	0.157%
49	11.103	1505	1509	1513	rBV3	51875	88851	1.00%	0.136%
50	11.146	1513	1516	1517	rVV2	48685	59982	0.68%	0.092%
51	11.182	1518	1522	1526	rVV	181729	301250	3.39%	0.460%
52	11.231	1526	1530	1535	rVB	199592	330317	3.72%	0.505%
53	11.286	1535	1539	1543	rVB4	34610	48817	0.55%	0.075%
54	11.335	1543	1547	1552	rVB2	82950	136625	1.54%	0.209%
55	11.432	1555	1563	1572	rVB6	93538	277502	3.13%	0.424%
56	11.511	1572	1576	1581	rBV	101813	171649	1.93%	0.262%
57	11.633	1590	1596	1602	rBV	326822	560949	6.32%	0.857%
58	11.725	1608	1611	1615	rBV2	49657	74319	0.84%	0.114%
59	11.768	1615	1618	1621	rBV	30687	35609	0.40%	0.054%
60	11.810	1621	1625	1627	rBV2	63513	107155	1.21%	0.164%
61	11.841	1627	1630	1633	rBV	112613	143507	1.62%	0.219%
62	11.975	1648	1652	1656	rBV4	23307	39637	0.45%	0.061%
63	12.139	1673	1679	1687	rBV3	167562	445079	5.02%	0.680%
64	12.255	1694	1698	1701	rVB	141309	208409	2.35%	0.319%
65	12.304	1701	1706	1707	rBV2	60751	89786	1.01%	0.137%
66	12.341	1708	1712	1715	rBV	187821	339460	3.83%	0.519%
67	12.652	1760	1763	1766	rVB	81172	91376	1.03%	0.140%
68	12.694	1766	1770	1776	rVB2	154720	241260	2.72%	0.369%
69	12.786	1780	1785	1791	rVB3	233982	467163	5.26%	0.714%
70	12.859	1792	1797	1800	rBV4	84334	177068	2.00%	0.271%
71	12.901	1800	1804	1806	rBV	234099	362441	4.08%	0.554%
72	13.103	1830	1837	1843	rBV	973267	1679040	18.92%	2.566%
73	13.164	1844	1847	1857	rVB4	242013	443518	5.00%	0.678%
74	13.255	1857	1862	1866	rBV	202524	341836	3.85%	0.522%
75	13.444	1888	1893	1897	rBV3	285572	528531	5.96%	0.808%
76	13.487	1897	1900	1907	rVV3	177139	366611	4.13%	0.560%

LSC Area Percent Report

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Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

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\SFAMWLM092121SMA.M
Title : SFAM01.0

77	13.554	1908	1911	1913	rVV2	274617	380391	4.29%	0.581%
78	13.584	1913	1916	1920	rVB	620313	886088	9.98%	1.354%
79	13.718	1933	1938	1941	rBV	677733	1054508	11.88%	1.612%
80	13.755	1941	1944	1948	rVV	766655	1152372	12.99%	1.761%
81	13.798	1948	1951	1958	rVB2	662854	1279096	14.41%	1.955%
82	13.883	1961	1965	1969	rVB2	677033	1067275	12.03%	1.631%
83	13.950	1972	1976	1981	rVB	656104	882803	9.95%	1.349%
84	14.011	1982	1986	1989	rBV	743438	1065934	12.01%	1.629%
85	14.096	1995	2000	2005	rBV	2224004	3178384	35.82%	4.858%
86	14.206	2012	2018	2023	rVB2	2570803	4310451	48.57%	6.588%
87	14.340	2035	2040	2044	rBV2	777062	1258952	14.19%	1.924%
88	14.389	2044	2048	2050	rVV3	487542	752904	8.48%	1.151%
89	14.419	2050	2053	2056	rVV	1017635	1507256	16.98%	2.304%
90	14.456	2056	2059	2063	rVB	1297535	1646913	18.56%	2.517%
91	14.499	2063	2066	2069	rVB	852855	989991	11.16%	1.513%
92	14.541	2069	2073	2076	rBV2	368467	604057	6.81%	0.923%
93	14.688	2092	2097	2101	rBV3	1300690	2436197	27.45%	3.724%
94	14.797	2108	2115	2121	rBV3	3410688	8874336	100.00%	13.564%
95	15.060	2154	2158	2163	rBV2	1855986	3343930	37.68%	5.111%
96	15.175	2171	2177	2184	rVB3	2356816	5279664	59.49%	8.069%
97	15.322	2196	2201	2205	rBV4	976462	1790690	20.18%	2.737%
98	15.468	2220	2225	2229	rBV2	878037	1591368	17.93%	2.432%
99	15.651	2252	2255	2262	rVB2	900054	1638377	18.46%	2.504%
100	16.639	2410	2417	2429	rVB2	1624847	4250326	47.89%	6.496%

Sum of corrected areas: 65427550

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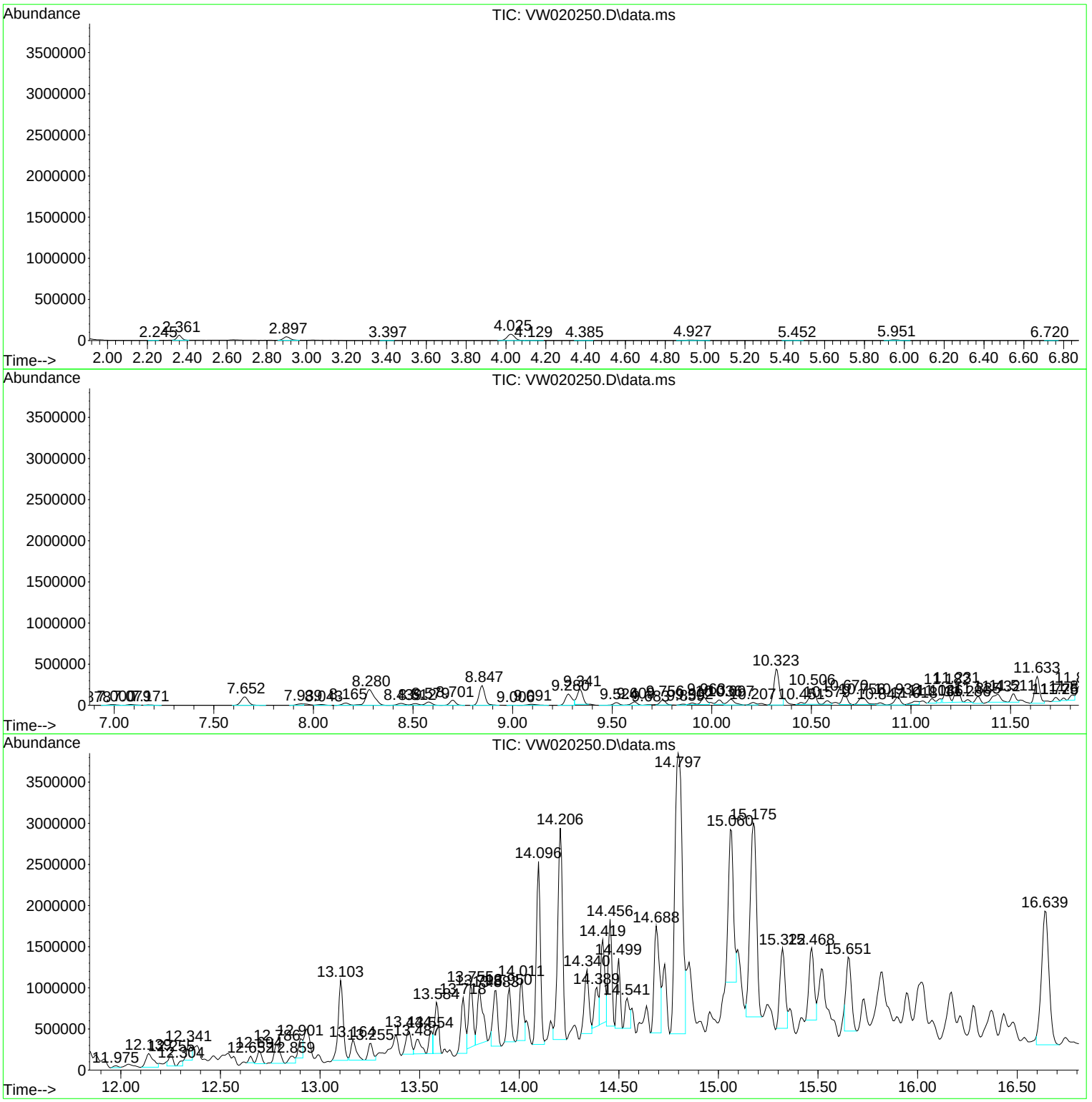
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

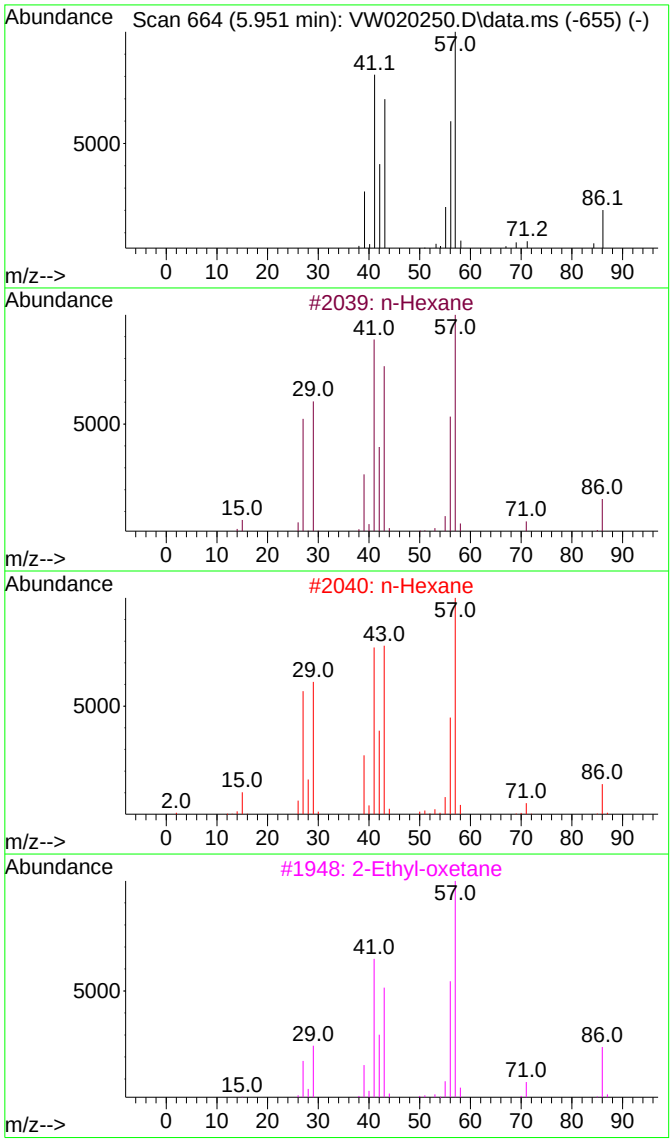
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

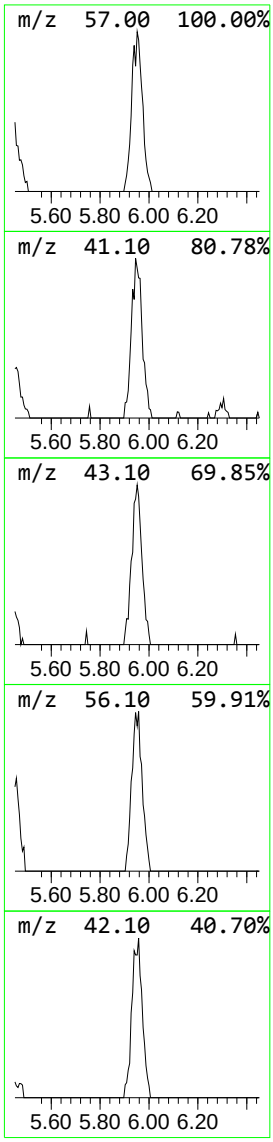
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.951	1.38 ug/L	27153	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	86
2	n-Hexane	86	C6H14	000110-54-3	59
3	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	56
4	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	50
5	n-Hexane	86	C6H14	000110-54-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

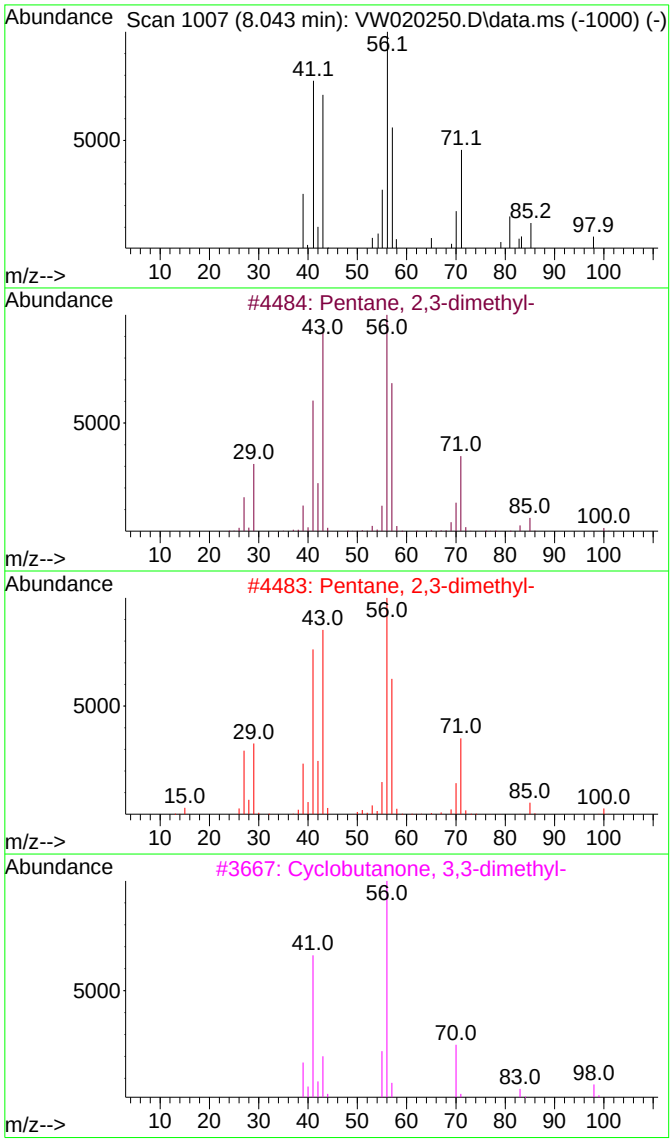
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

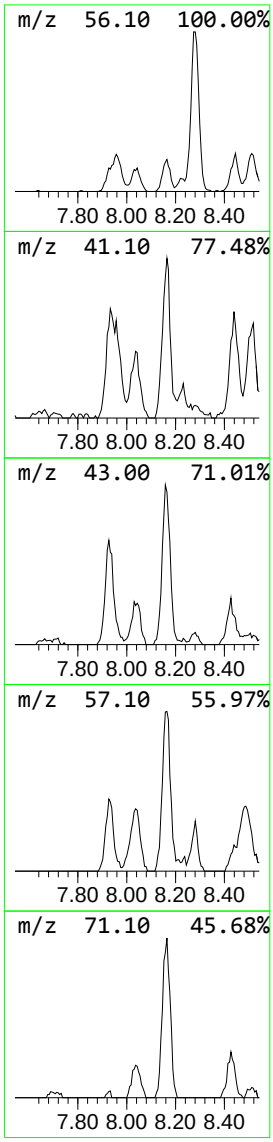
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.043	1.32 ug/L	25988	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50
3	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	50
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	50
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

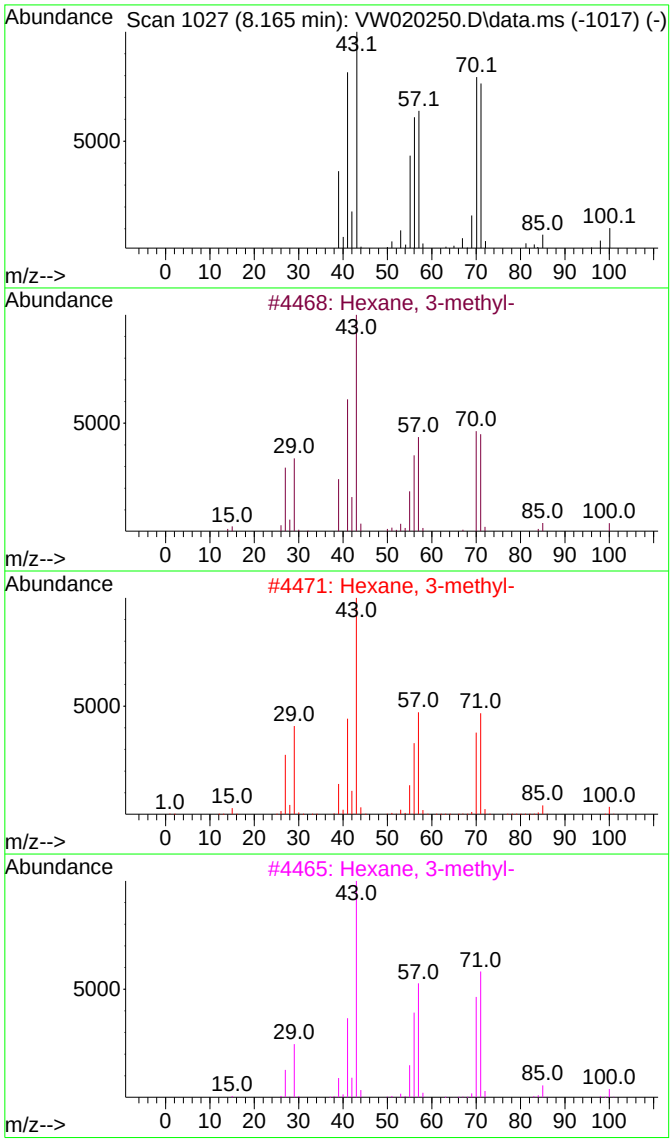
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

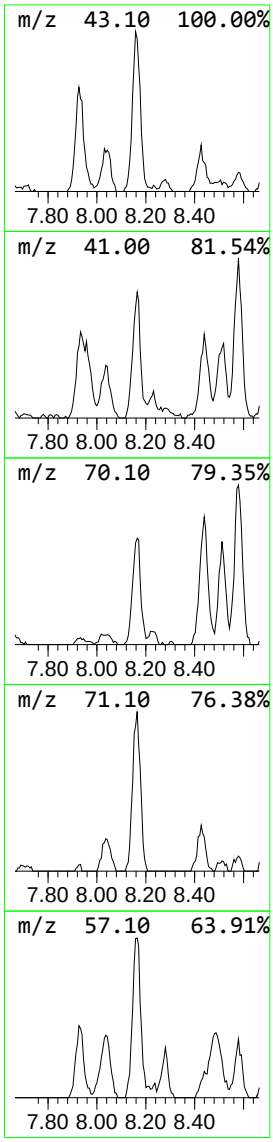
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.165	3.25 ug/L	64029	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	86
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
4	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	59
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

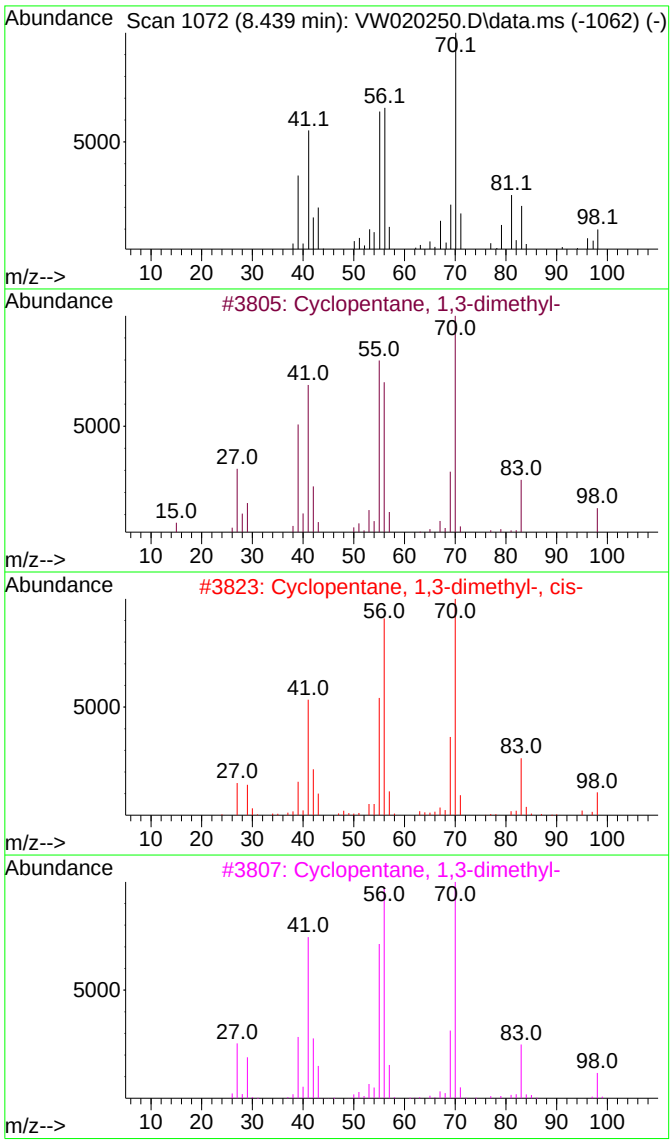
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

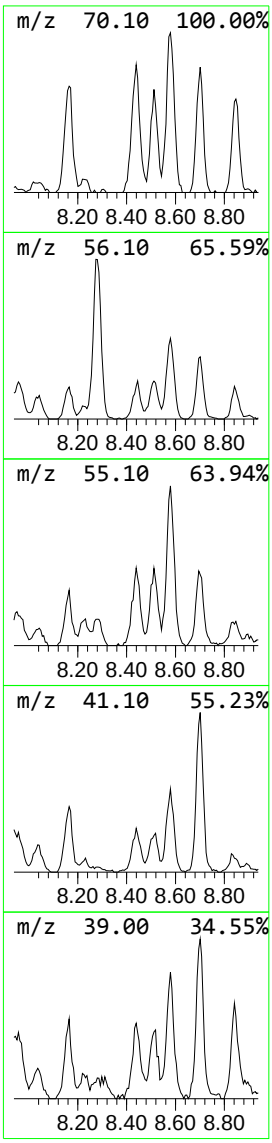
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic8.439 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	2.98 ug/L	58691	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

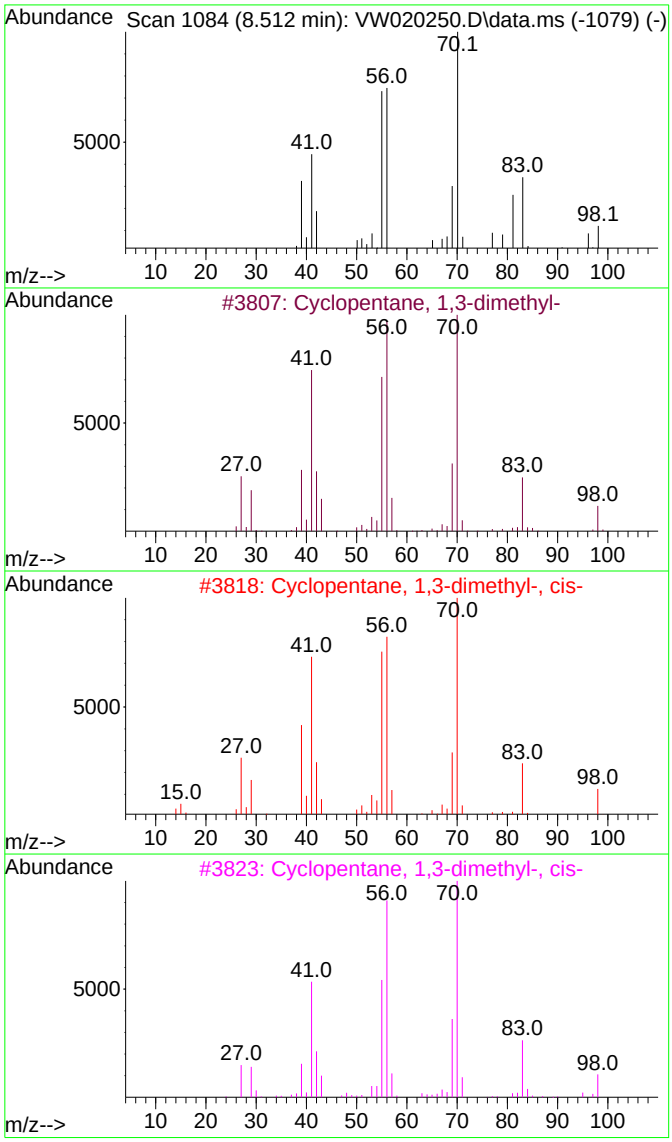
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

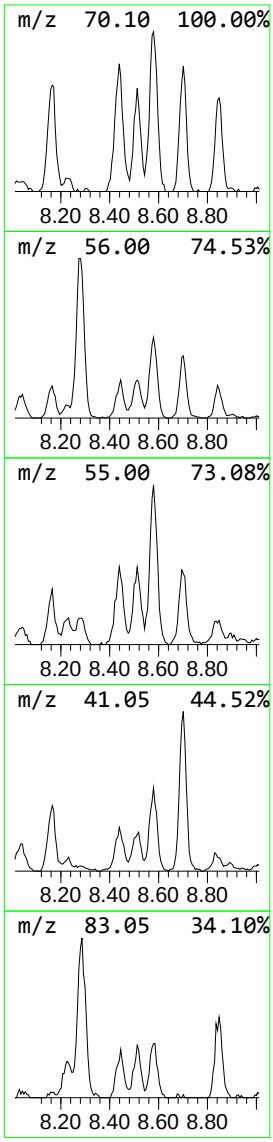
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic8.512 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	2.38 ug/L	46904	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

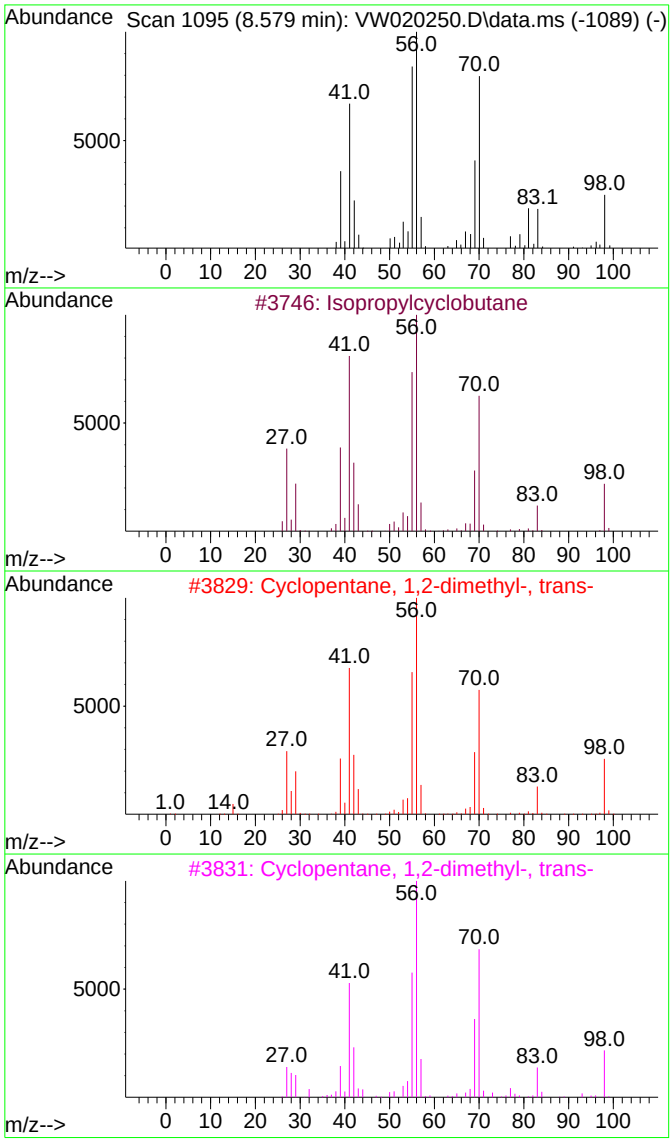
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

