LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

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\SFAMWLM111521SMA.M
Title : SFAM01.0

Signal : TIC: VW021025.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.172	40	44	53	rVB	10807	15409	0.81%	0.425%
2	2.349	68	73	81	rVB	20135	34432	1.81%	0.949%
3	2.891	155	162	173	rVB2	11815	25663	1.35%	0.707%
4	3.025	179	184	197	rVB2	8796	20210	1.06%	0.557%
5	3.385	238	243	251	rVB3	1658	3604	0.19%	0.099%
6	4.019	336	347	359	rBV2	21890	65060	3.42%	1.793%
7	4.391	398	408	420	rBV3	4819	14317	0.75%	0.395%
8	4.927	485	496	499	rBV4	5011	15967	0.84%	0.440%
9	5.165	531	535	538	rBV2	250	489	0.03%	0.013%
10	5.281	552	554	556	rBV2	173	168	0.01%	0.005%
11	5.440	572	580	591	rVB5	1411	4978	0.26%	0.137%
12	5.946	655	663	671	rVB5	1639	4644	0.24%	0.128%
13	6.000	671	672	675	rBV2	171	207	0.01%	0.006%
14	6.061	677	682	683	rBV	190	249	0.01%	0.007%
15	6.159	696	698	701	rVB	129	146	0.01%	0.004%
16	6.988	821	834	842	rBV3	5805	16901	0.89%	0.466%
17	7.086	842	850	853	rBV2	5574	13951	0.73%	0.384%
18	7.531	919	923	924	rBV	159	183	0.01%	0.005%
19	7.653	933	943	953	rBV	40737	100362	5.28%	2.766%
20	7.860	972	977	980	rBV	86	184	0.01%	0.005%
21	7.957	980	993	1001	rBV4	6905	18540	0.98%	0.511%
22	8.031	1001	1005	1013	rVB4	781	1641	0.09%	0.045%
23	8.159	1021	1026	1032	rBV3	981	1942	0.10%	0.054%
24	8.274	1032	1045	1060	rBV5	70849	258953	13.63%	7.136%
25	8.500	1078	1082	1088	rVV5	1473	2997	0.16%	0.083%
26	8.573	1090	1094	1106	rVB4	3216	7385	0.39%	0.204%
27	8.701	1109	1115	1119	rVB3	1204	1941	0.10%	0.053%
28	8.841	1130	1138	1147	rVB	61422	119833	6.31%	3.302%
29	8.957	1154	1157	1160	rBV	153	188	0.01%	0.005%
30	9.091	1170	1179	1194	rVV	987791	1899616	100.00%	52.346%
31	9.274	1201	1209	1214	rBV2	48741	100331	5.28%	2.765%
32	9.335	1215	1219	1226	rVB2	24828	48723	2.56%	1.343%
33	9.518	1244	1249	1255	rBV3	1523	2597	0.14%	0.072%
34	9.609	1258	1264	1271	rBV2	1283	2370	0.12%	0.065%
35	9.744	1282	1286	1292	rVB3	1176	1925	0.10%	0.053%
36	9.896	1307	1311	1314	rBV3	567	884	0.05%	0.024%

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ClientSampleId :
EW9E9

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\SFAMWLM111521SMA.M
Title : SFAM01.0