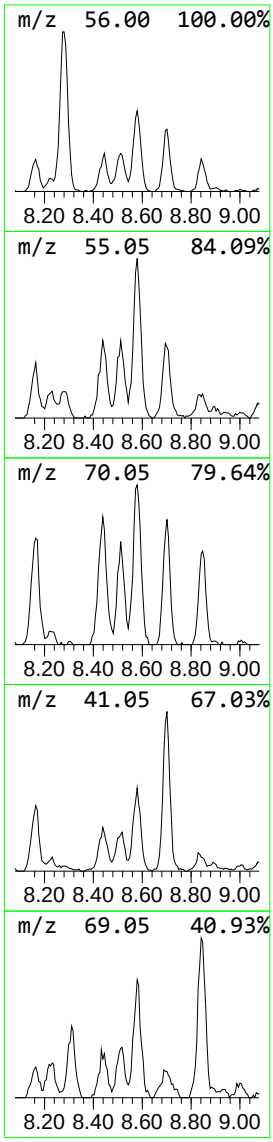
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic8.579 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	4.55 ug/L	89482	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

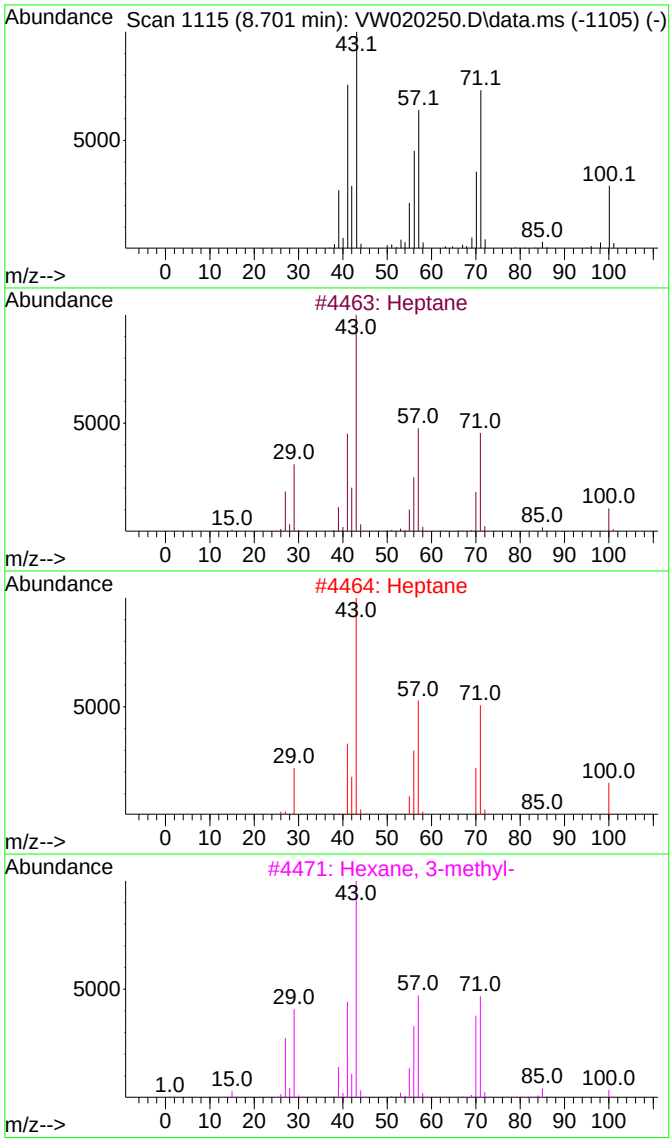
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

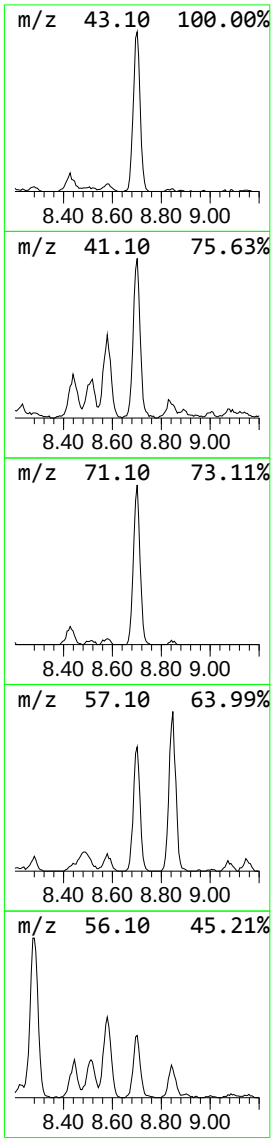
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.701	6.29 ug/L	123857	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Heptane	100	C7H16	000142-82-5	59
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
4	Heptane	100	C7H16	000142-82-5	49
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

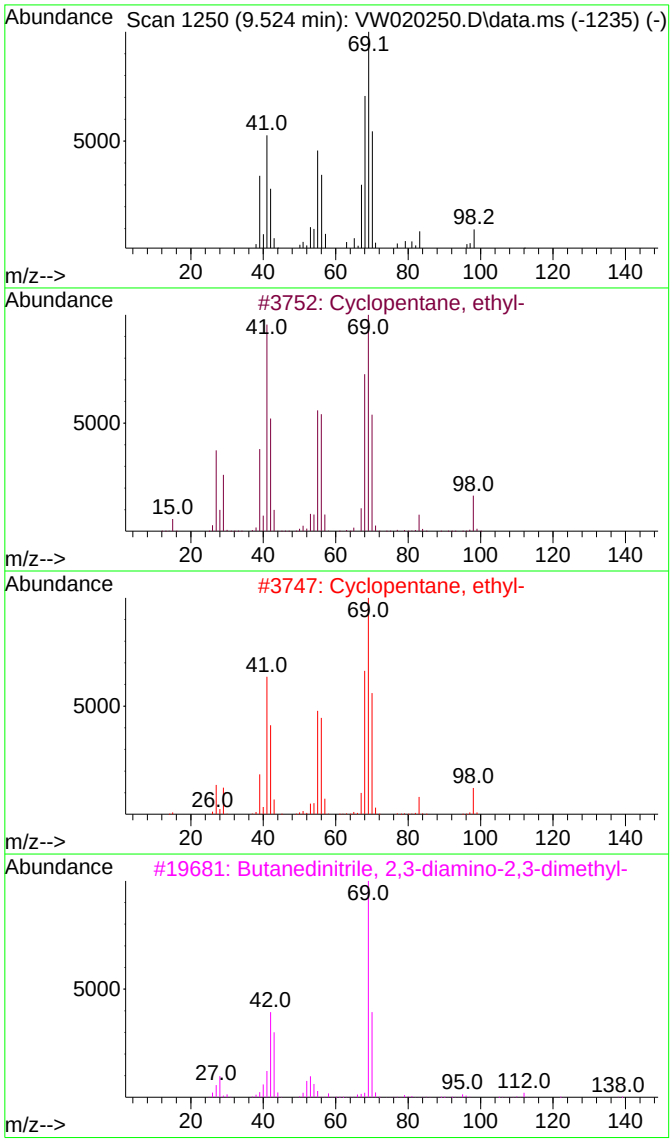
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

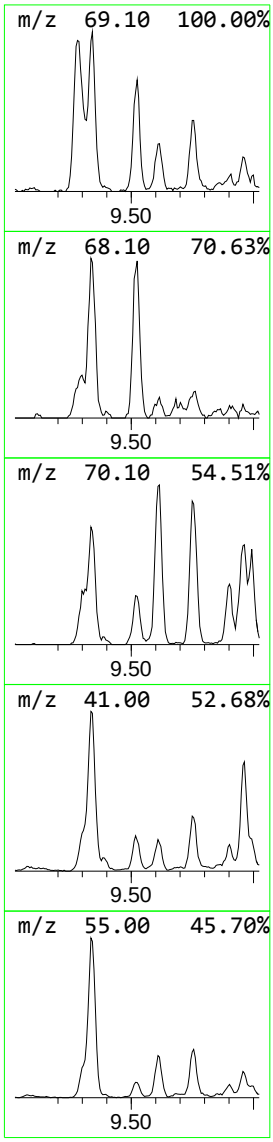
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic9.524 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.524	3.48 ug/L	68575	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
3	Butanedinitrile, 2,3-diamino-2,3...	138	C6H10N4	082929-43-9	47
4	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

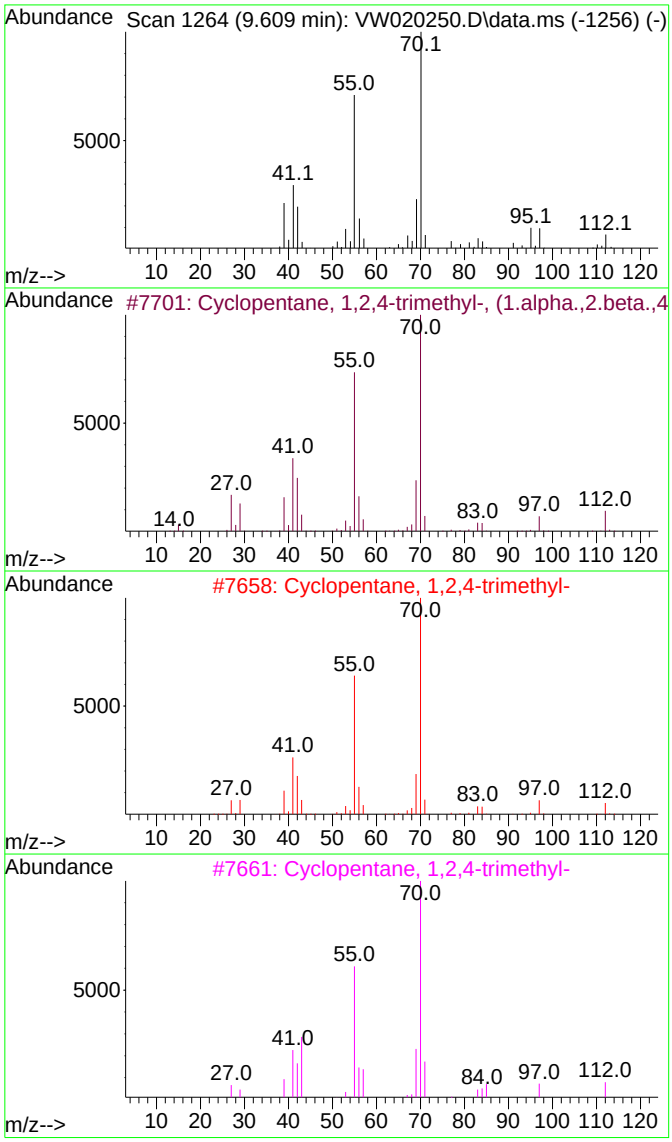
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

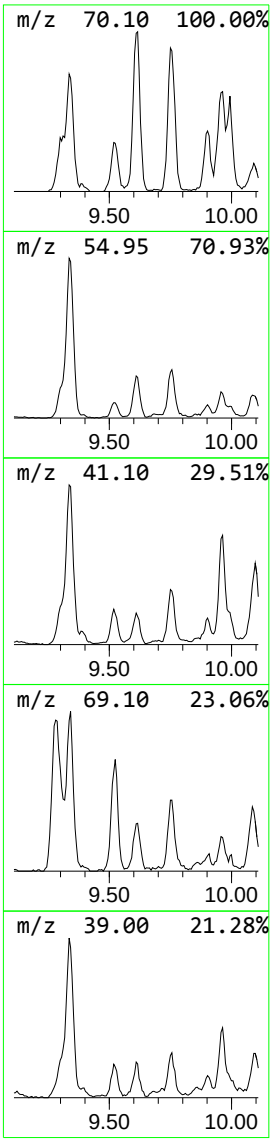
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic9.609 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.609	4.18 ug/L	82217	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	74
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

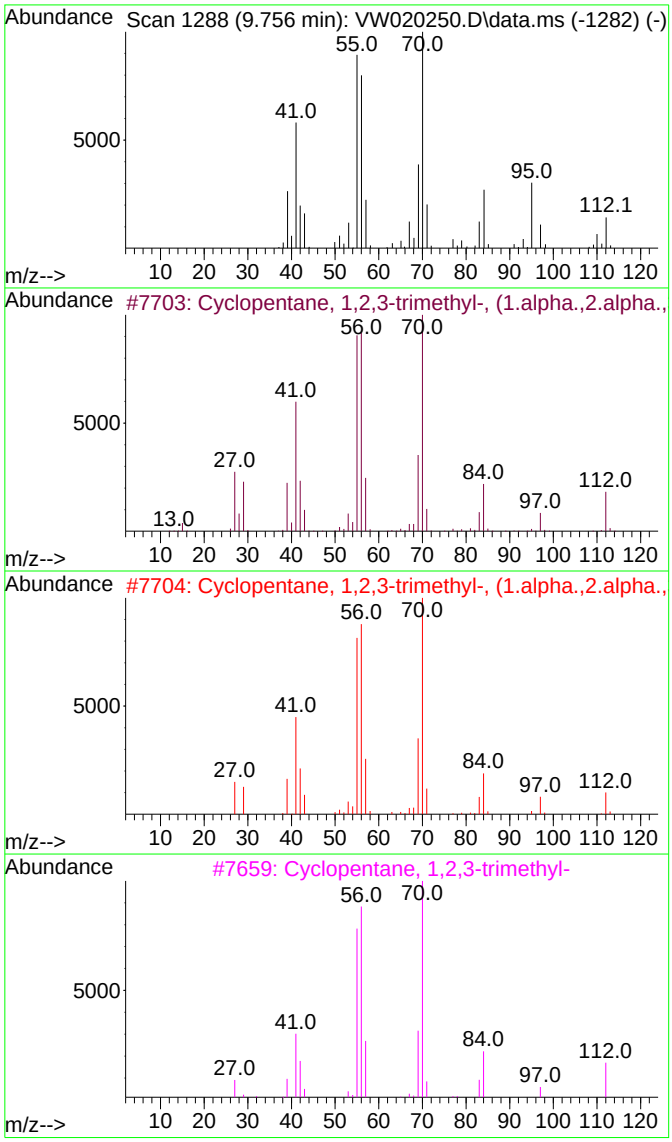
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

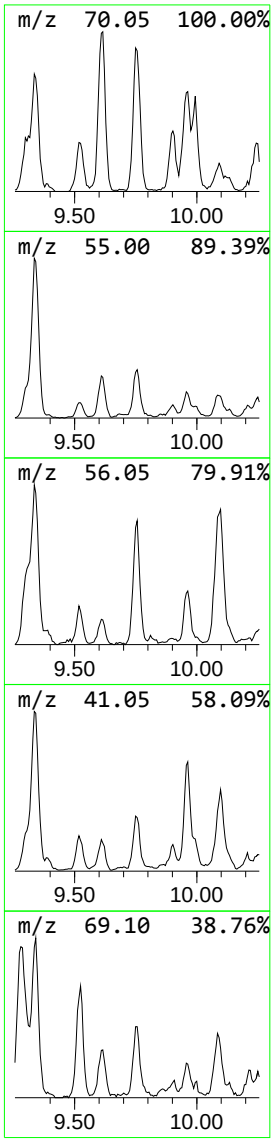
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic9.756 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	6.14 ug/L	120920	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	83
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

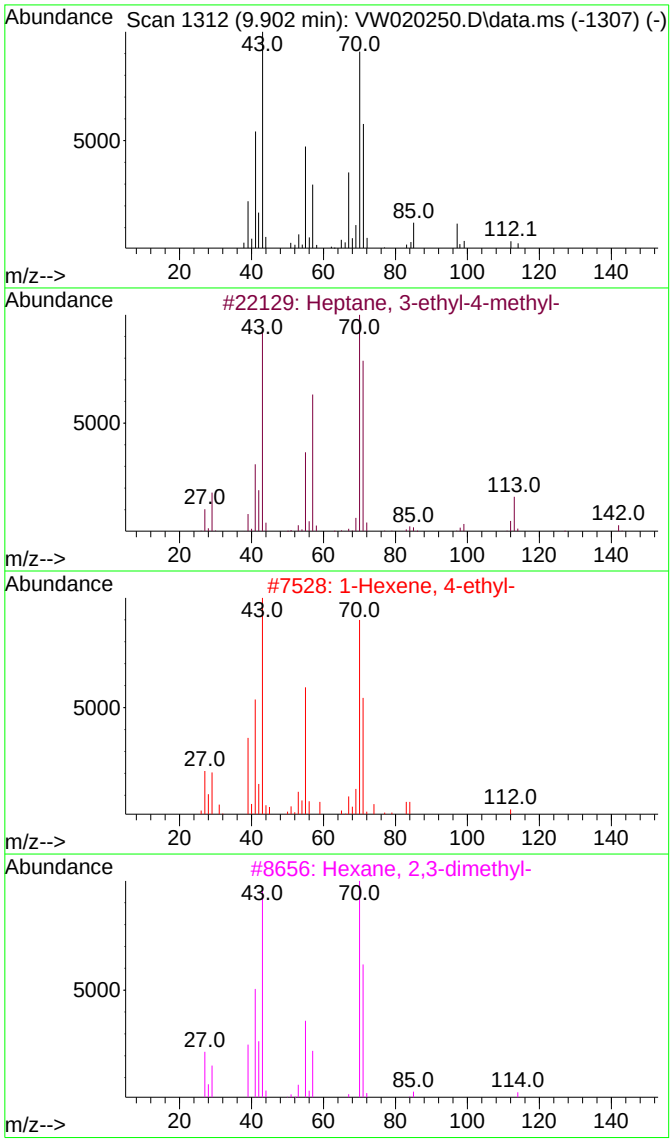
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

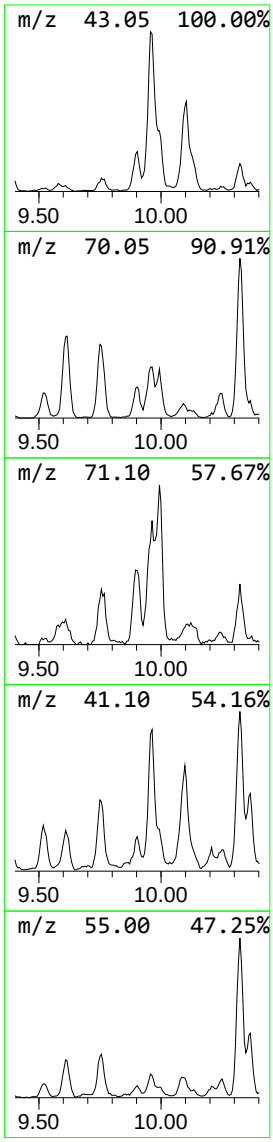
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	1.67 ug/L	32900	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	59
2	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	58
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

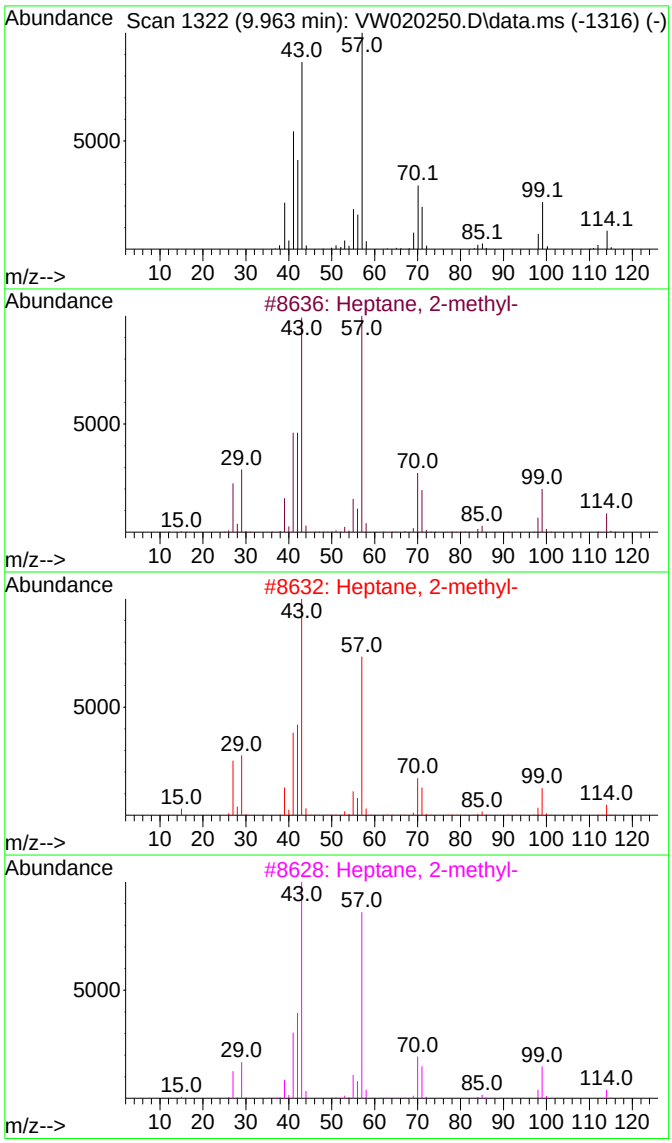
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

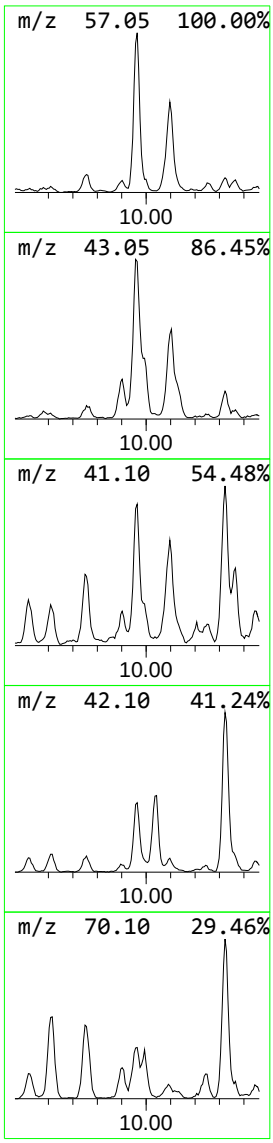
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.963	8.31 ug/L	163632	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

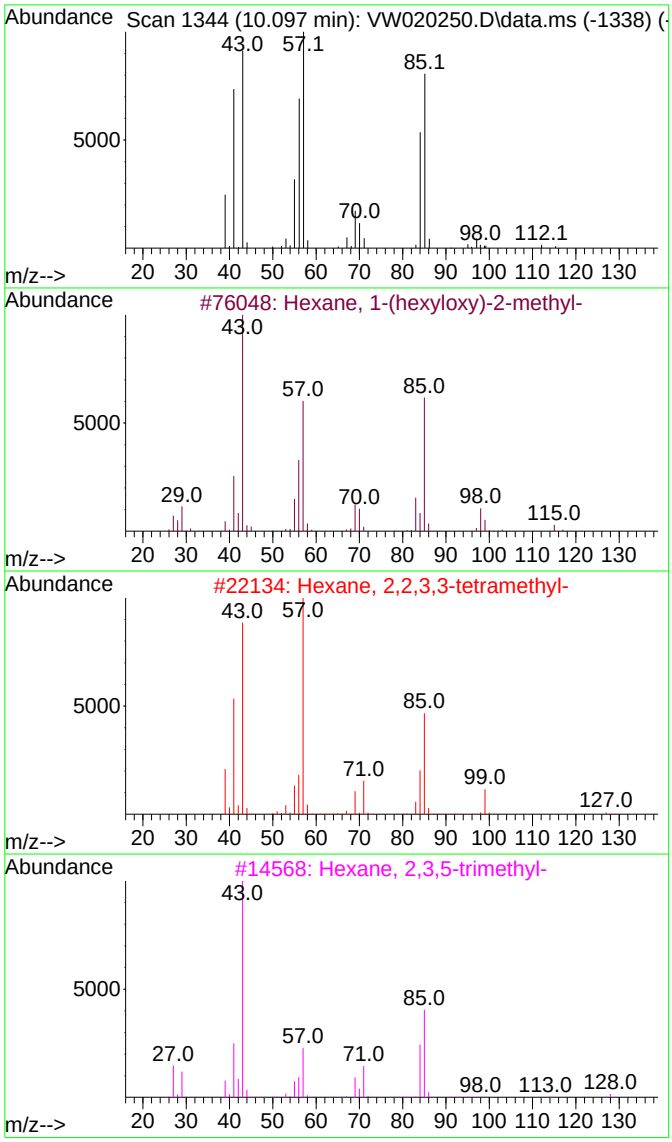
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

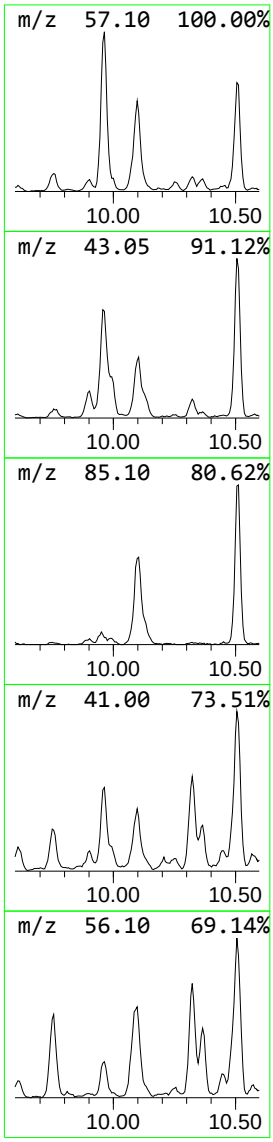
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	8.82 ug/L	173607	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	53
2	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	53
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

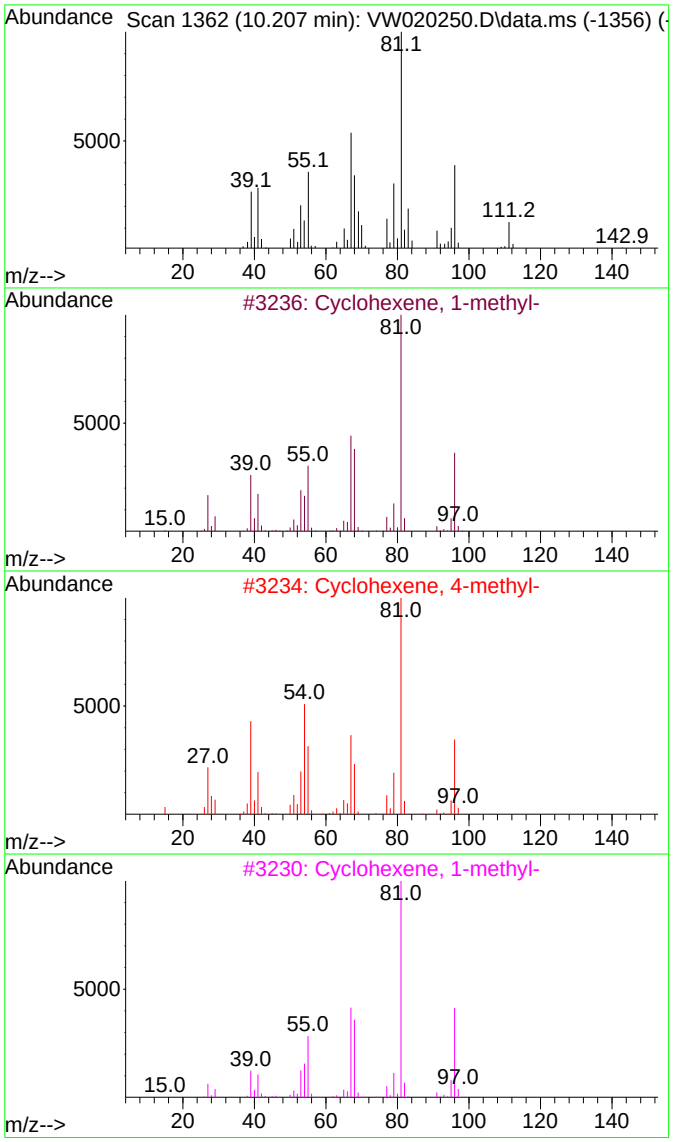
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

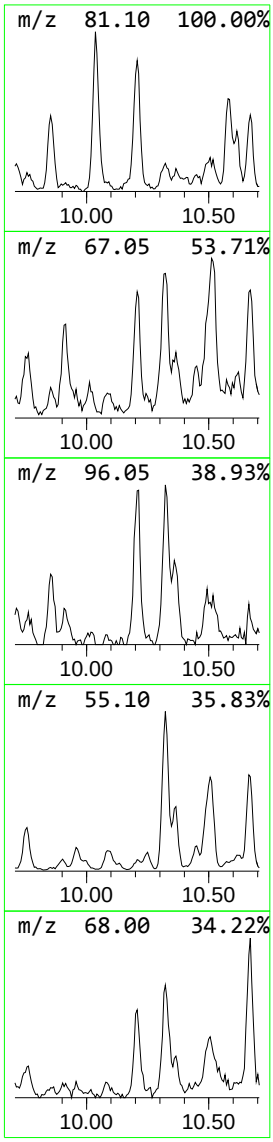
****

Peak Number 16 Cyclohexene, 1-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.207	3.06 ug/L	60147	1,4-Difluorobenzene	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	81
5	1,4-Heptadiene	96	C7H12	005675-22-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

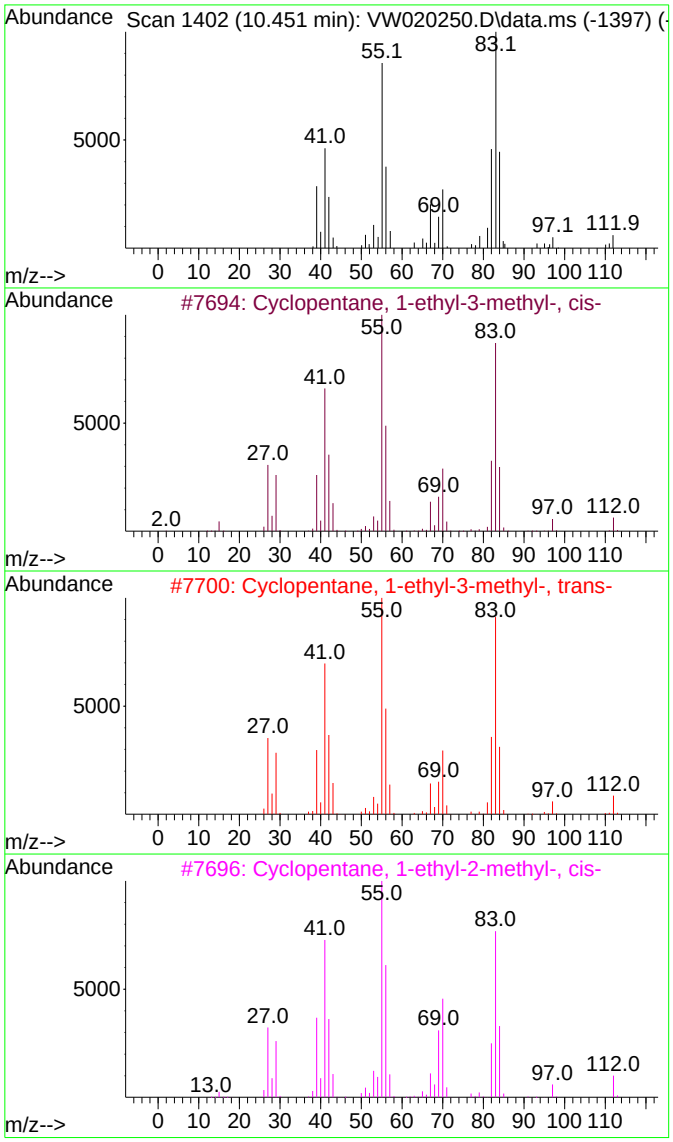
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

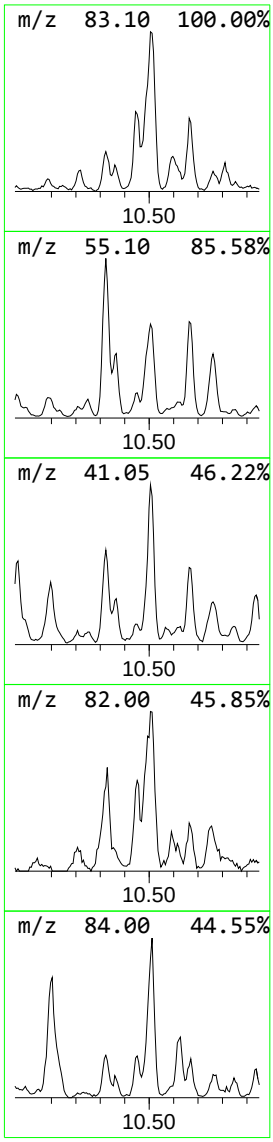
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic10.451 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	1.75 ug/L	39206	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	91
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	64
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
5	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

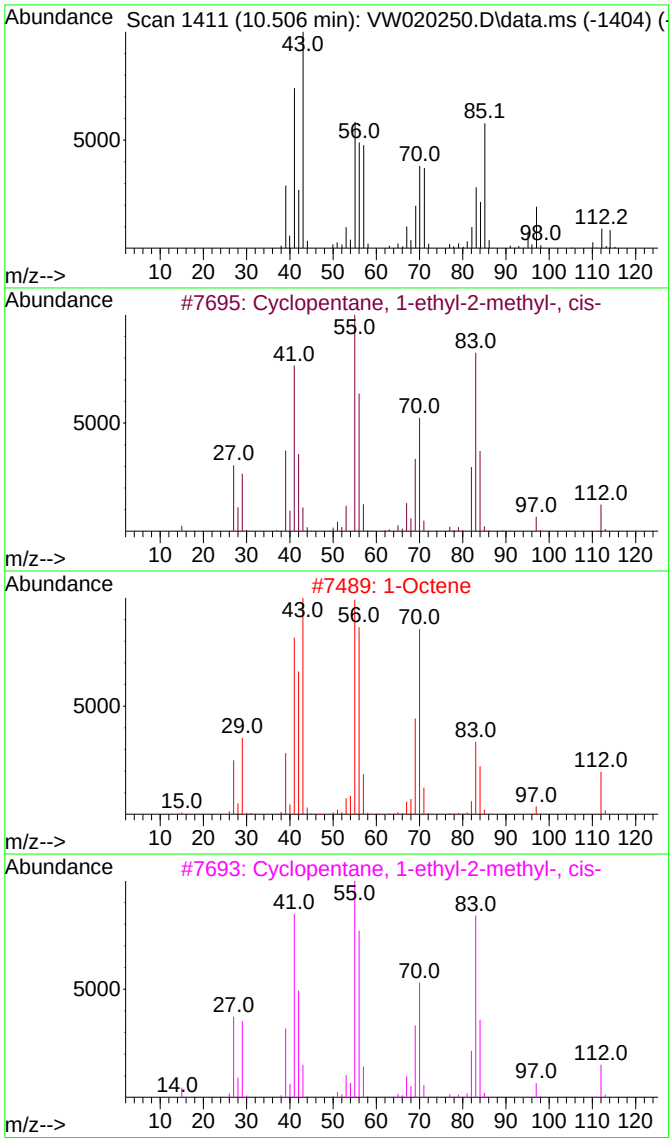
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

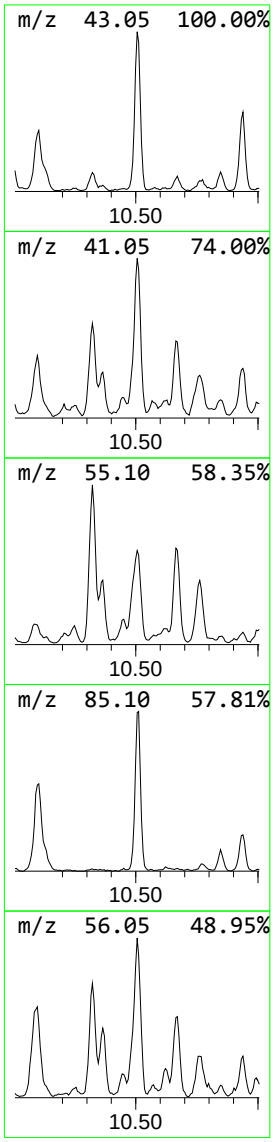
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic10.506 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	18.19 ug/L	408098	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
2	1-Octene	112	C8H16	000111-66-0	46
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
4	Octane	114	C8H18	000111-65-9	43
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

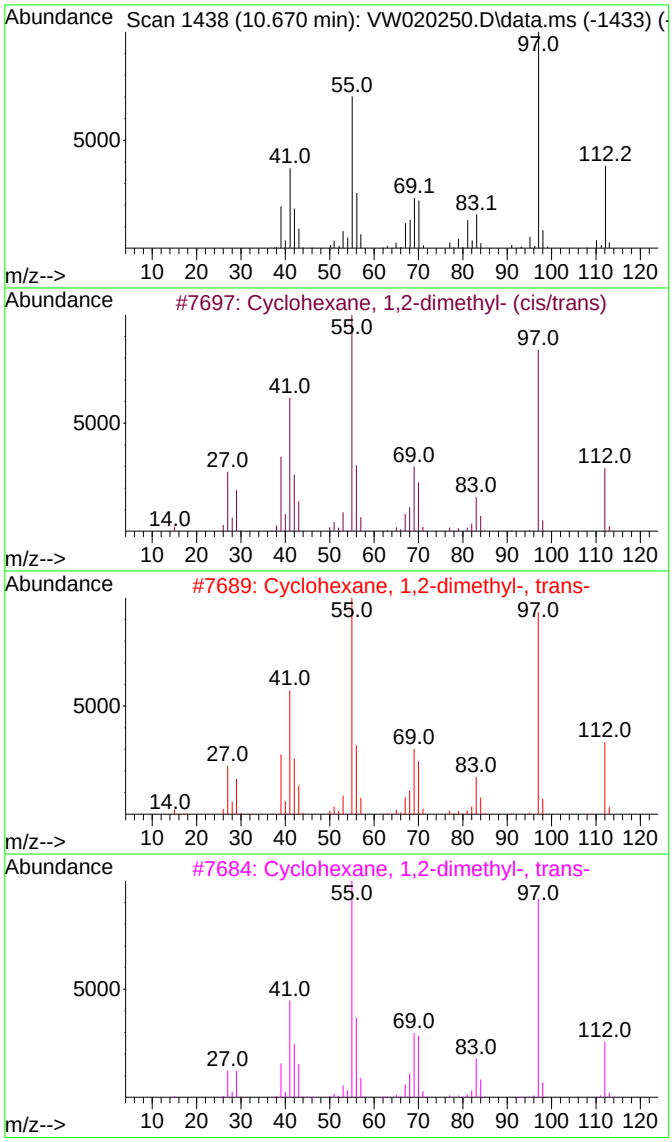
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

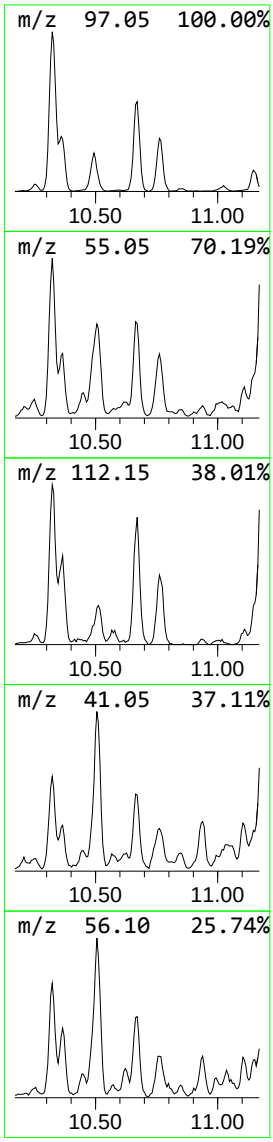
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.670 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.670	9.68 ug/L	217173	Chlorobenzene-d5	11.633

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

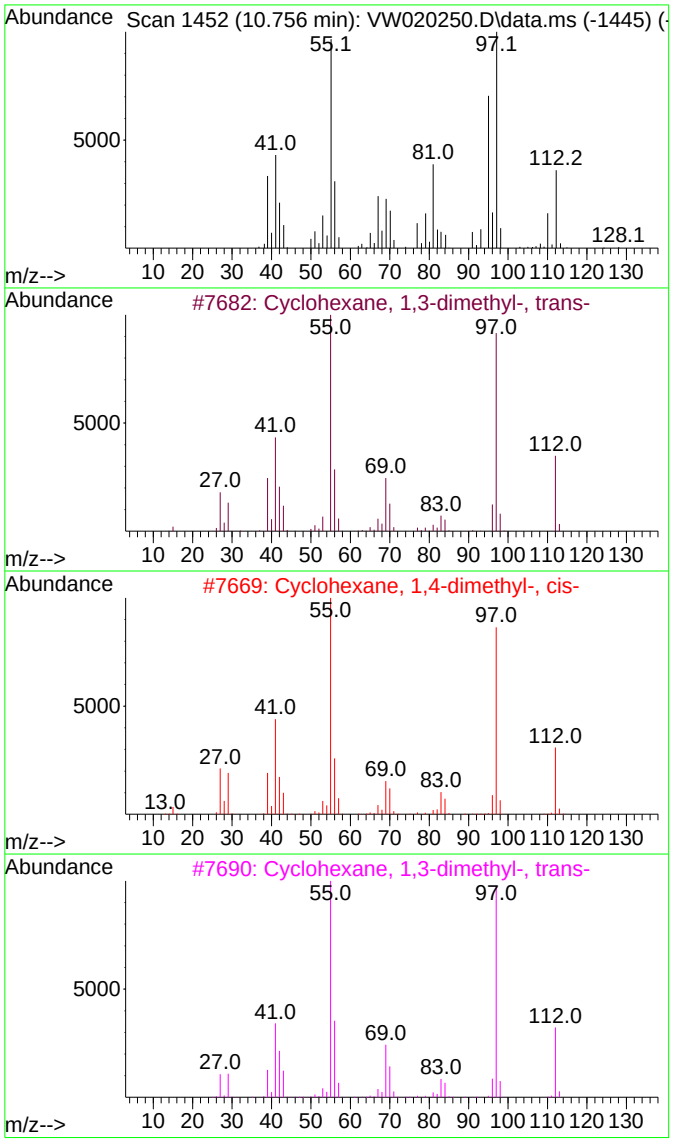
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

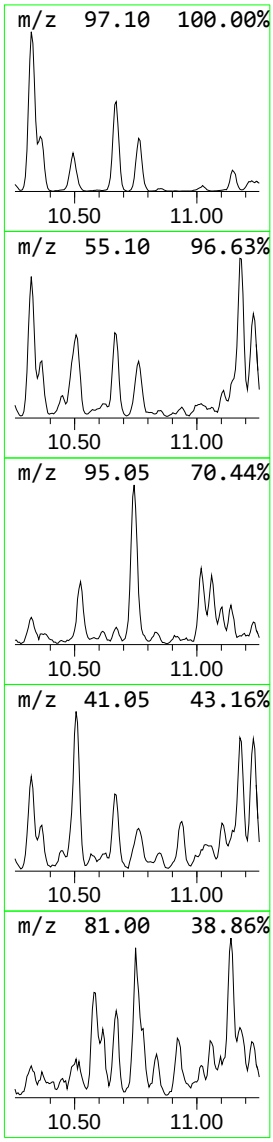
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic10.756 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	9.90 ug/L	222209	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	70
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	70
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	70
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

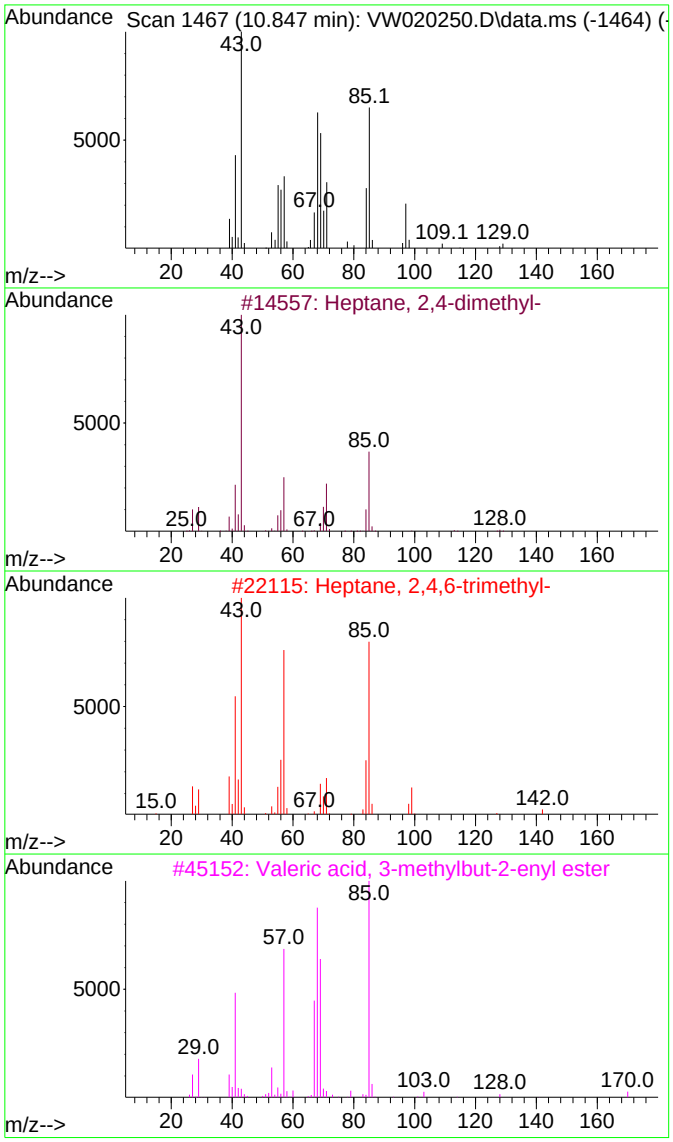
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

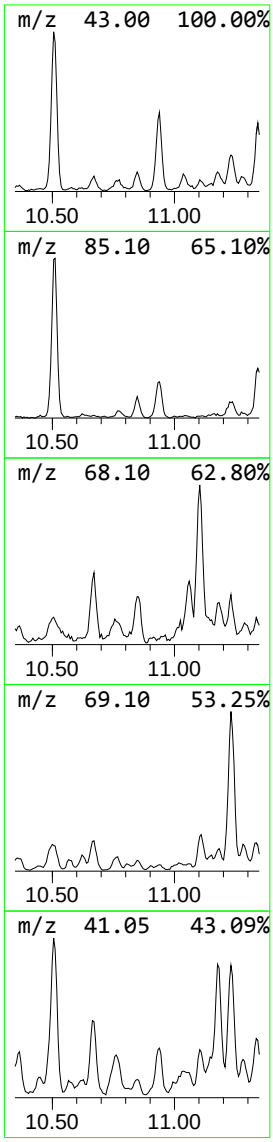
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	1.89 ug/L	42371	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38
2	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	38
3	Valeric acid, 3-methylbut-2-enyl...	170	C10H18O2	1000292-48-5	38
4	Cyclopentane, (1-methylethyl)-	112	C8H16	003875-51-2	38
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

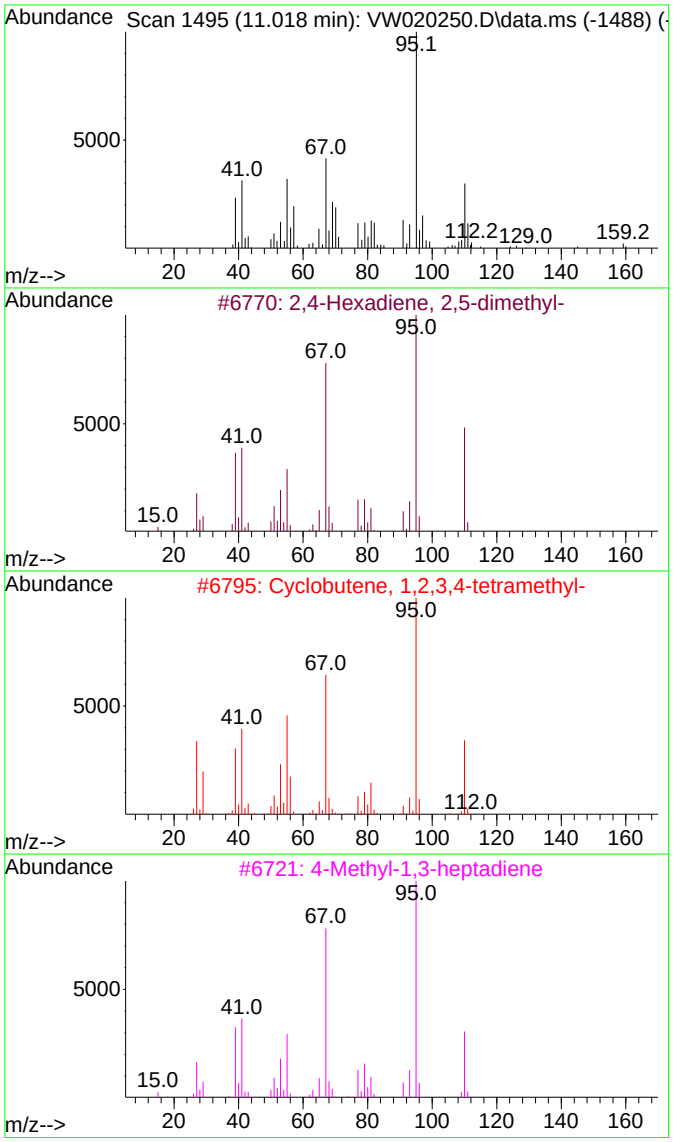
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

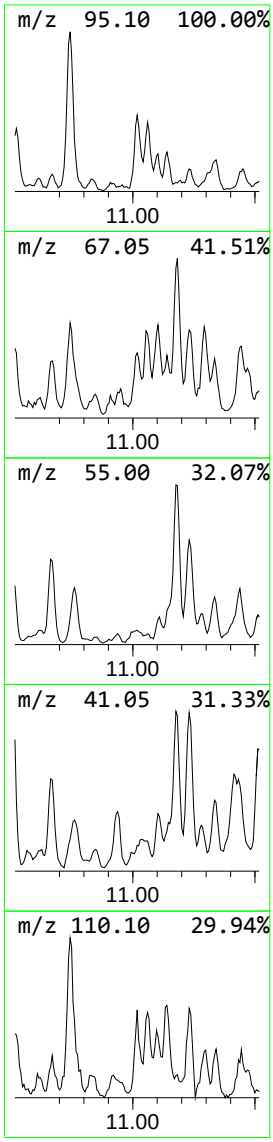
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 2,4-Hexadiene, 2,5-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	4.58 ug/L	102772	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	90
2	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	87
3	4-Methyl-1,3-heptadiene	110	C8H14	017603-57-5	87
4	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	83
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

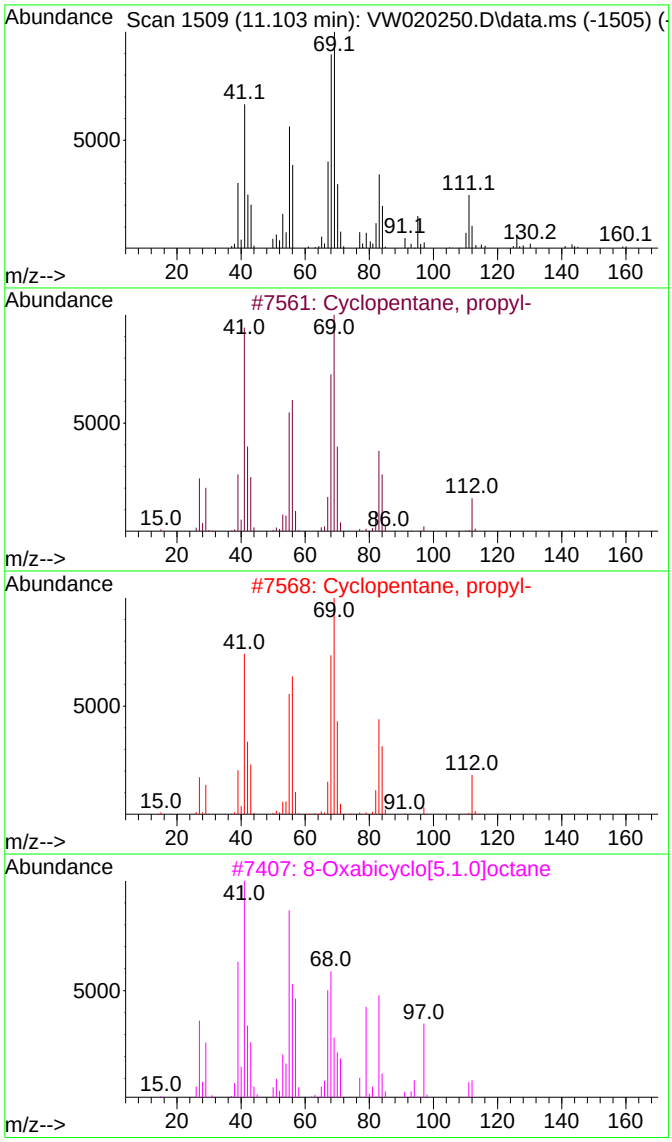
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

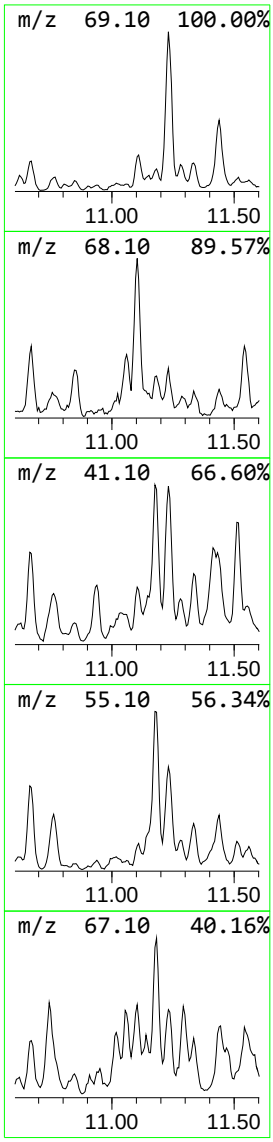
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.103 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.103	3.96 ug/L	88851	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	50
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	41
3	8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	41
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	41
5	4-Heptenal, (E)-	112	C7H12O	000929-22-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

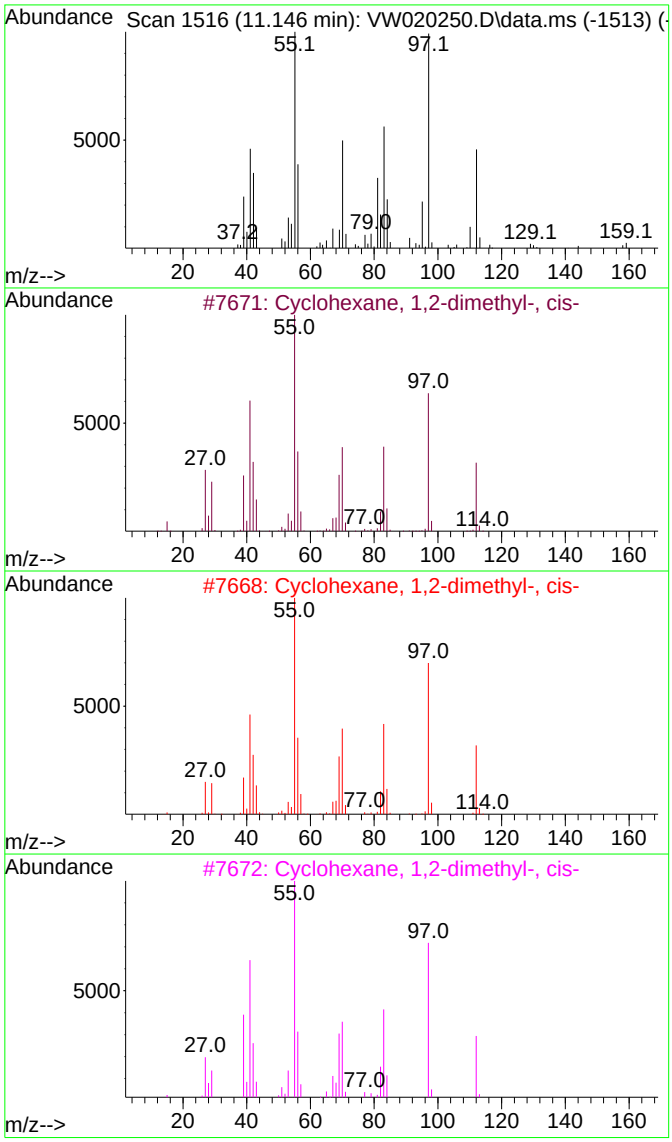
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

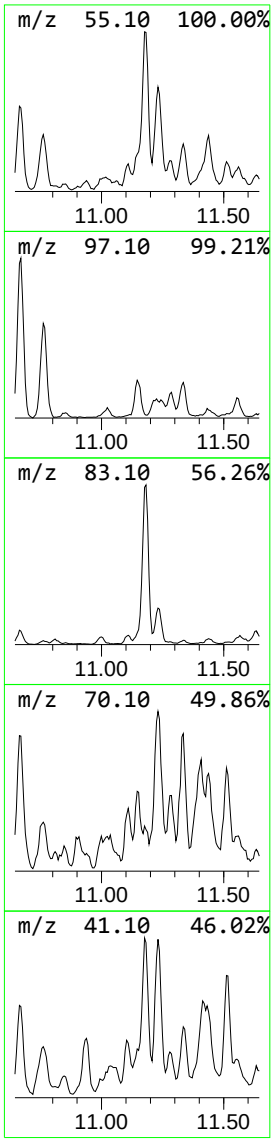
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.146 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	2.67 ug/L	59982	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

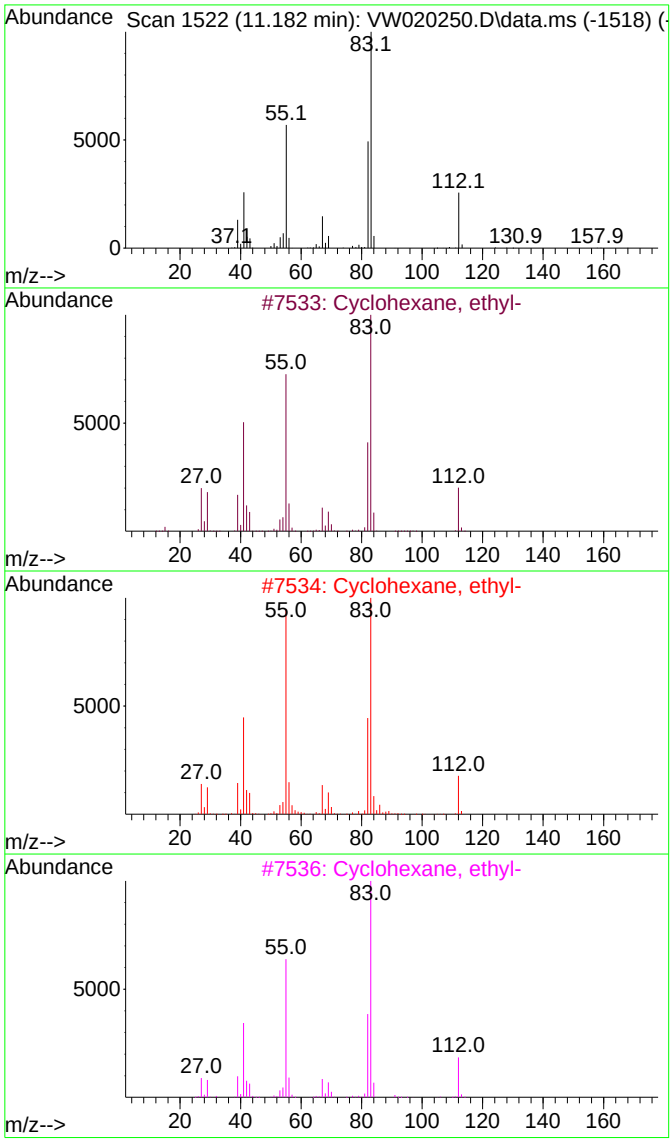
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

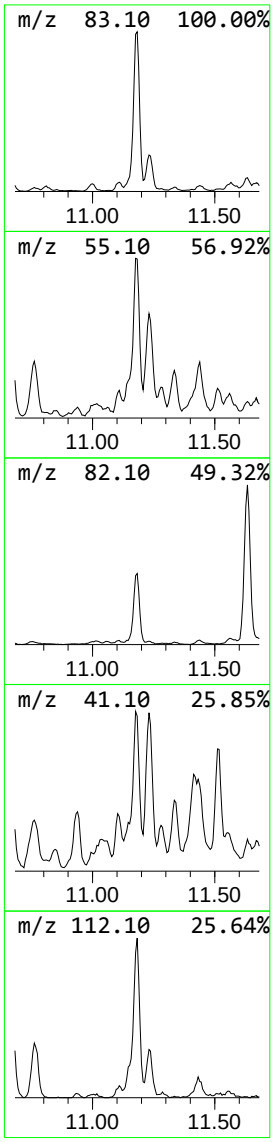
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.182 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.182	13.43 ug/L	301250	Chlorobenzene-d5	11.633

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	72
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	58
5	4-Oxohex-2-enal	112	C6H8O2	020697-55-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

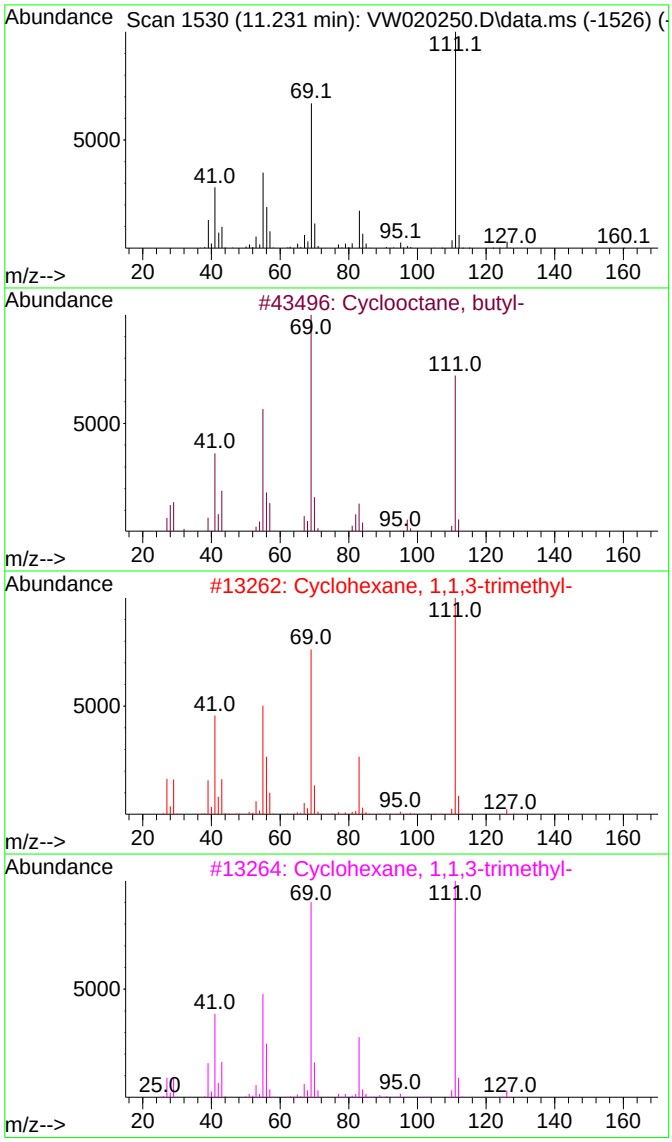
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

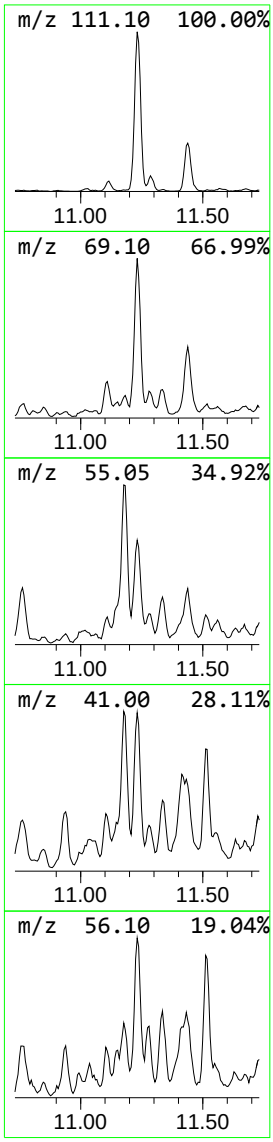
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic11.231 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	14.72 ug/L	330317	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	78
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

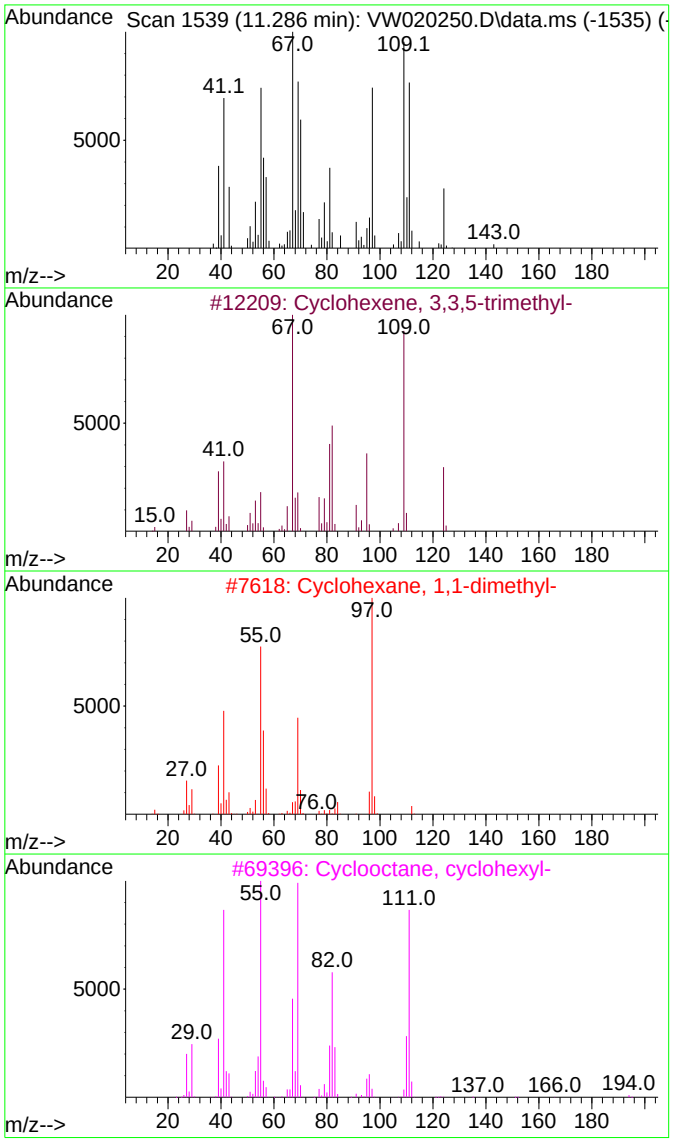
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

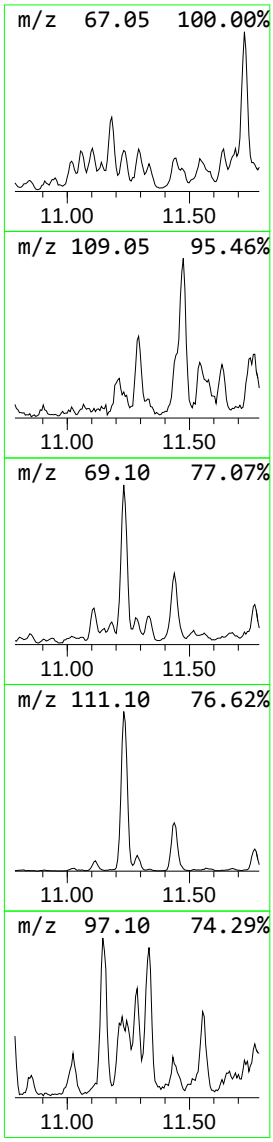
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 unknown-01 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.18 ug/L	48817	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	30
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	27
3	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	27
4	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	25
5	1,3-Hexadiene, 2,3,5-trimethyl-	124	C9H16	061142-34-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

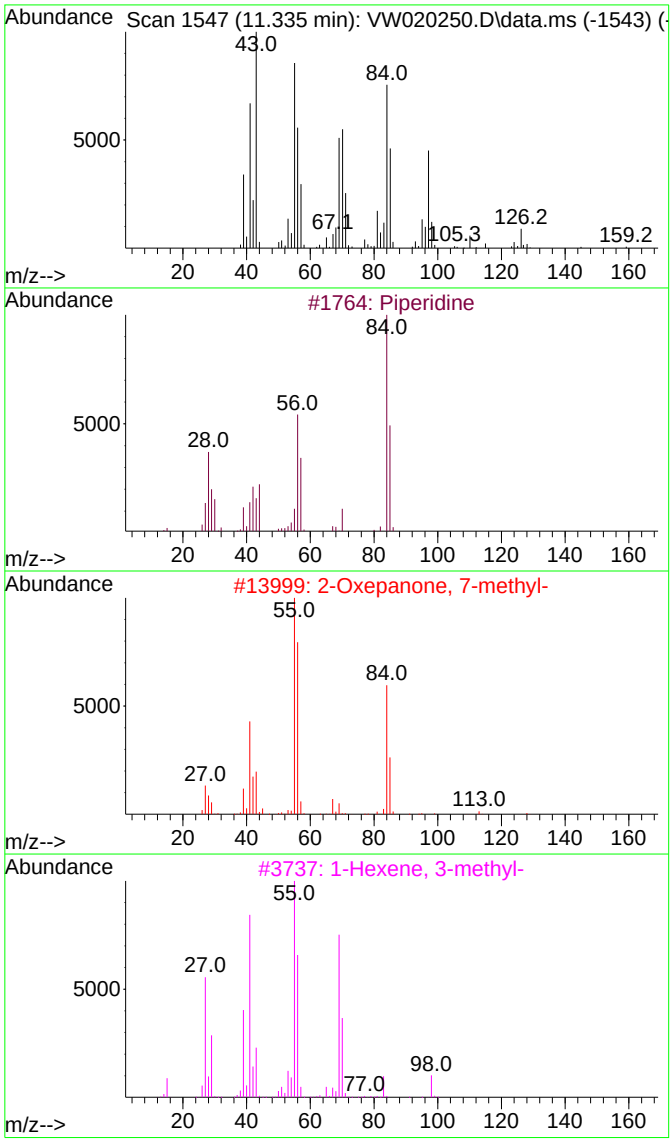
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

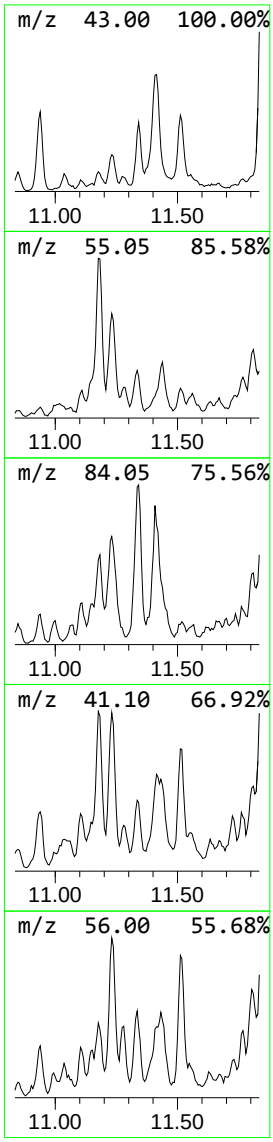
****

Peak Number 28 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	6.09 ug/L	136625	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	43
2	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	43
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35
4	2-Hexene, (E)-	84	C6H12	004050-45-7	27
5	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

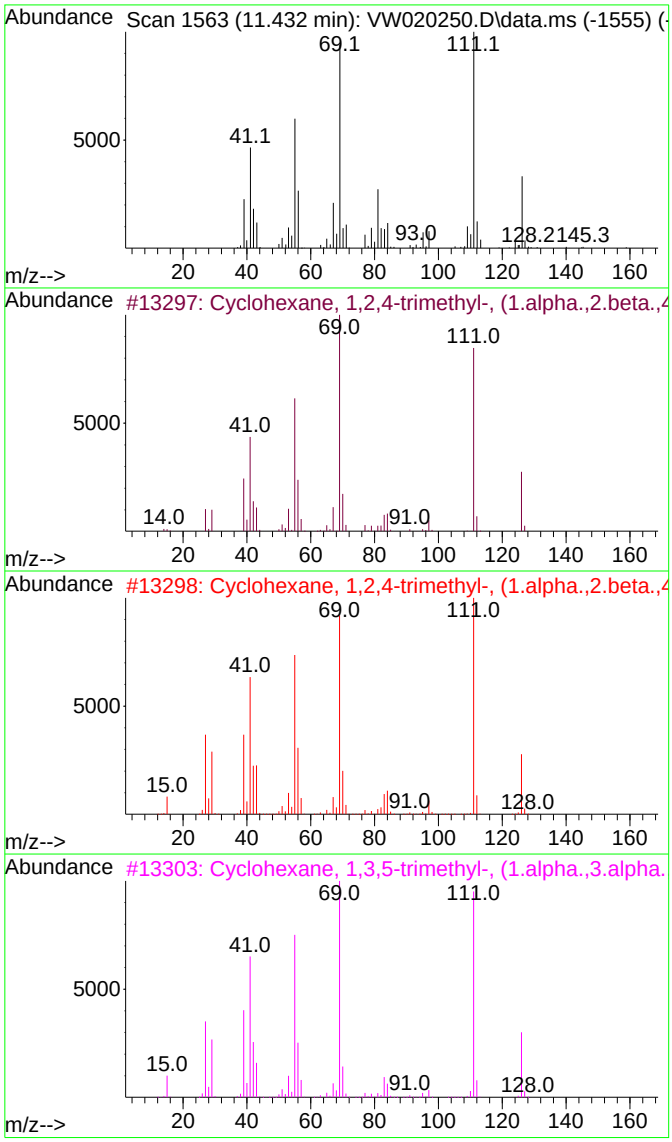
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

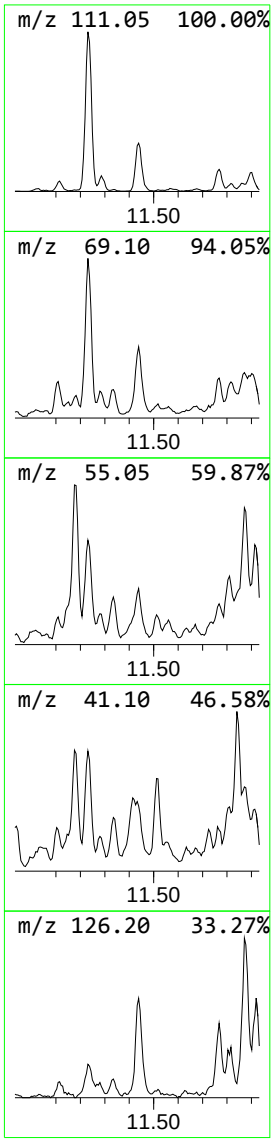
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic11.432 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	12.37 ug/L	277502	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

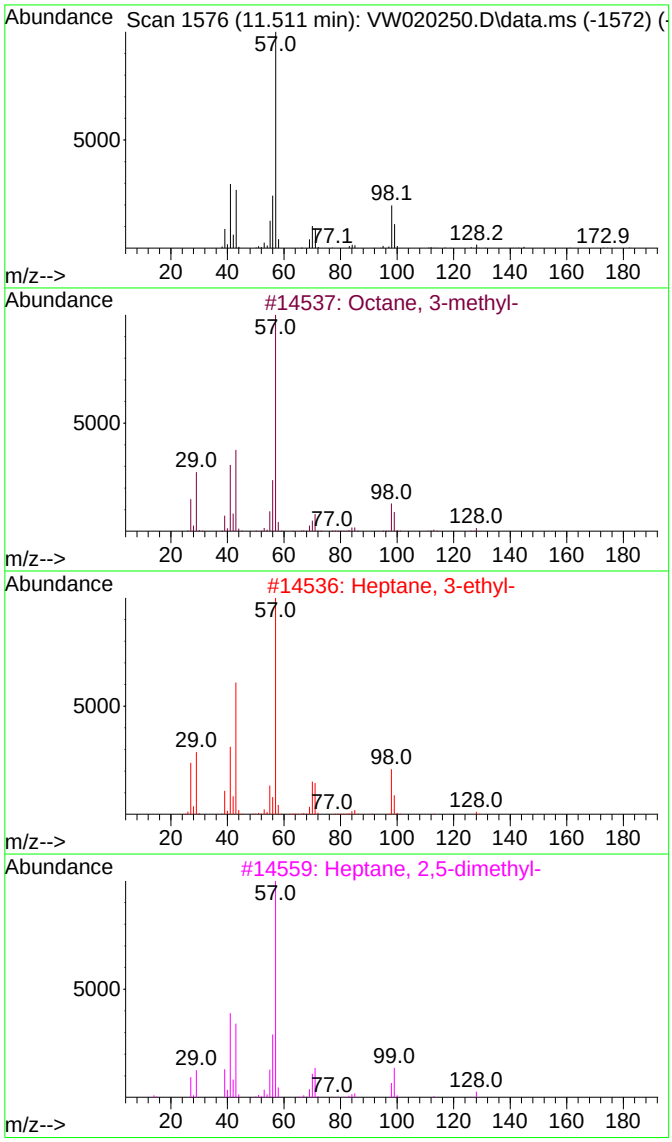
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

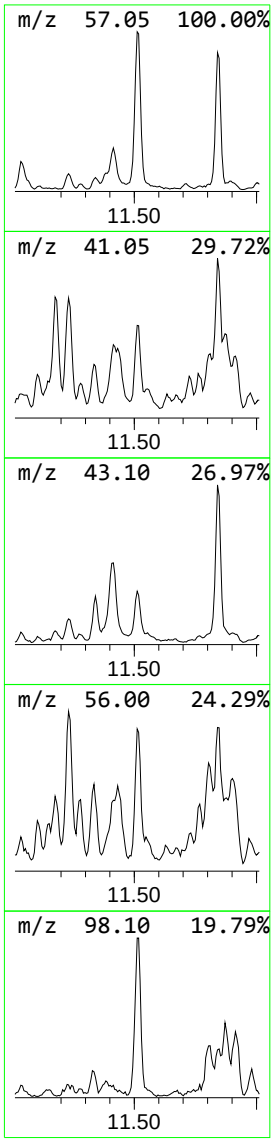
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	7.65 ug/L	171649	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	68
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
5	Octane, 3-methyl-	128	C9H20	002216-33-3	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

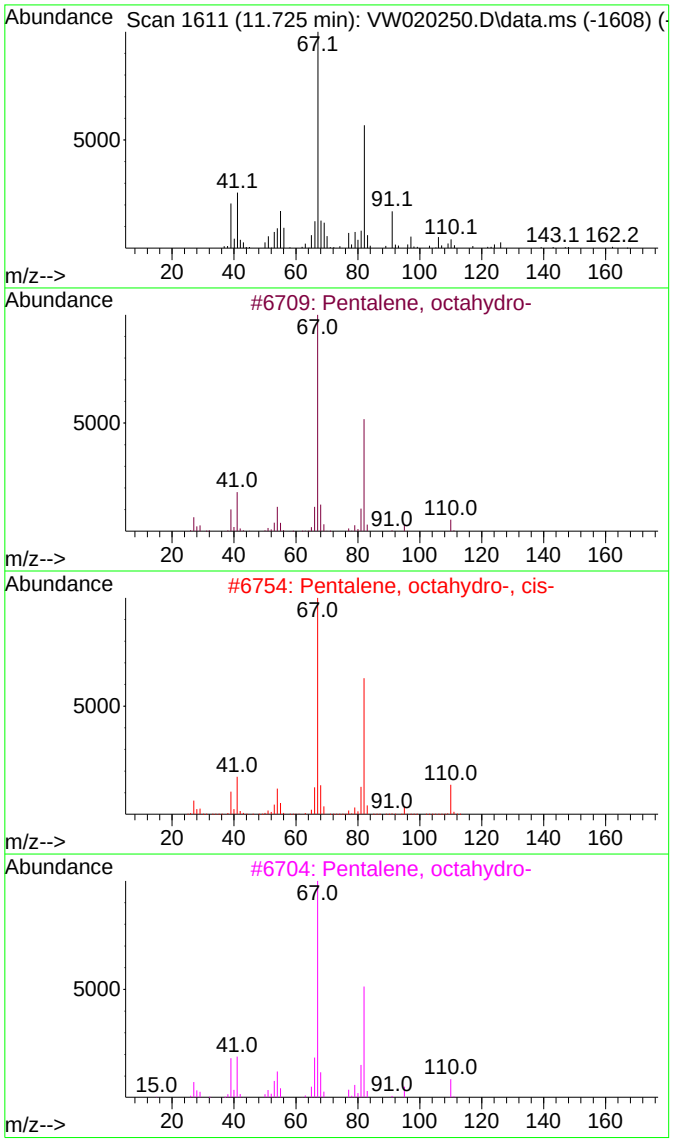
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

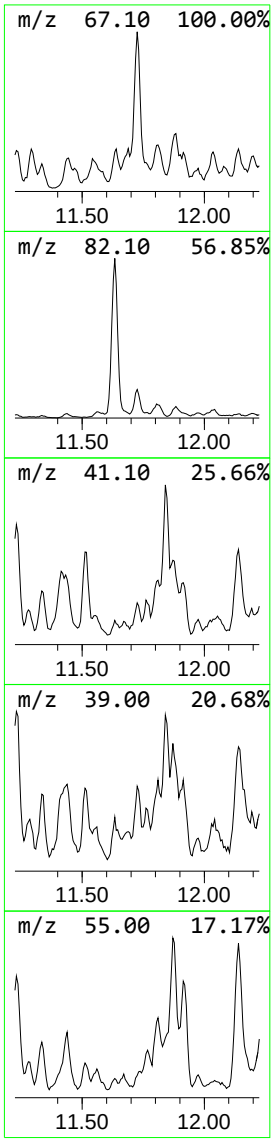
****

Peak Number 31 Pentalene, octahydro- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.725	3.31 ug/L	74319	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	72
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	64
3	Pentalene, octahydro-	110	C8H14	000694-72-4	59
4	3-Hexen-1-ol, formate, (Z)-	128	C7H12O2	033467-73-1	59
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

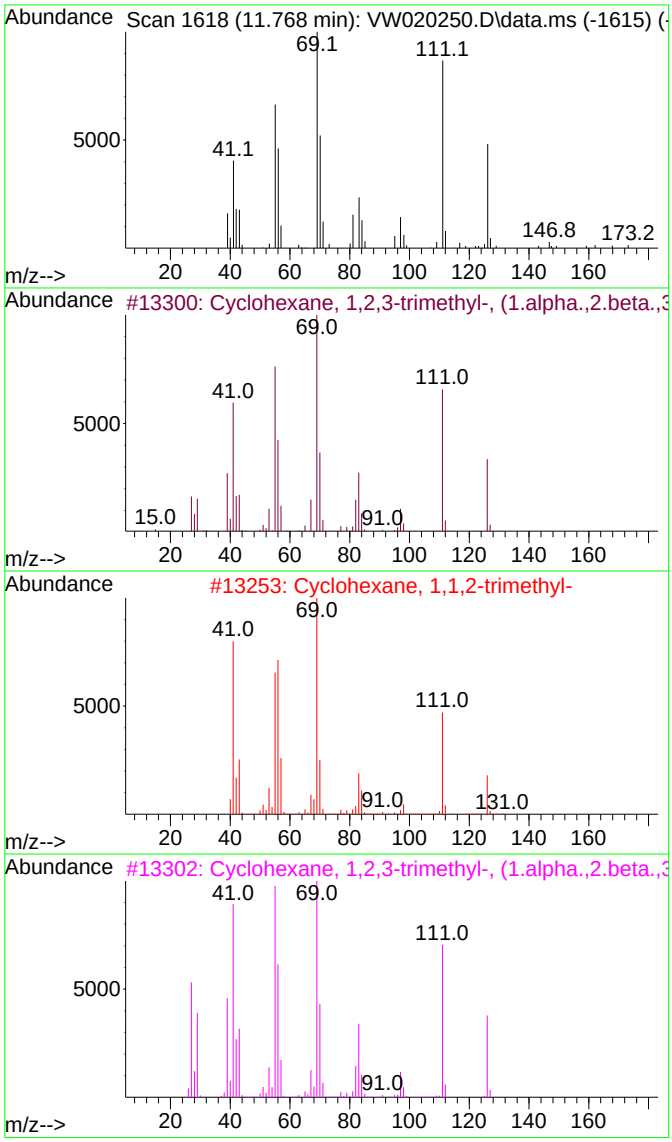
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

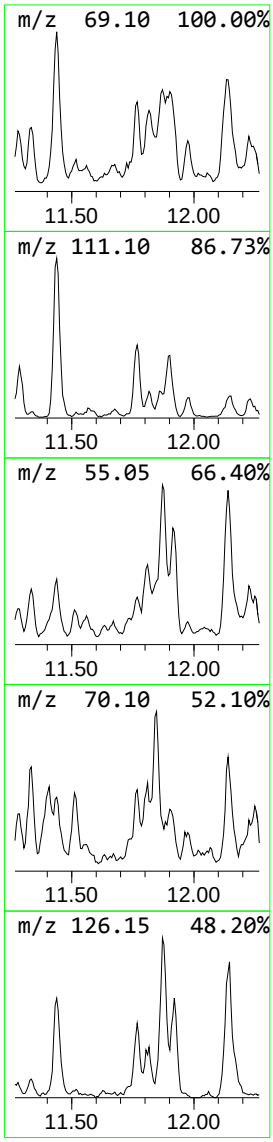
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.768 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	1.59 ug/L	35609	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

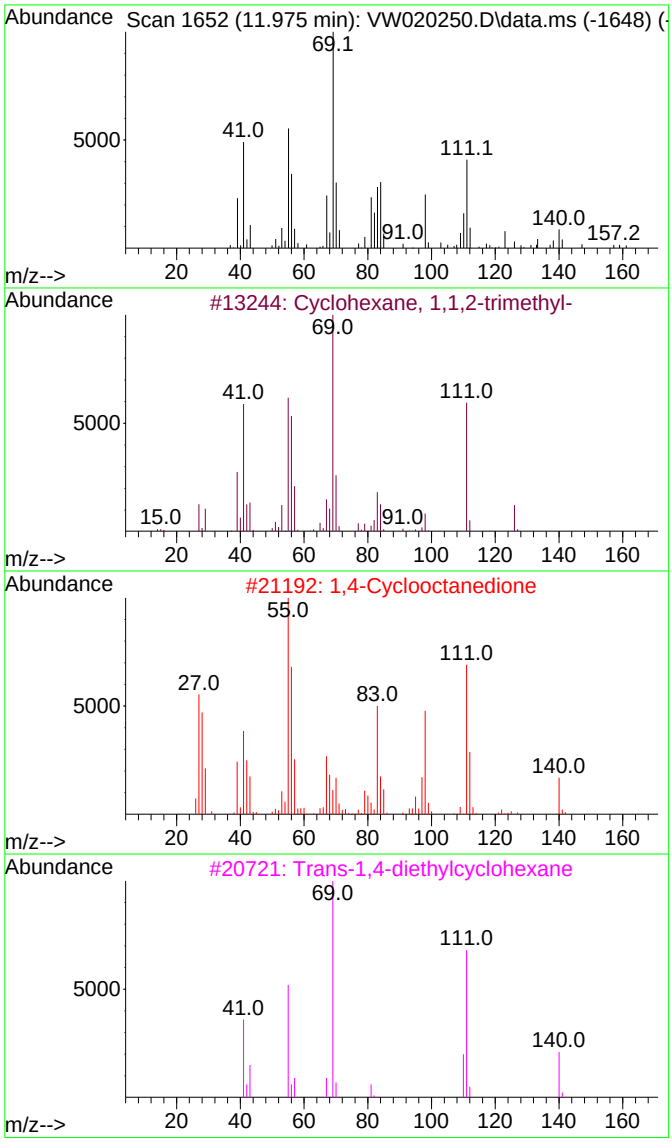
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

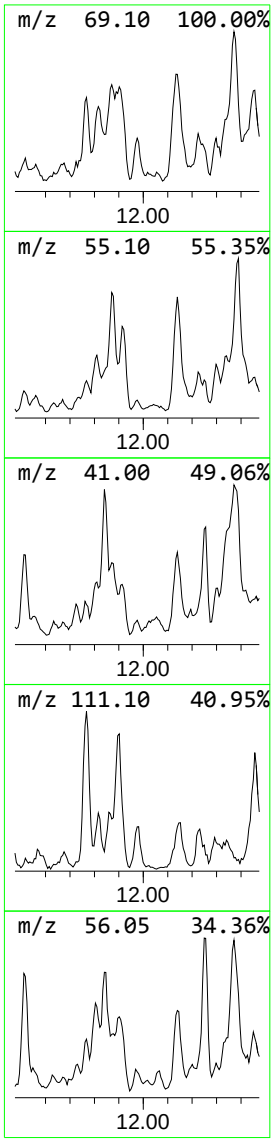
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic11.975 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	1.77 ug/L	39637	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	53
2	1,4-Cyclooctanedione	140	C8H12O2	055794-45-1	46
3	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46
4	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	43
5	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

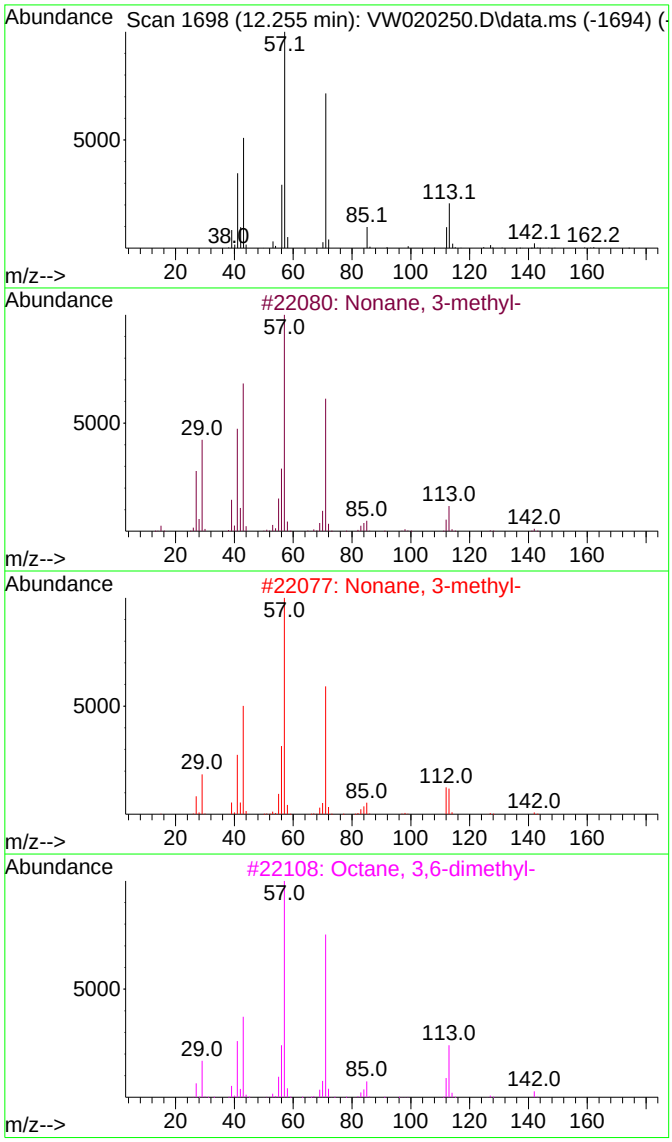
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

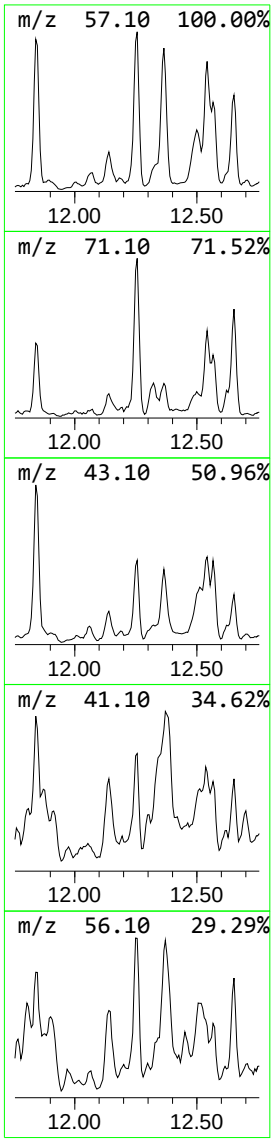
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.255	9.29 ug/L	208409	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	86
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

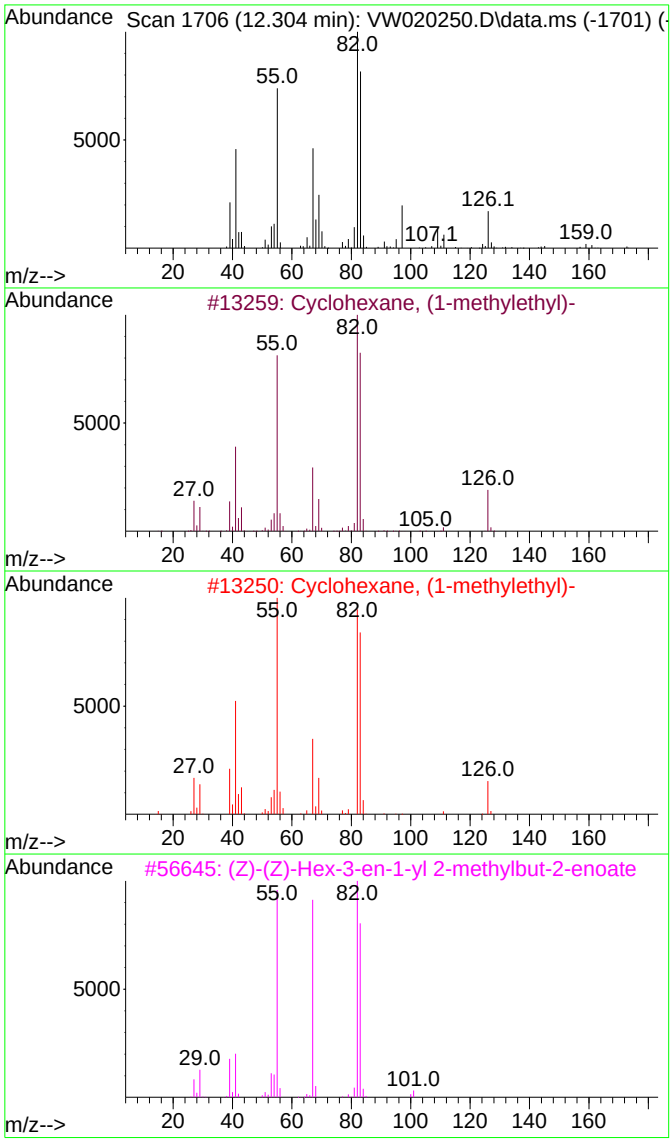
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

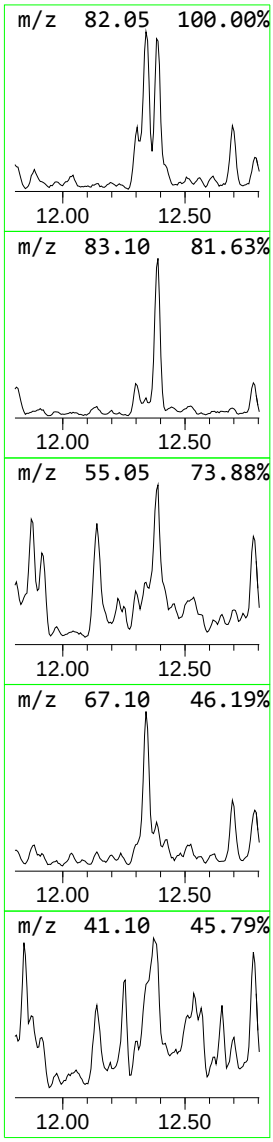
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Cyclic12.304 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	4.00 ug/L	89786	Chlorobenzene-d5	11.633

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	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	64
4	Cyclohexanone, 2,2,5,5-tetrameth...	166	C11H18O	035505-97-6	64
5	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

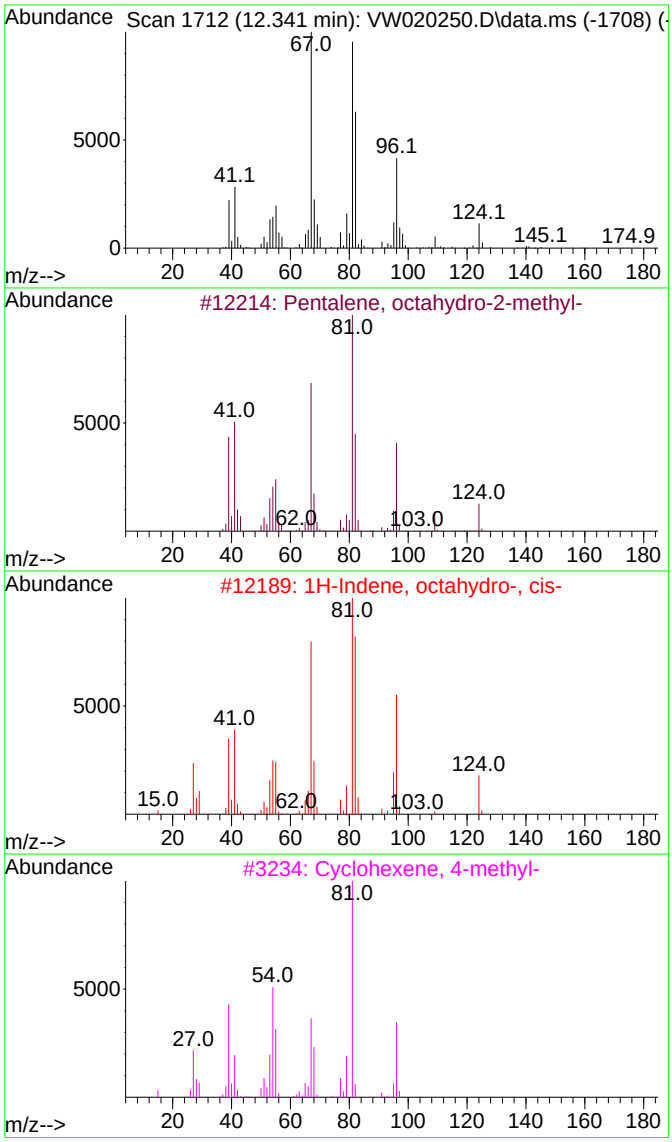
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

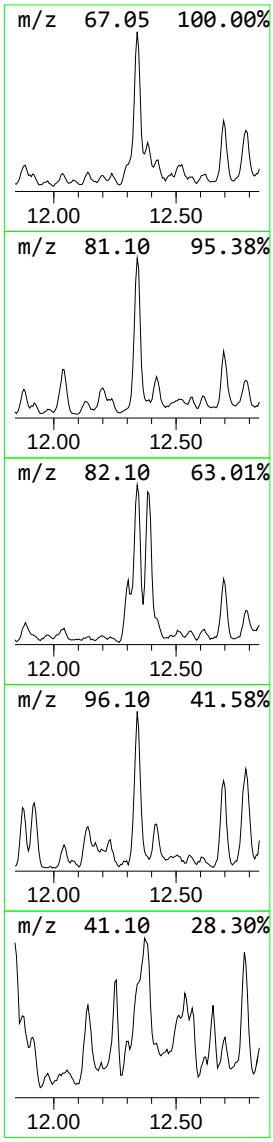
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Pentalene, octahydro-2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	15.13 ug/L	339460	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	49
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
4	1-Methylcyclooctene	124	C9H16	000933-11-9	45
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

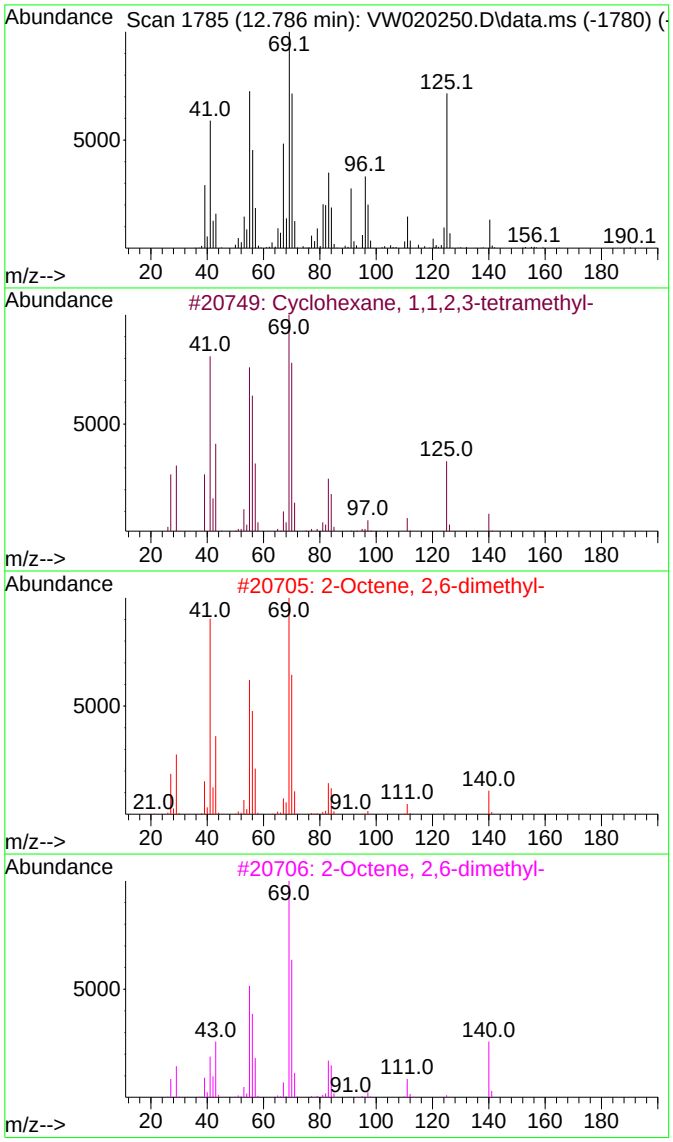
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

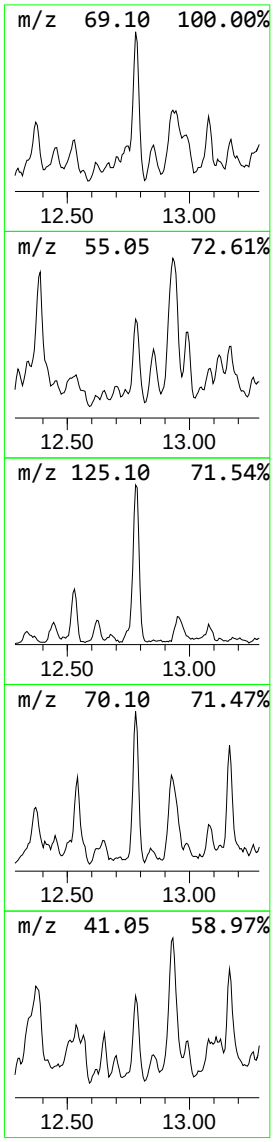
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic12.786 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	30.70 ug/L	467163	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
4	Silane, trimethyl(3-methyl-1-but...	140	C8H16Si	018388-07-3	43
5	4-Decene	140	C10H20	019689-18-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

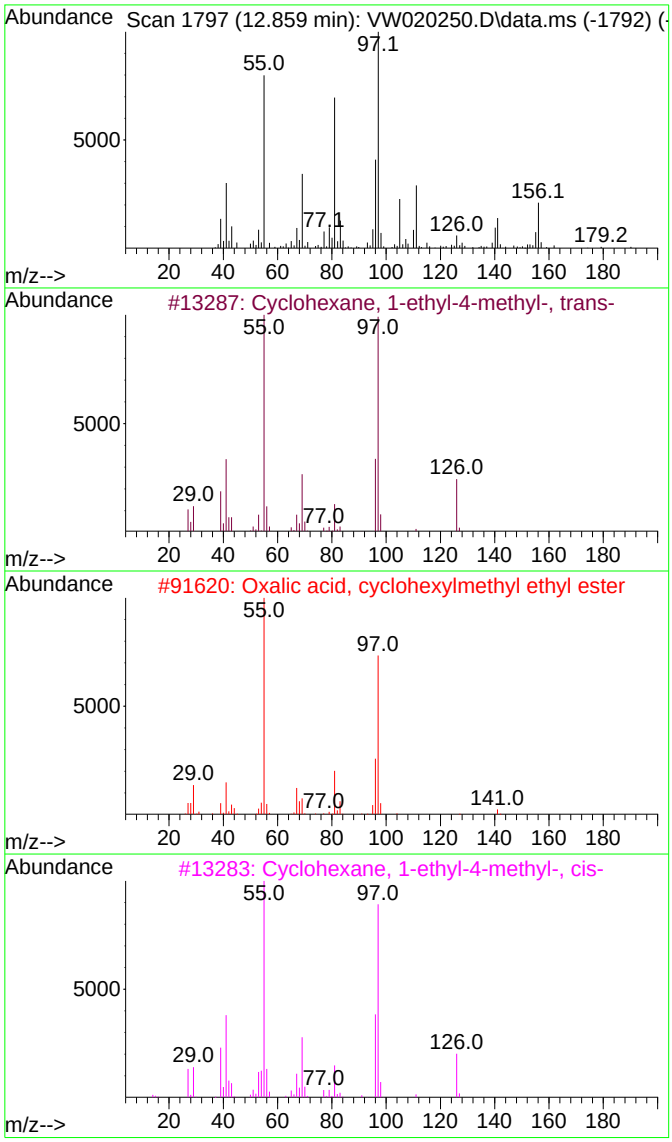
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

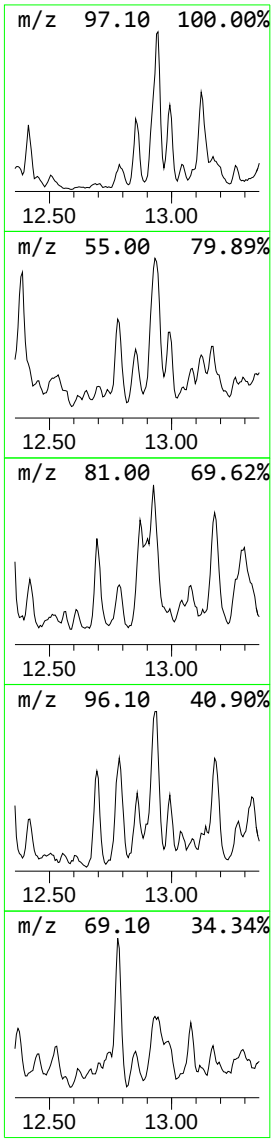
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Cyclic12.859 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	11.64 ug/L	177068	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
2	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	47
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	47
4	Cyclohexane, 1-methyl-4-(1-methy...	168	C12H24	054411-00-6	47
5	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

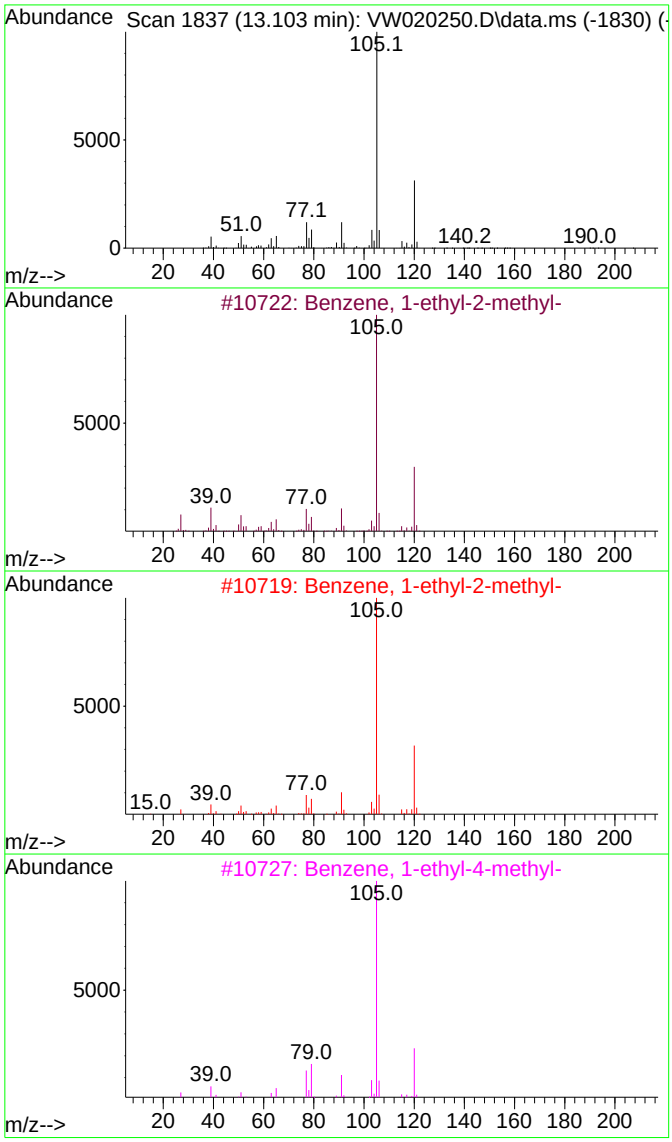
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

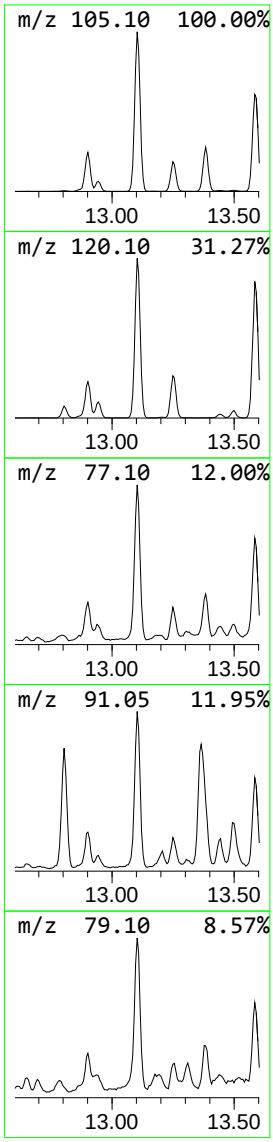
****

Peak Number 39 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	110.35 ug/L	1679040	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
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\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

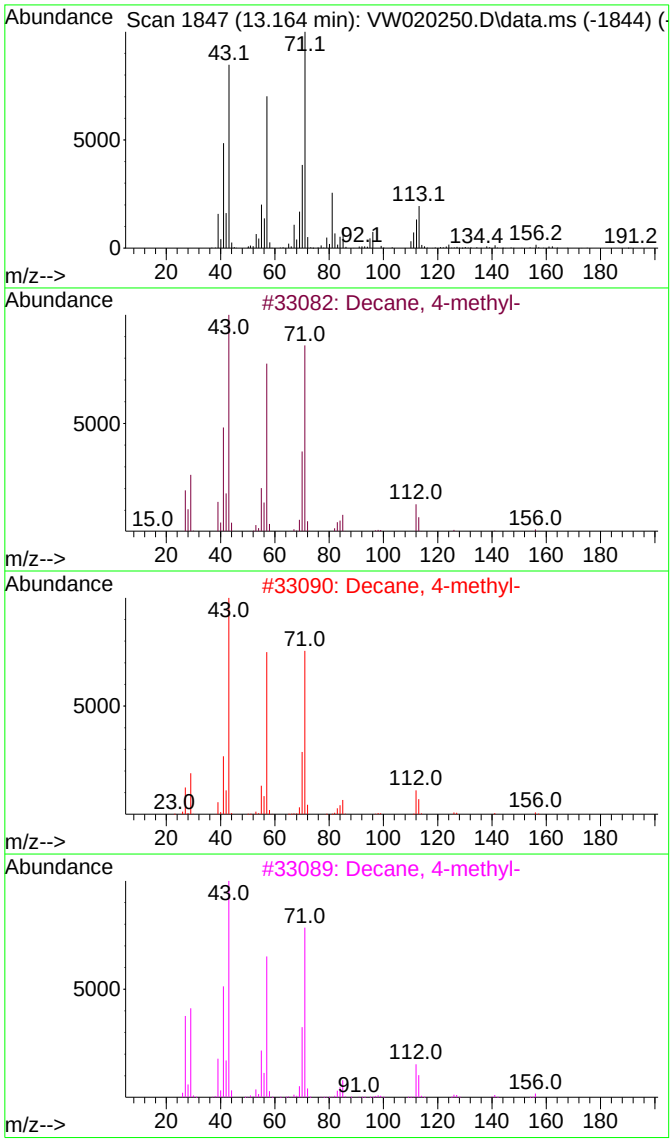
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

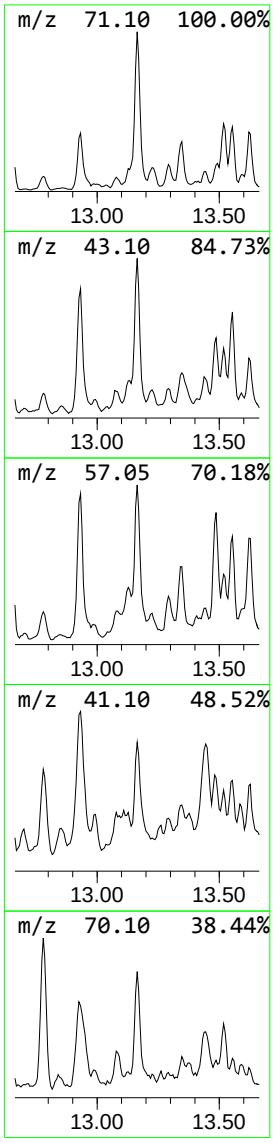
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	29.15 ug/L	443518	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	81
2	Decane, 4-methyl-	156	C11H24	002847-72-5	74
3	Decane, 4-methyl-	156	C11H24	002847-72-5	60
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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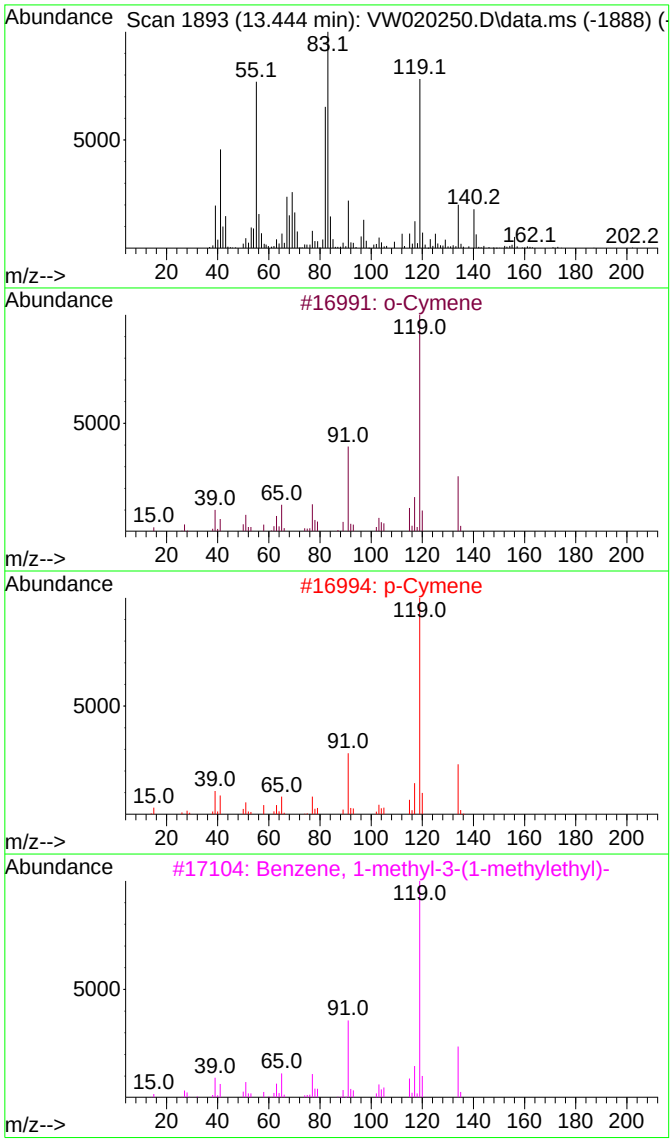
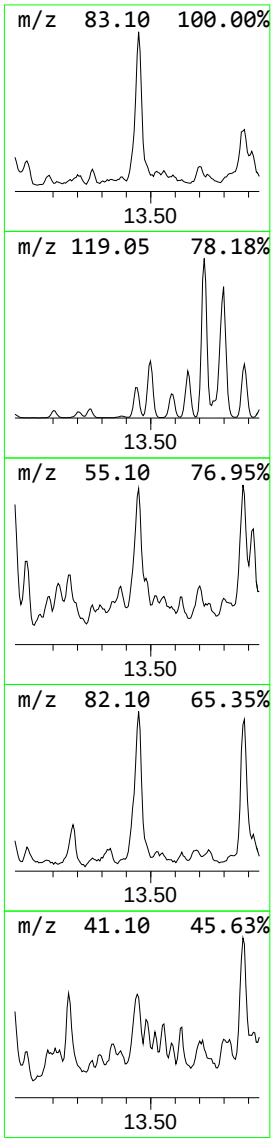
Peak Number 41 o-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	34.74 ug/L	528531	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	92
2	p-Cymene	134	C10H14	000099-87-6	74
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	74
4	p-Cymene	134	C10H14	000099-87-6	74
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

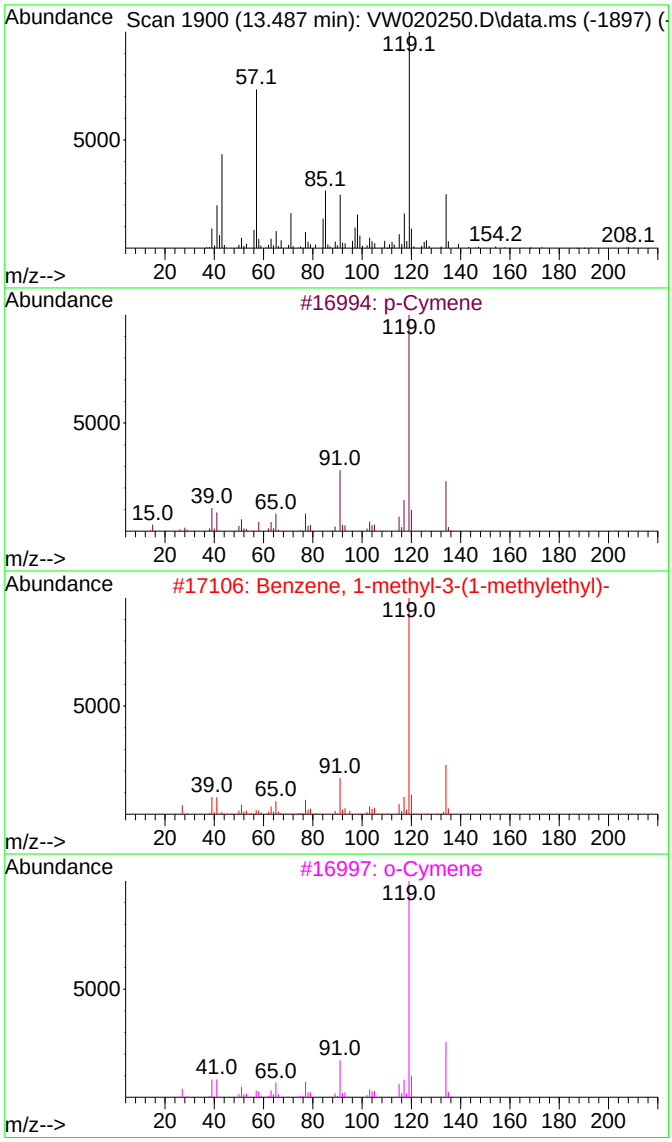
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

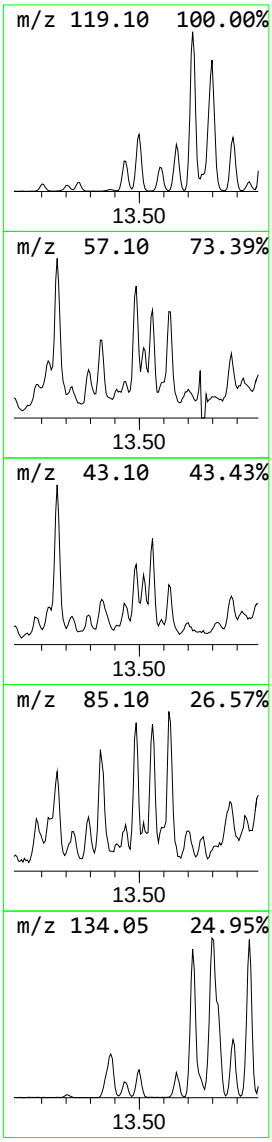
****

Peak Number 42 p-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	24.09 ug/L	366611	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	90
3	o-Cymene	134	C10H14	000527-84-4	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	o-Cymene	134	C10H14	000527-84-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

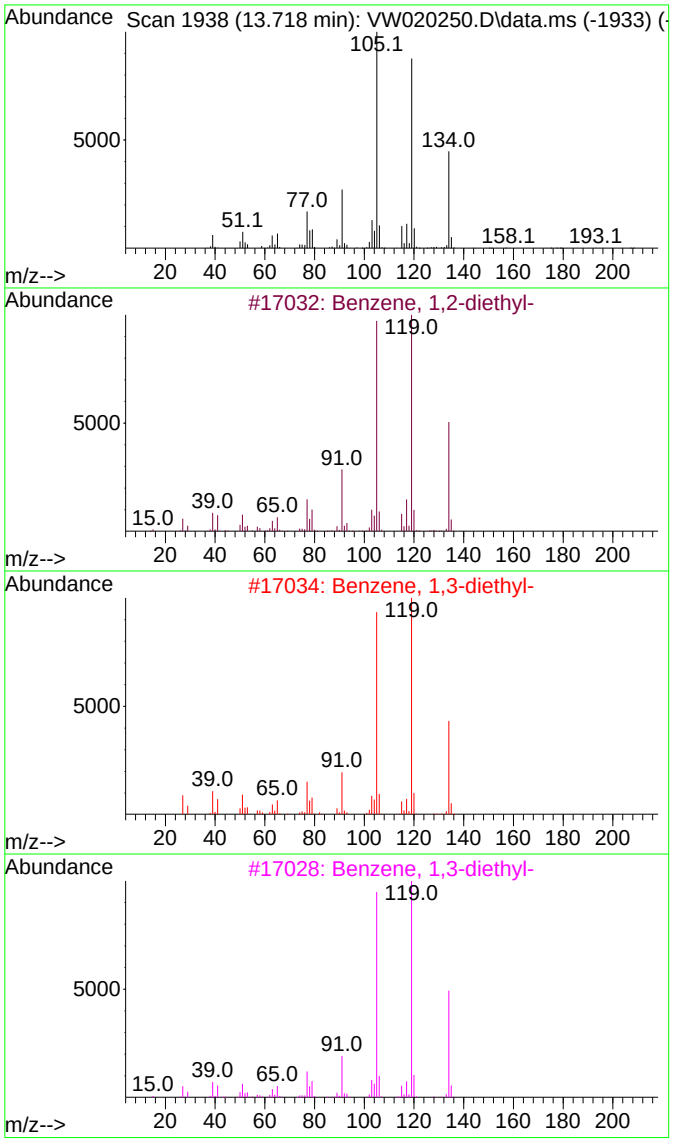
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

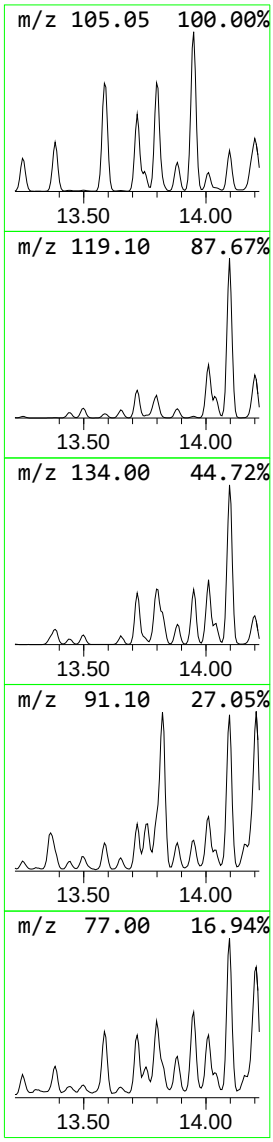
****

Peak Number 43 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.718	69.30 ug/L	1054510	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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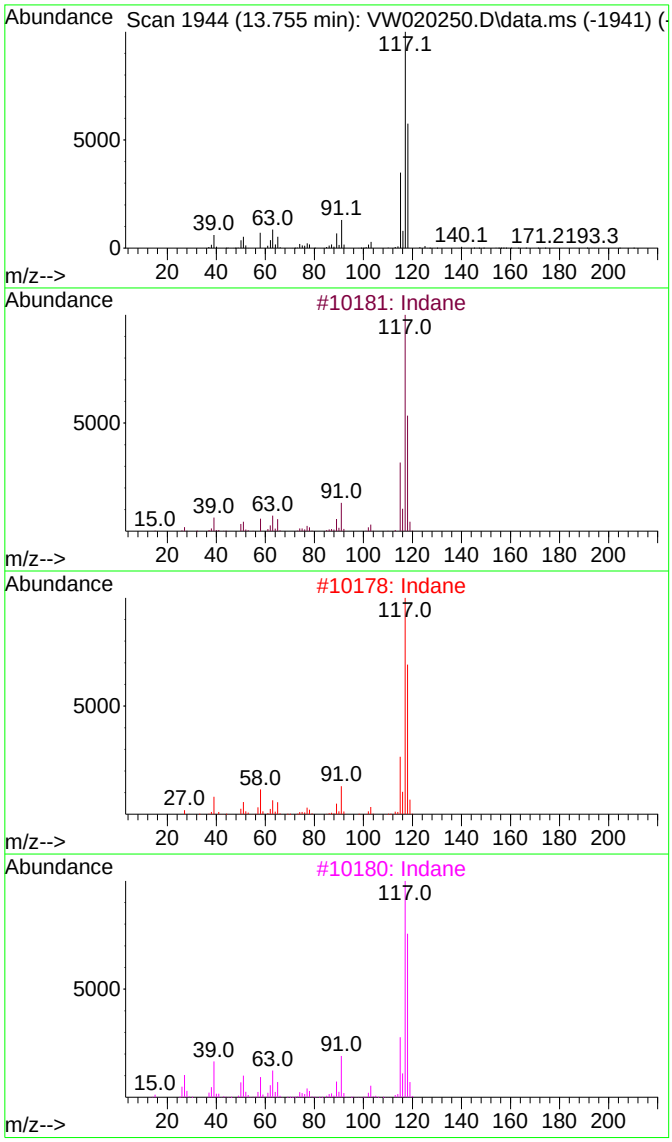
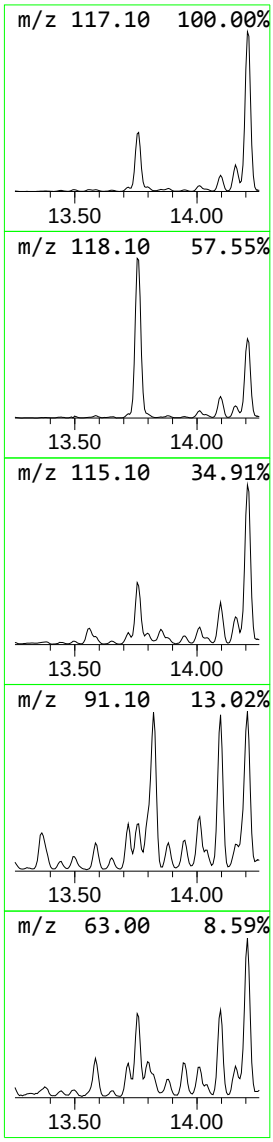
Peak Number 44 Indane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	75.74 ug/L	1152370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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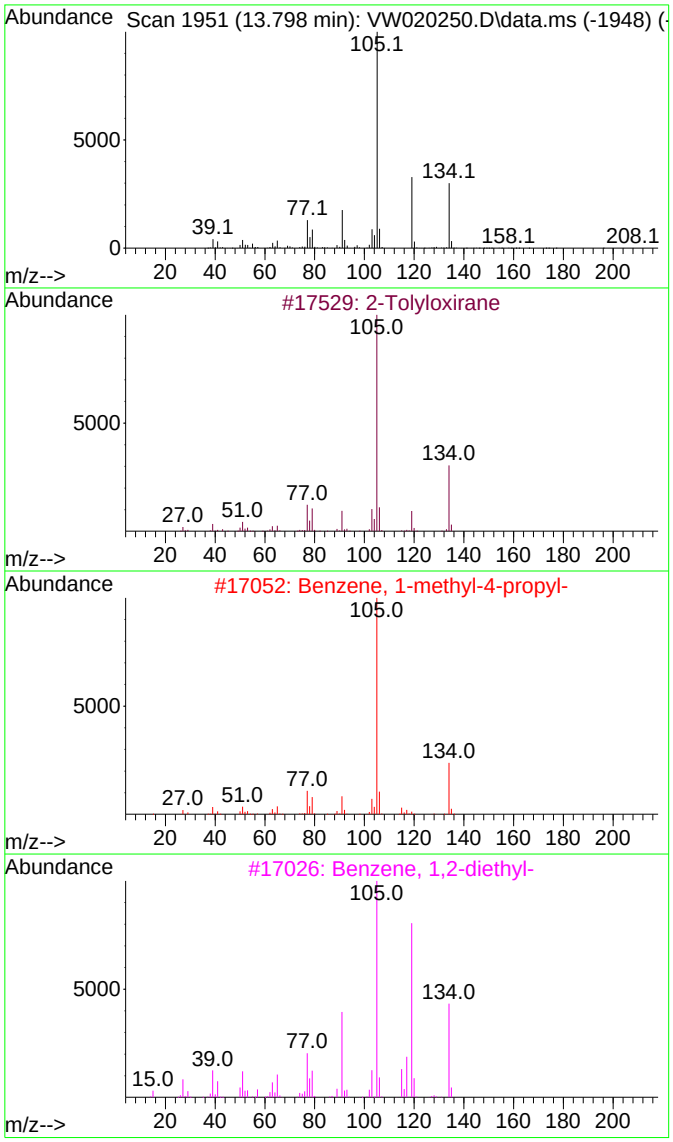
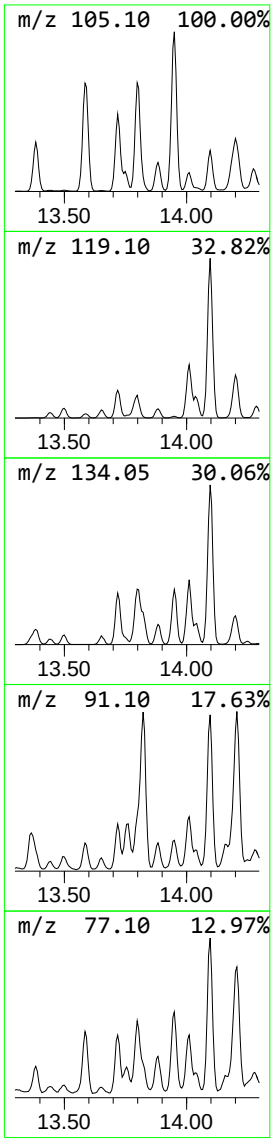
Peak Number 45 2-Tolyloxirane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	84.06 ug/L	1279100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	76
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	72
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

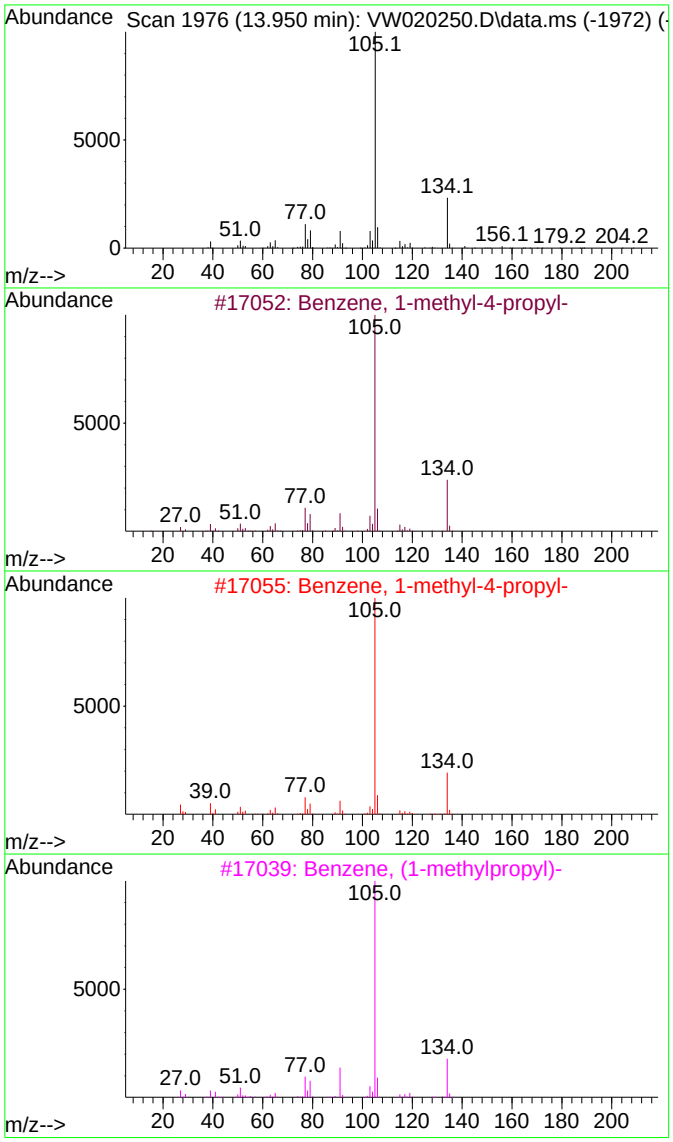
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

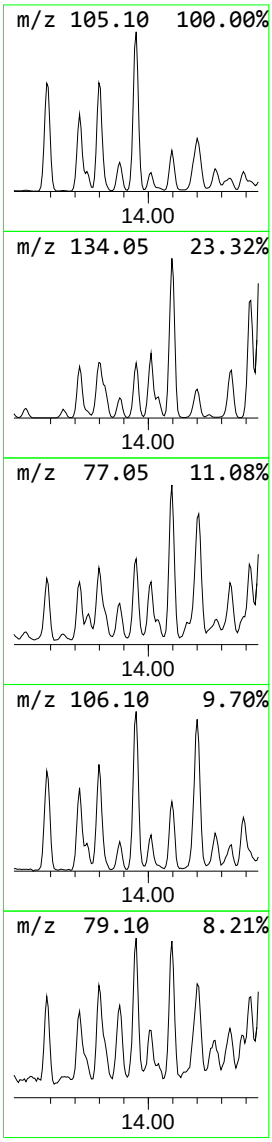
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.950	58.02 ug/L	882803	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

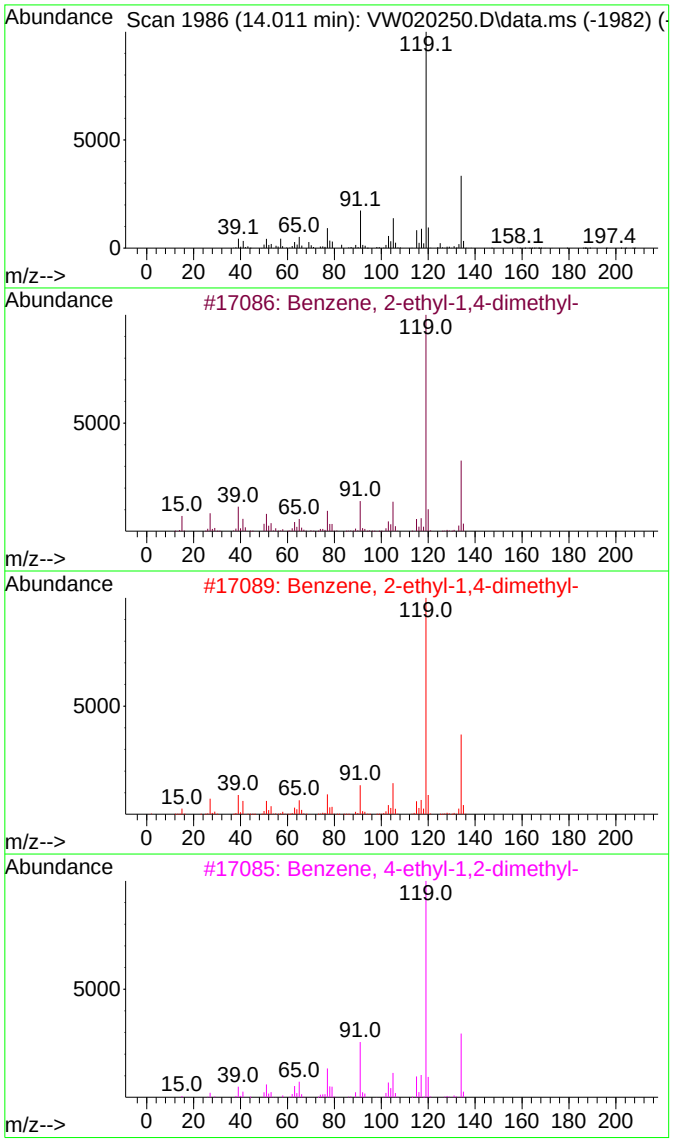
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

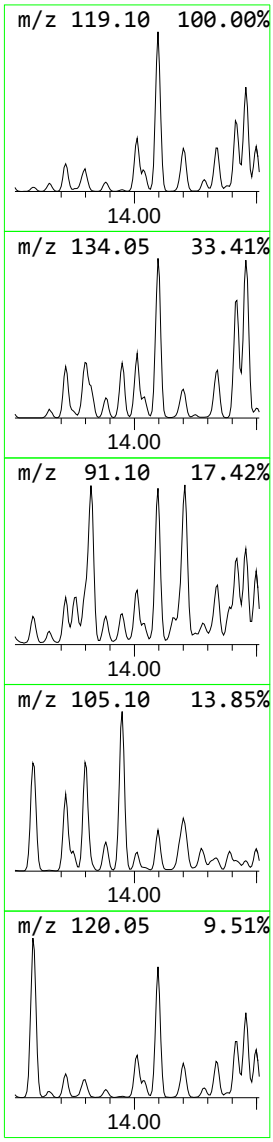
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	70.06 ug/L	1065930	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

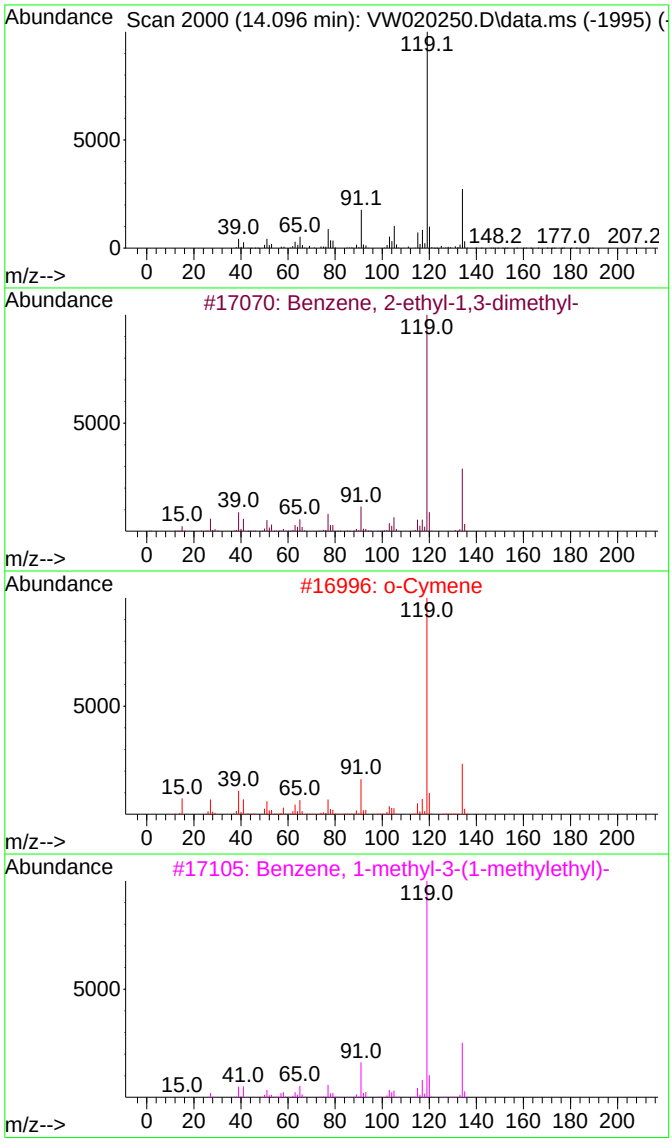
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

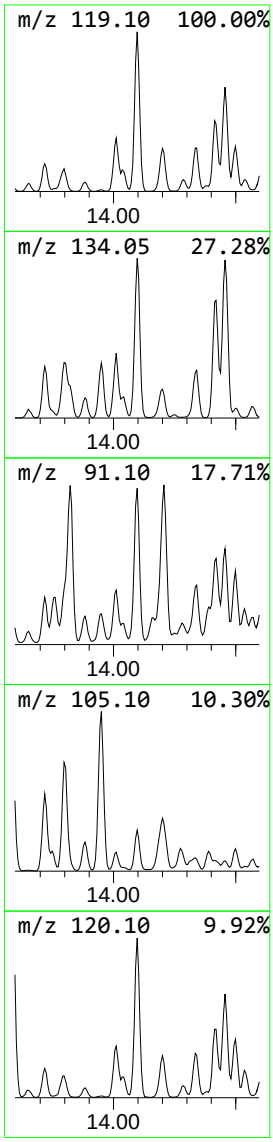
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.096	208.89 ug/L	3178380	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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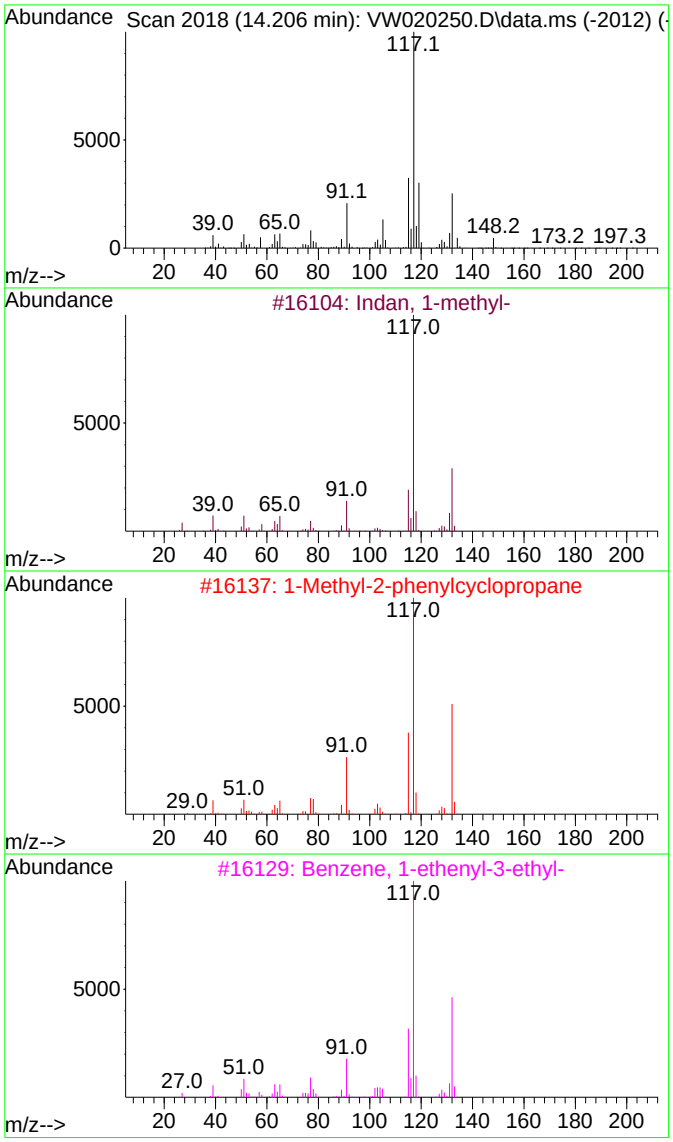
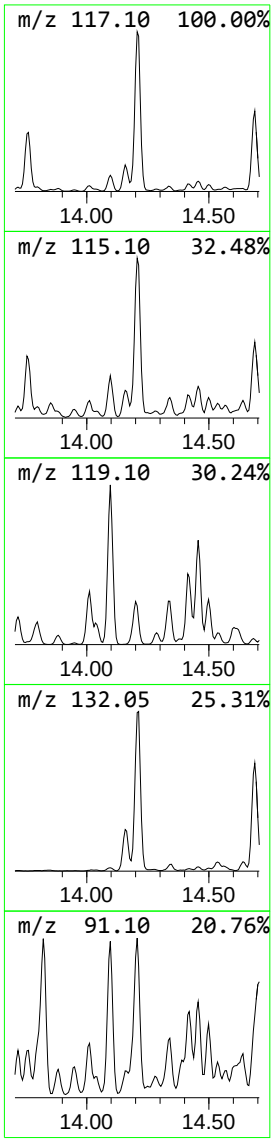
Peak Number 49 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	283.29 ug/L	4310450	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	81
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

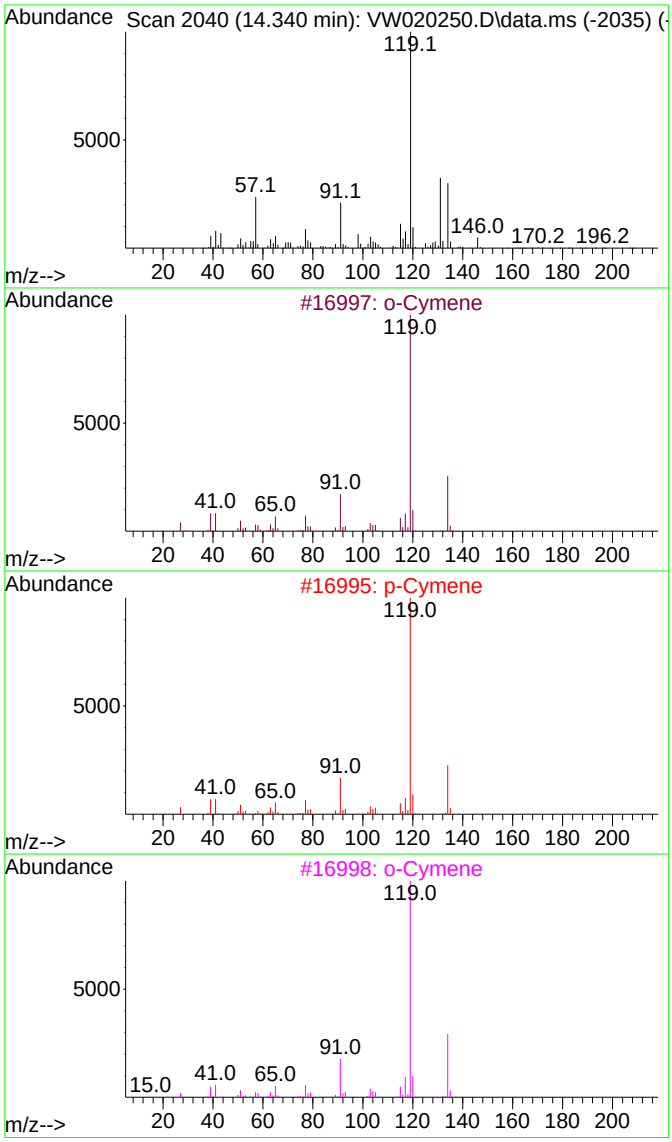
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

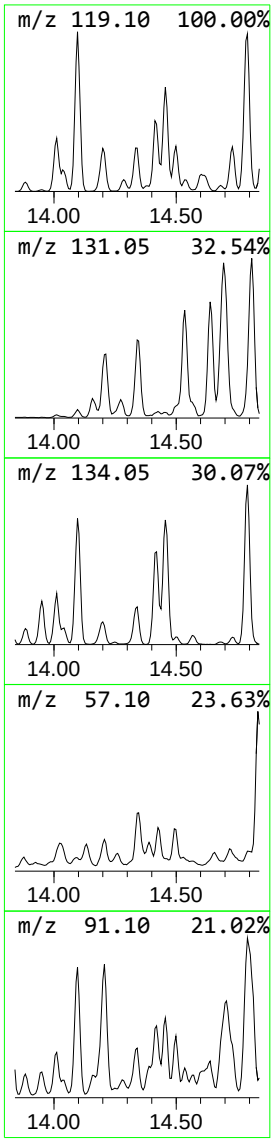
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	82.74 ug/L	1258950	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	p-Cymene	134	C10H14	000099-87-6	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

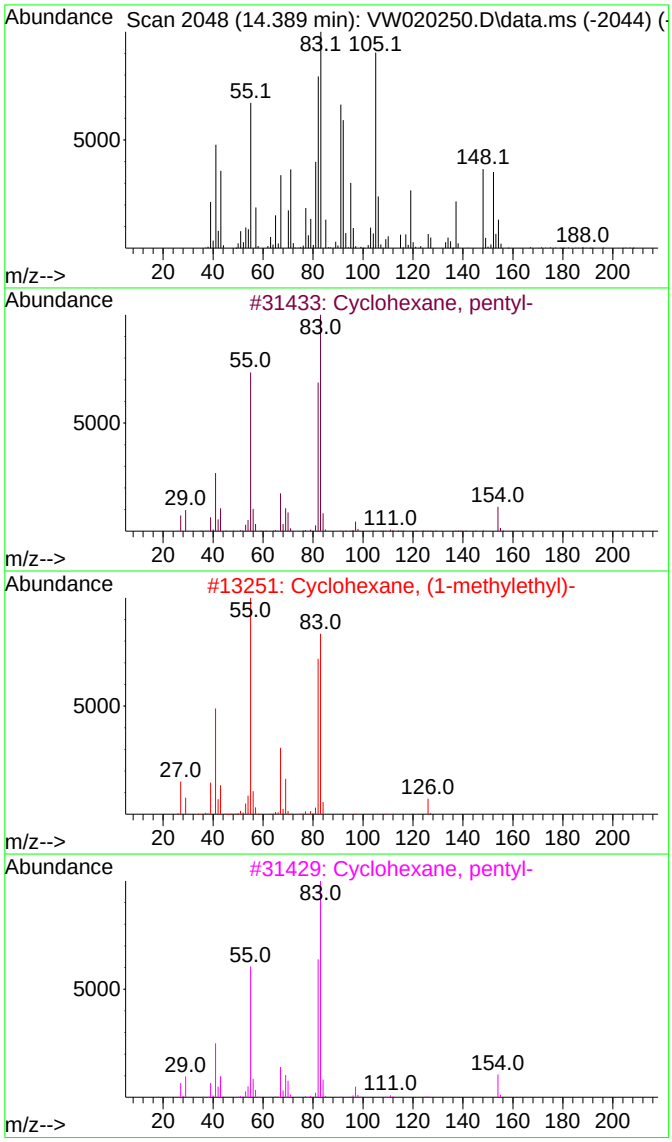
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

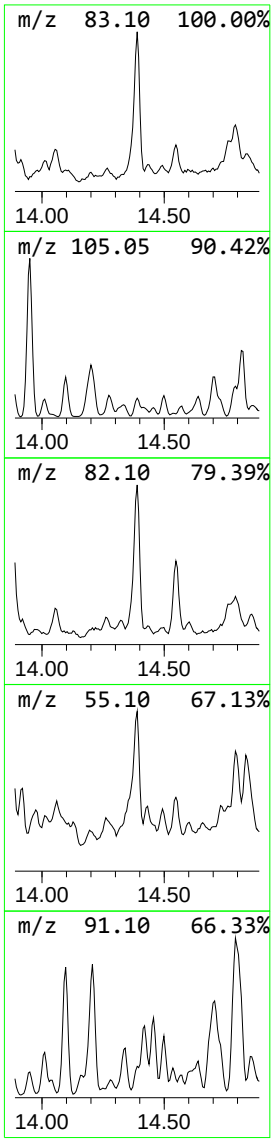
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Cyclic14.389 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	49.48 ug/L	752904	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
5	Cyclohexane, 1,1'-(1,2-ethanediy...	194	C14H26	003321-50-4	35





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Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

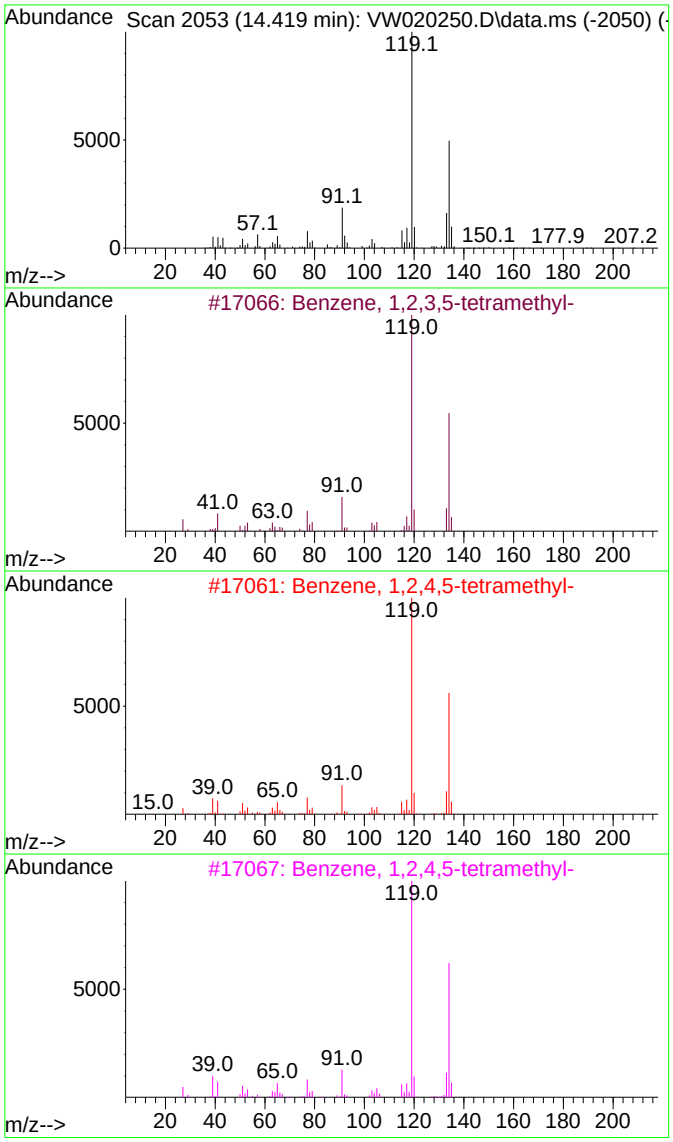
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

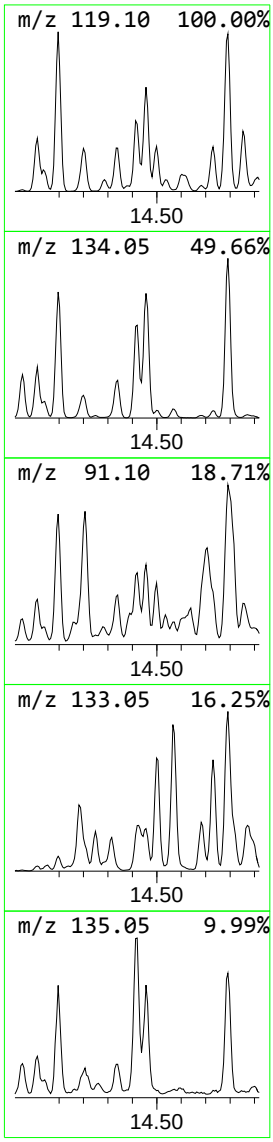
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.419	99.06 ug/L	1507260	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

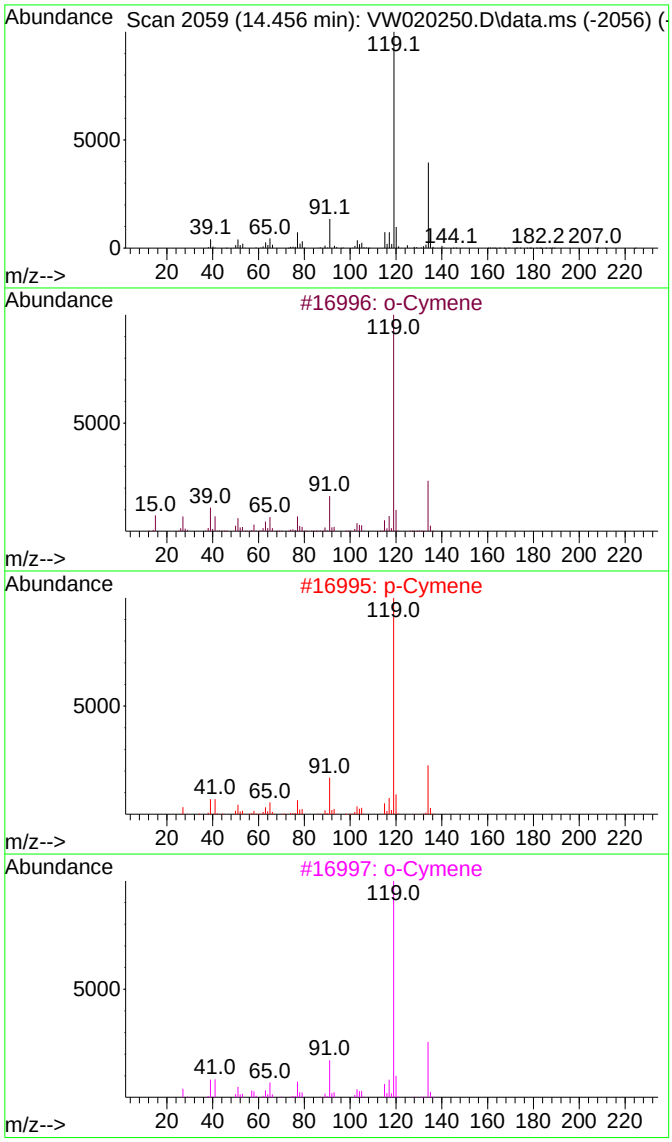
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

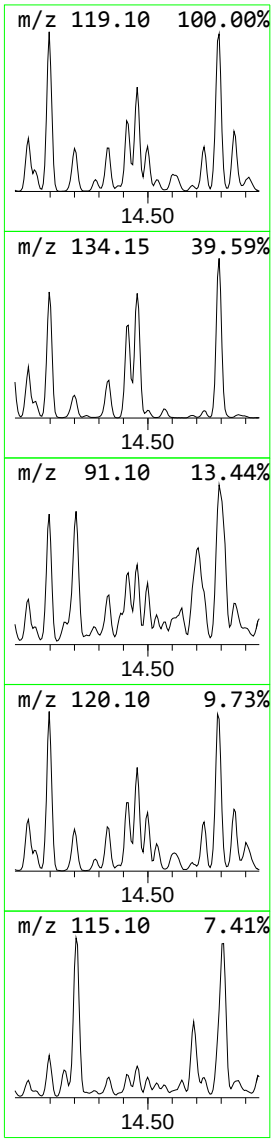
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	108.24 ug/L	1646910	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

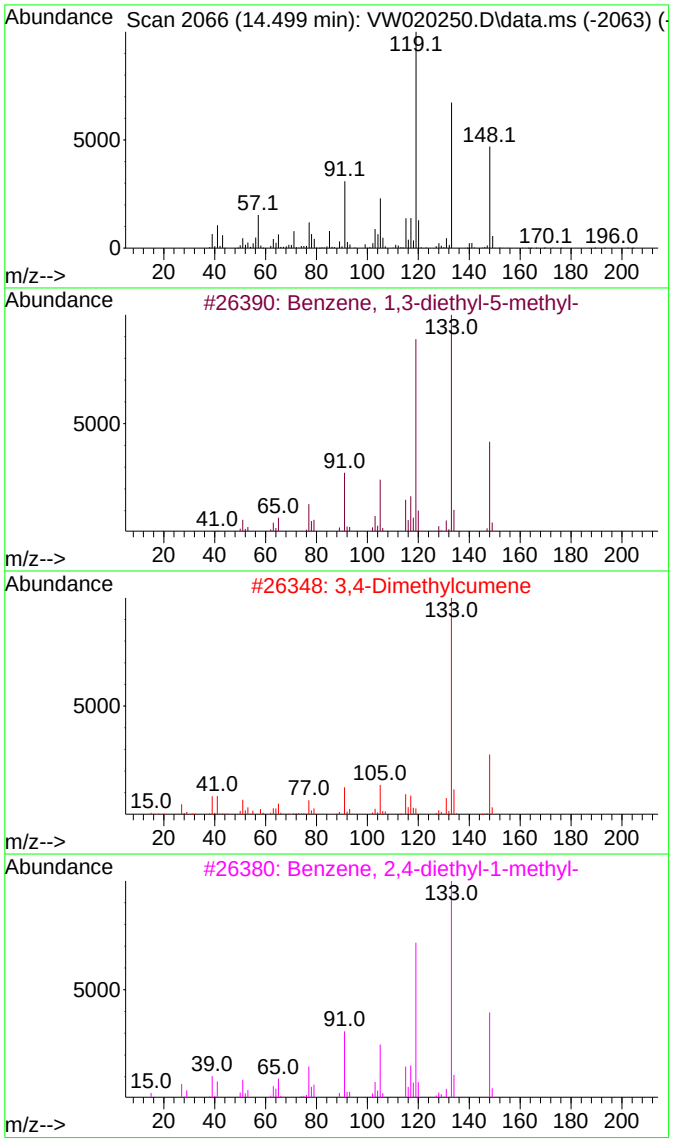
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

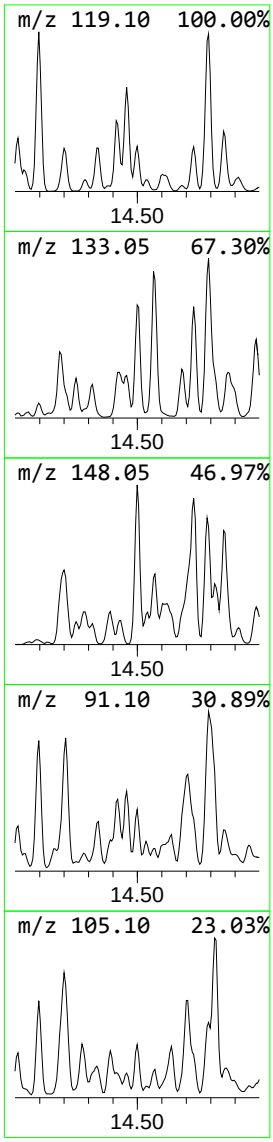
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	65.06 ug/L	989991	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	64
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	53
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

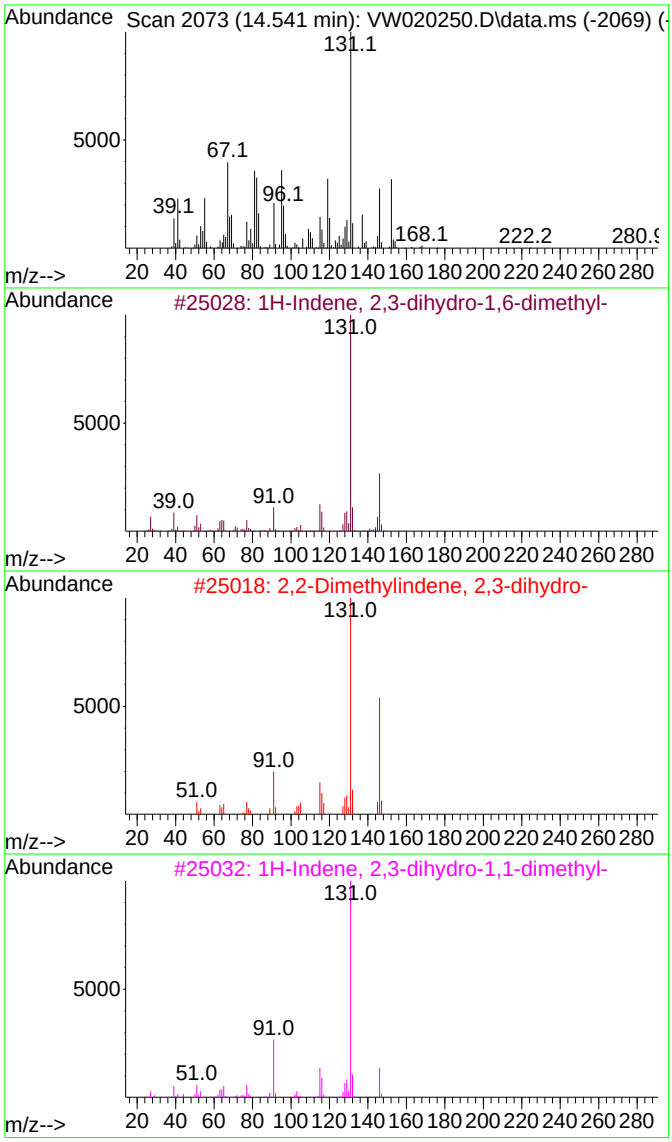
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

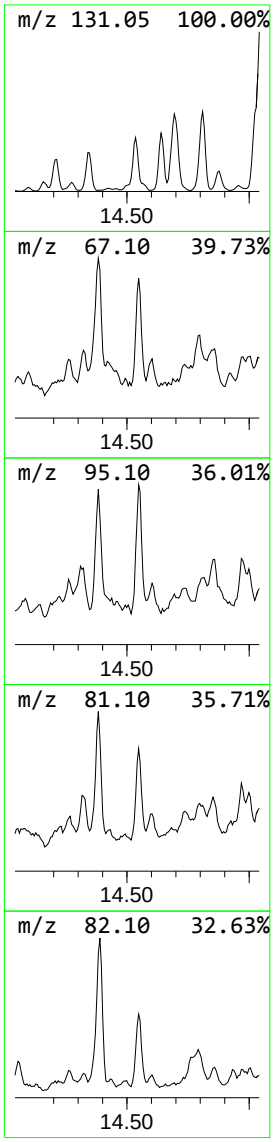
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.541	39.70 ug/L	604057	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	46
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	46
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

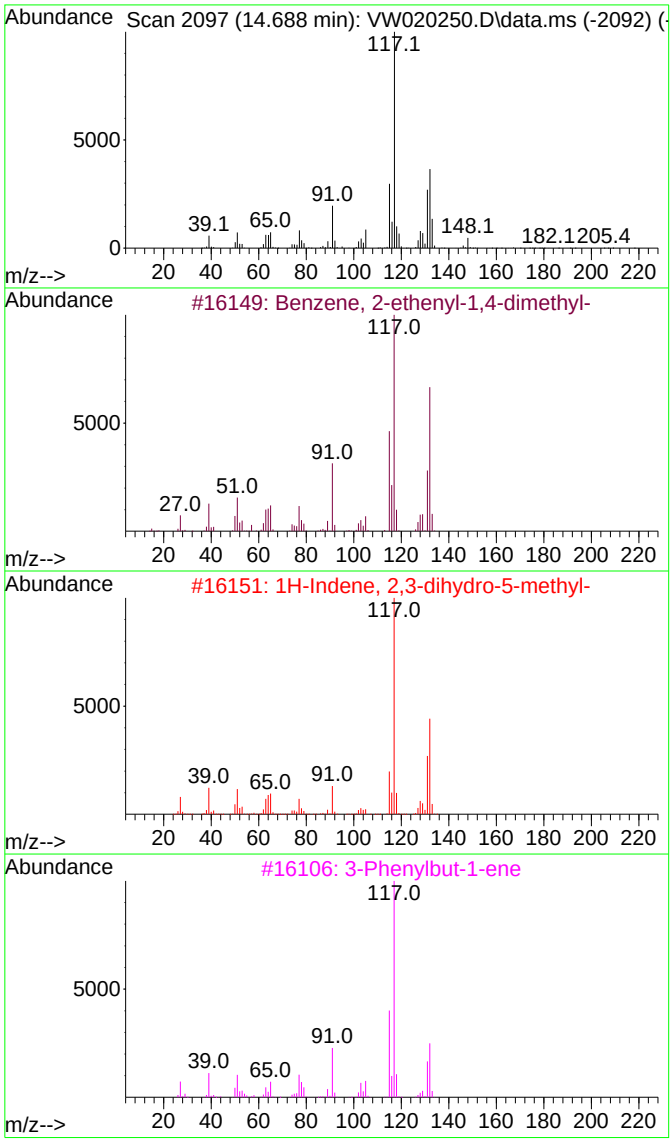
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

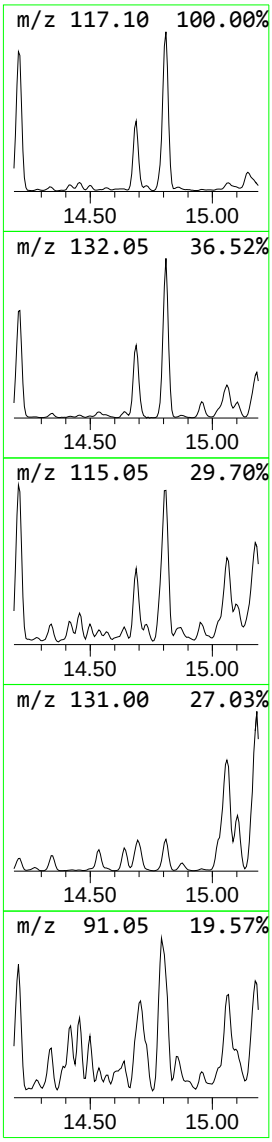
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	160.11 ug/L	2436200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

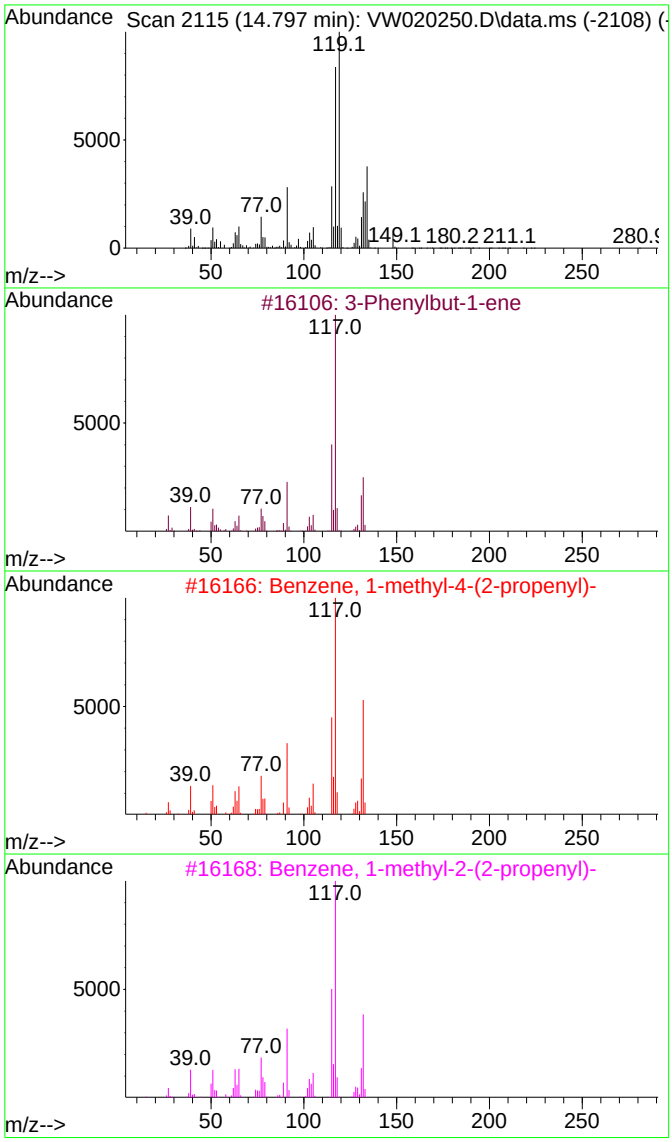
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

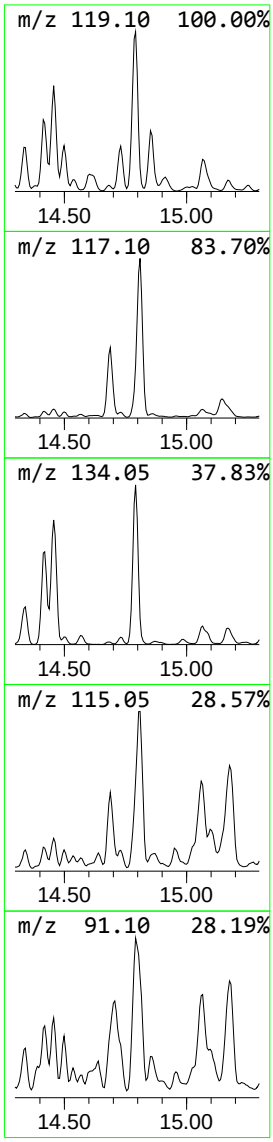
****

Peak Number 57 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.797	583.24 ug/L	8874340	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

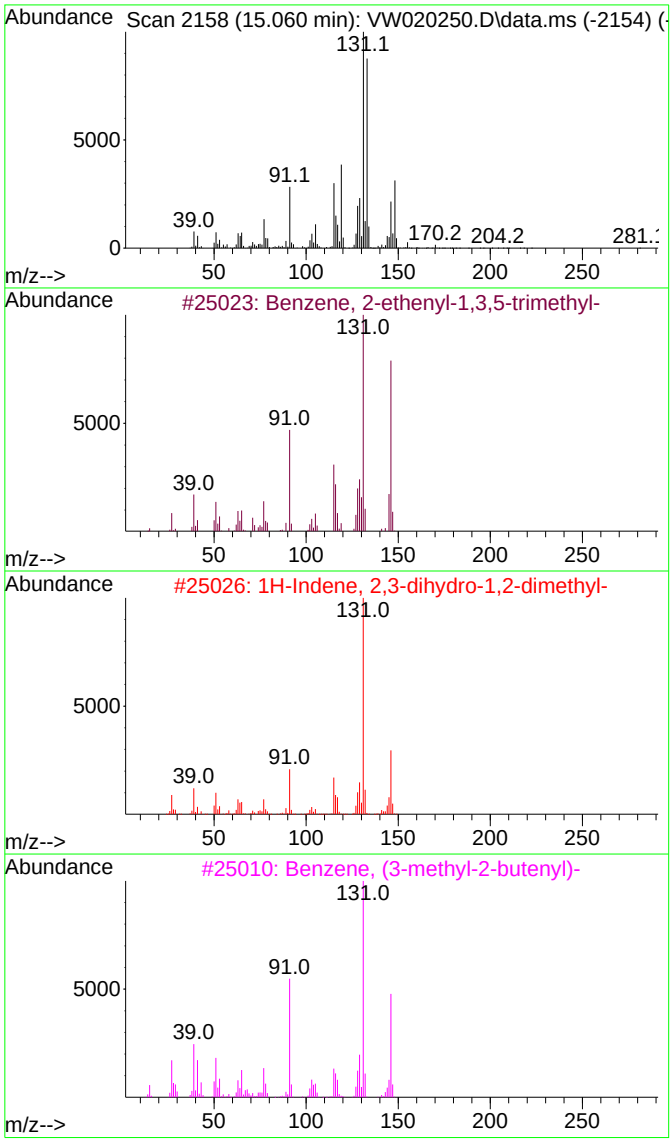
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

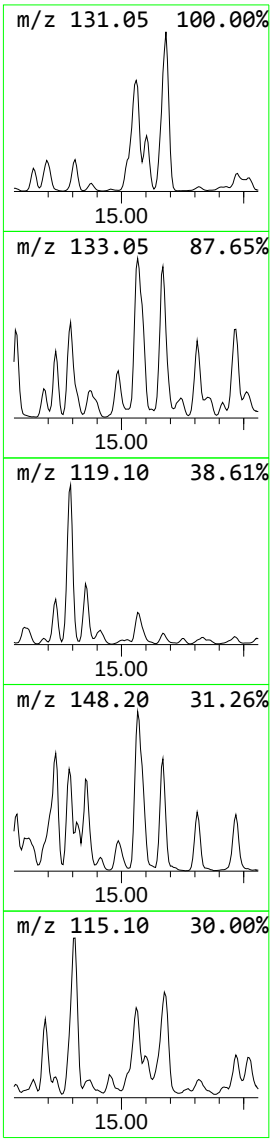
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	219.77 ug/L	3343930	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	50
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	45
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

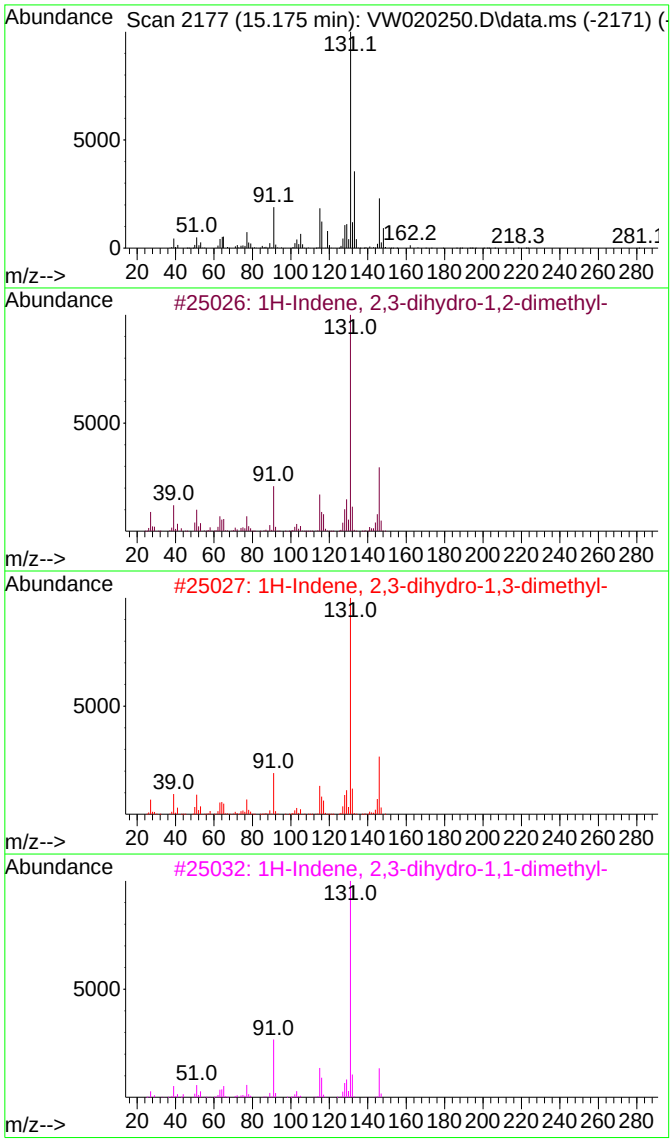
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

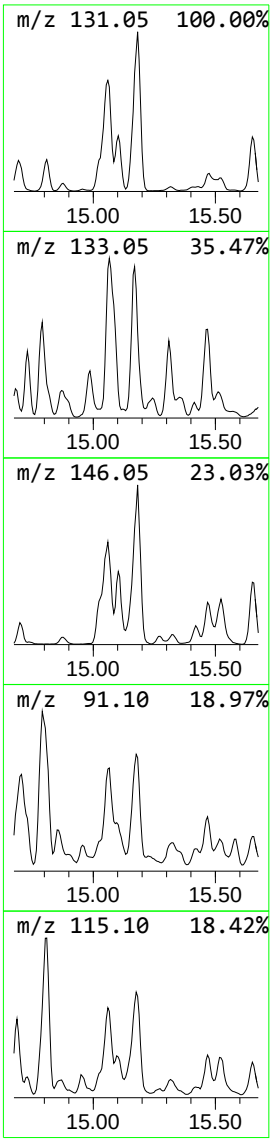
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.175	346.99 ug/L	5279660	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	81
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

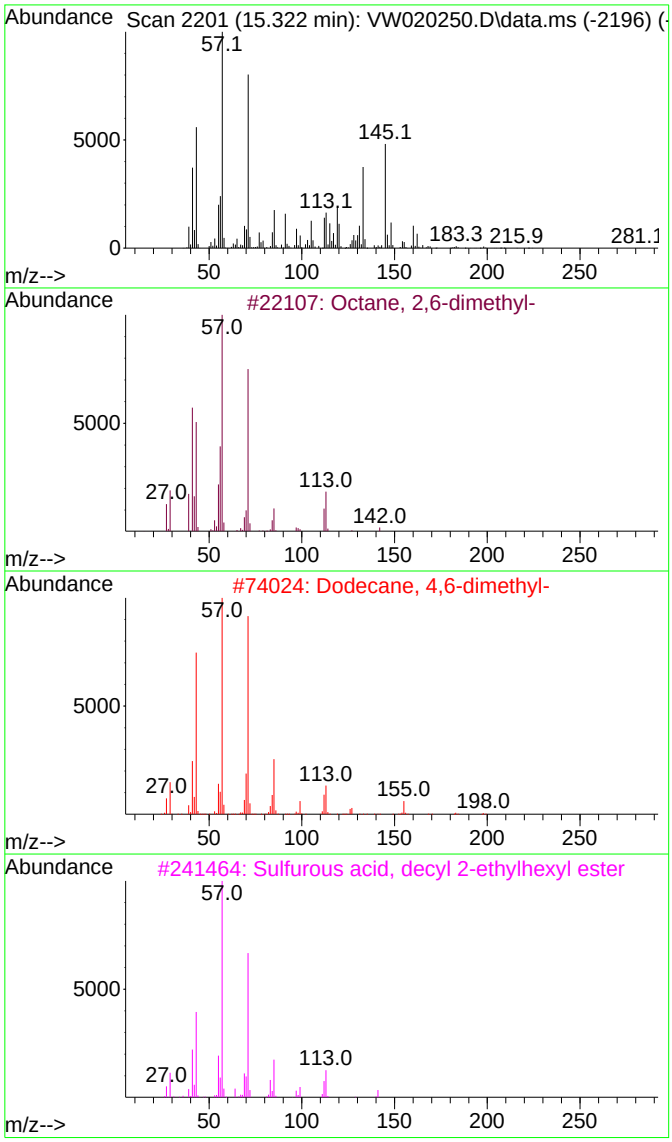
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

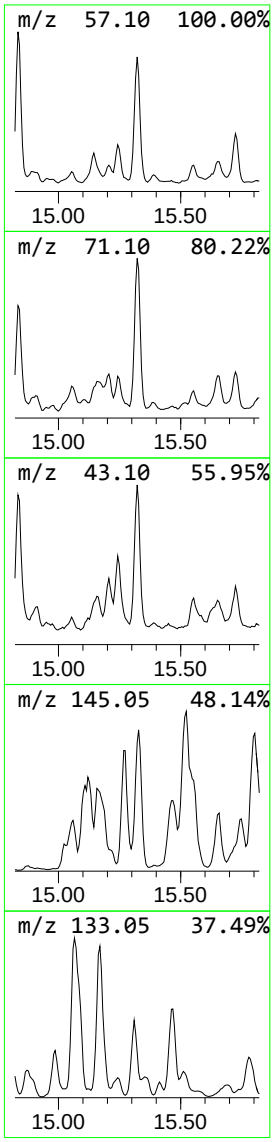
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	117.69 ug/L	1790690	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	41
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	38
4	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	38
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

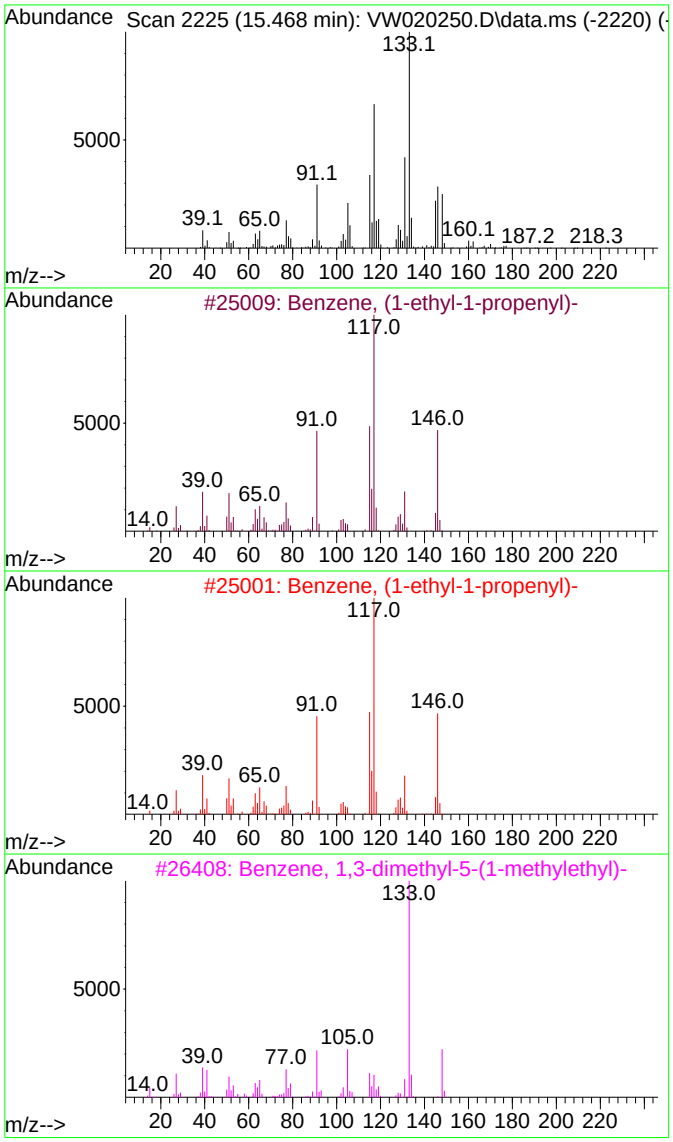
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

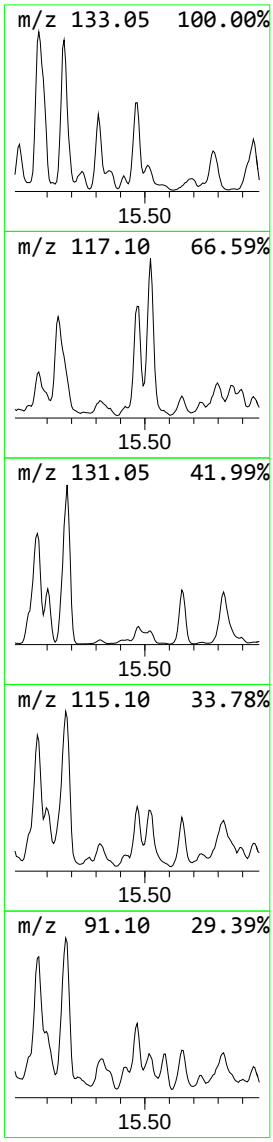
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.468	104.59 ug/L	1591370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	64
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	64
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	43
4	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	42
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

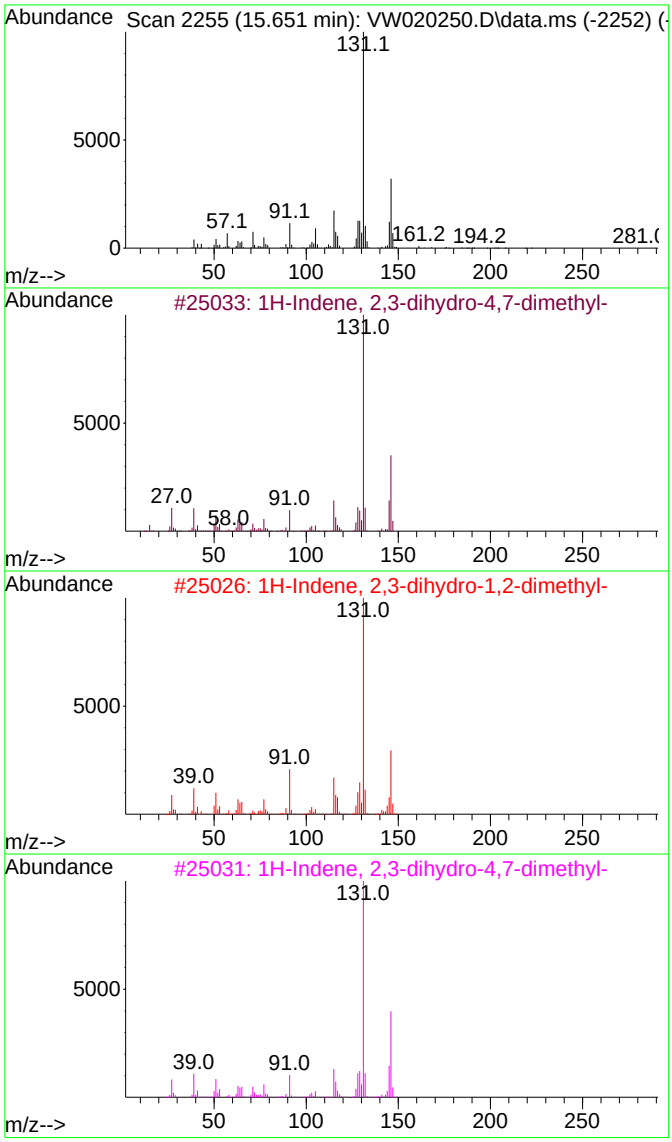
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

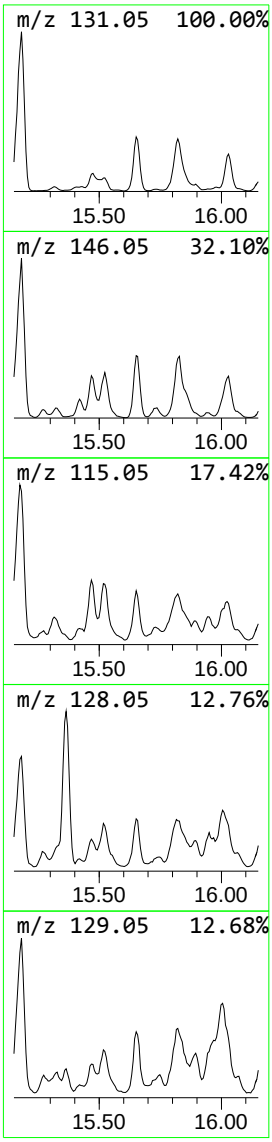
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	107.68 ug/L	1638380	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	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	91





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Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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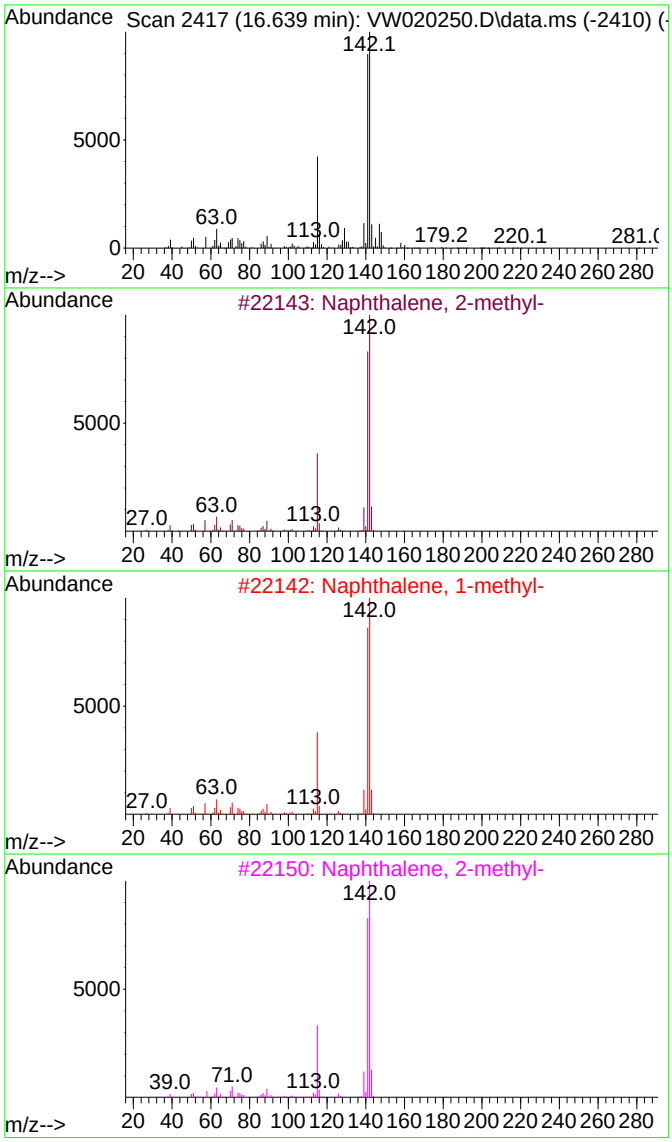
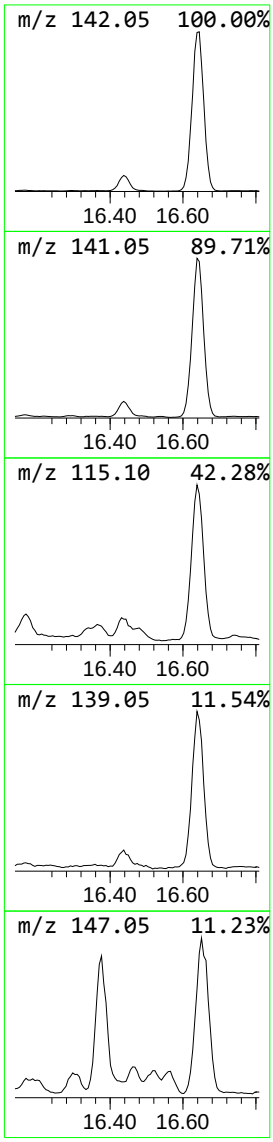
Peak Number 63 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	279.34 ug/L	4250330	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020250.D
Acq On : 29 Sep 2021 23:55
Operator : SY/VA
Sample : M3974-01
Misc : 5.17g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.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...	5.951	1.4	ug/L	27153	1	8.847	492151	25.0
(DEL) Alkane: S...	8.043	1.3	ug/L	25988	1	8.847	492151	25.0
(DEL) Alkane: S...	8.165	3.3	ug/L	64029	1	8.847	492151	25.0
(DEL) Alkane: C...	8.439	3.0	ug/L	58691	1	8.847	492151	25.0
(DEL) Alkane: C...	8.512	2.4	ug/L	46904	1	8.847	492151	25.0
(DEL) Alkane: C...	8.579	4.5	ug/L	89482	1	8.847	492151	25.0
(DEL) Alkane: S...	8.701	6.3	ug/L	123857	1	8.847	492151	25.0
(DEL) Alkane: C...	9.524	3.5	ug/L	68575	1	8.847	492151	25.0
(DEL) Alkane: C...	9.609	4.2	ug/L	82217	1	8.847	492151	25.0
(DEL) Alkane: C...	9.756	6.1	ug/L	120920	1	8.847	492151	25.0
(DEL) Alkane: S...	9.902	1.7	ug/L	32900	1	8.847	492151	25.0
(DEL) Alkane: S...	9.963	8.3	ug/L	163632	1	8.847	492151	25.0
Hexane, 1-(hexy...	10.097	8.8	ug/L	173607	1	8.847	492151	25.0
Cyclohexene, 1-...	10.207	3.1	ug/L	60147	1	8.847	492151	25.0
(DEL) Alkane: C...	10.451	1.8	ug/L	39206	2	11.633	560949	25.0
(DEL) Alkane: C...	10.506	18.2	ug/L	408098	2	11.633	560949	25.0
(DEL) Alkane: C...	10.670	9.7	ug/L	217173	2	11.633	560949	25.0
(DEL) Alkane: C...	10.756	9.9	ug/L	222209	2	11.633	560949	25.0
(DEL) Alkane: S...	10.847	1.9	ug/L	42371	2	11.633	560949	25.0
2,4-Hexadiene, ...	11.018	4.6	ug/L	102772	2	11.633	560949	25.0
(DEL) Alkane: C...	11.103	4.0	ug/L	88851	2	11.633	560949	25.0
(DEL) Alkane: C...	11.146	2.7	ug/L	59982	2	11.633	560949	25.0
(DEL) Alkane: C...	11.182	13.4	ug/L	301250	2	11.633	560949	25.0
(DEL) Alkane: C...	11.231	14.7	ug/L	330317	2	11.633	560949	25.0
unknown-01	11.286	2.2	ug/L	48817	2	11.633	560949	25.0
unknown-02	11.335	6.1	ug/L	136625	2	11.633	560949	25.0
(DEL) Alkane: C...	11.432	12.4	ug/L	277502	2	11.633	560949	25.0
(DEL) Alkane: S...	11.512	7.7	ug/L	171649	2	11.633	560949	25.0
Pentalene, octa...	11.725	3.3	ug/L	74319	2	11.633	560949	25.0
(DEL) Alkane: C...	11.768	1.6	ug/L	35609	2	11.633	560949	25.0
(DEL) Alkane: C...	11.975	1.8	ug/L	39637	2	11.633	560949	25.0
(DEL) Alkane: S...	12.255	9.3	ug/L	208409	2	11.633	560949	25.0
(DEL) Alkane: C...	12.304	4.0	ug/L	89786	2	11.633	560949	25.0
Pentalene, octa...	12.341	15.1	ug/L	339460	2	11.633	560949	25.0
(DEL) Alkane: C...	12.786	30.7	ug/L	467163	3	13.560	380391	25.0
(DEL) Alkane: C...	12.859	11.6	ug/L	177068	3	13.560	380391	25.0
Benzene, 1-ethy...	13.103	110.3	ug/L	1679040	3	13.560	380391	25.0
(DEL) Alkane: S...	13.164	29.1	ug/L	443518	3	13.560	380391	25.0
o-Cymene	13.444	34.7	ug/L	528531	3	13.560	380391	25.0
p-Cymene	13.487	24.1	ug/L	366611	3	13.560	380391	25.0
Benzene, 1,2-di...	13.718	69.3	ug/L	1054510	3	13.560	380391	25.0
Indane	13.755	75.7	ug/L	1152370	3	13.560	380391	25.0
2-Tolyloxirane	13.798	84.1	ug/L	1279100	3	13.560	380391	25.0
Benzene, 1-meth...	13.950	58.0	ug/L	882803	3	13.560	380391	25.0
Benzene, 2-ethy...	14.011	70.1	ug/L	1065930	3	13.560	380391	25.0
Benzene, 2-ethy...	14.096	208.9	ug/L	3178380	3	13.560	380391	25.0
Indan, 1-methyl-	14.206	283.3	ug/L	4310450	3	13.560	380391	25.0
Benzene, 1-ethy...	14.340	82.7	ug/L	1258950	3	13.560	380391	25.0
(DEL) Alkane: C...	14.389	49.5	ug/L	752904	3	13.560	380391	25.0
Benzene, 1,2,3,...	14.419	99.1	ug/L	1507260	3	13.560	380391	25.0
Benzene, 1-meth...	14.456	108.2	ug/L	1646910	3	13.560	380391	25.0
Benzene, 1,3-di...	14.499	65.1	ug/L	989991	3	13.560	380391	25.0

1H-Indene, 2,3-...	14.541	39.7	ug/L	604057	3	13.560	380391	25.0
Benzene, 2-ethe...	14.688	160.1	ug/L	2436200	3	13.560	380391	25.0
3-Phenylbut-1-ene	14.797	583.2	ug/L	8874340	3	13.560	380391	25.0
Benzene, 2-ethe...	15.060	219.8	ug/L	3343930	3	13.560	380391	25.0
1H-Indene, 2,3-...	15.175	347.0	ug/L	5279660	3	13.560	380391	25.0
(DEL) Alkane: S...	15.322	117.7	ug/L	1790690	3	13.560	380391	25.0
Benzene, (1-eth...	15.468	104.6	ug/L	1591370	3	13.560	380391	25.0
1H-Indene, 2,3-...	15.651	107.7	ug/L	1638380	3	13.560	380391	25.0
Naphthalene, 2-...	16.639	279.3	ug/L	4250330	3	13.560	380391	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7