37	9.957	1314	1321	1327	rBV4	1430	2782	0.15%	0.077%
38	10.036	1328	1334	1340	rVV2	13156	23067	1.21%	0.636%
39	10.085	1340	1342	1348	rVB2	995	1805	0.10%	0.050%
40	10.207	1358	1362	1365	rBV	344	595	0.03%	0.016%
41	10.323	1374	1381	1386	rBV	61372	108693	5.72%	2.995%
42	10.390	1386	1392	1399	rVB	62020	113919	6.00%	3.139%
43	10.506	1404	1411	1417	rVB4	3613	7569	0.40%	0.209%
44	10.579	1417	1423	1429	rBV2	5506	9657	0.51%	0.266%
45	10.664	1431	1437	1439	rBV2	3745	6190	0.33%	0.171%
46	10.701	1439	1443	1448	rVV2	12272	20484	1.08%	0.564%
47	10.762	1449	1453	1464	rVB6	4247	9225	0.49%	0.254%
48	10.859	1464	1469	1474	rBV4	3723	7056	0.37%	0.194%
49	10.926	1474	1480	1489	rBB	14044	24831	1.31%	0.684%
50	10.993	1489	1491	1494	rVB	283	179	0.01%	0.005%
51	11.060	1494	1502	1506	rBV	5773	9900	0.52%	0.273%
52	11.176	1512	1521	1525	rVB2	4686	10166	0.54%	0.280%
53	11.225	1525	1529	1535	rVB3	2659	4793	0.25%	0.132%
54	11.280	1535	1538	1542	rVB3	623	913	0.05%	0.025%
55	11.335	1542	1547	1551	rBV3	1443	1846	0.10%	0.051%
56	11.438	1551	1564	1572	rVB	14232	26112	1.37%	0.720%
57	11.512	1572	1576	1581	rVB2	609	617	0.03%	0.017%
58	11.627	1588	1595	1603	rVB	32047	55486	2.92%	1.529%
59	11.731	1603	1612	1621	rBV	10960	20118	1.06%	0.554%
60	11.835	1621	1629	1639	rBV	38195	70261	3.70%	1.936%
61	12.030	1656	1661	1665	rBB	133	255	0.01%	0.007%
62	12.164	1673	1683	1692	rVB	29702	49627	2.61%	1.368%
63	12.231	1692	1694	1695	rBV	202	149	0.01%	0.004%
64	12.298	1702	1705	1708	rBV2	697	850	0.04%	0.023%
65	12.341	1708	1712	1717	rVV4	1316	2579	0.14%	0.071%
66	12.377	1717	1718	1722	rVV2	729	833	0.04%	0.023%
67	12.420	1722	1725	1727	rVV2	309	381	0.02%	0.010%
68	12.463	1727	1732	1738	rVB2	3752	5706	0.30%	0.157%
69	12.603	1749	1755	1763	rVB	45465	71081	3.74%	1.959%
70	12.694	1763	1770	1777	rBV	19553	32376	1.70%	0.892%
71	12.749	1777	1779	1781	rBV	274	236	0.01%	0.007%
72	12.804	1781	1788	1793	rBV2	2599	4041	0.21%	0.111%
73	12.865	1793	1798	1802	rBV3	2584	4661	0.25%	0.128%
74	12.932	1806	1809	1819	rVB4	2635	4678	0.25%	0.129%
75	13.103	1830	1837	1843	rVB	2243	3549	0.19%	0.098%
76	13.188	1843	1851	1856	rVB3	576	1437	0.08%	0.040%

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ClientSampleId :
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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
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Title : SFAM01.0

77	13.249	1856	1861	1865	rBV	6199	9727	0.51%	0.268%
78	13.292	1865	1868	1876	rVB	6407	9029	0.48%	0.249%
79	13.554	1906	1911	1924	rBV3	8631	17982	0.95%	0.496%
80	13.700	1932	1935	1939	rBV	152	278	0.01%	0.008%
81	13.755	1939	1944	1947	rBV3	921	1442	0.08%	0.040%
82	13.853	1954	1960	1966	rBV	7609	13485	0.71%	0.372%
83	13.956	1972	1977	1982	rVB4	700	1277	0.07%	0.035%
84	14.017	1984	1987	1989	rVV2	589	621	0.03%	0.017%
85	14.066	1989	1995	2004	rVB	13339	21895	1.15%	0.603%
86	14.194	2013	2016	2023	rVB3	605	836	0.04%	0.023%
87	14.304	2030	2034	2035	rBV2	609	545	0.03%	0.015%
88	14.322	2035	2037	2039	rBV2	205	151	0.01%	0.004%
89	14.407	2046	2051	2055	rBV3	420	896	0.05%	0.025%
90	14.511	2064	2068	2069	rBV2	302	495	0.03%	0.014%
91	14.724	2098	2103	2107	rVB2	1953	2655	0.14%	0.073%
92	14.798	2109	2115	2116	rBV3	292	452	0.02%	0.012%
93	14.932	2135	2137	2139	rBV2	214	196	0.01%	0.005%
94	15.127	2166	2169	2172	rBV	143	166	0.01%	0.005%
95	15.291	2192	2196	2198	rBV	136	177	0.01%	0.005%
96	15.365	2204	2208	2210	rBV2	1364	1652	0.09%	0.046%
97	15.432	2213	2219	2223	rBV2	7310	11148	0.59%	0.307%
98	15.486	2224	2228	2234	rVB	3644	6207	0.33%	0.171%
99	15.633	2247	2252	2253	rBV	645	918	0.05%	0.025%
100	16.438	2379	2384	2388	rBV3	572	1068	0.06%	0.029%

Sum of corrected areas: 3628991

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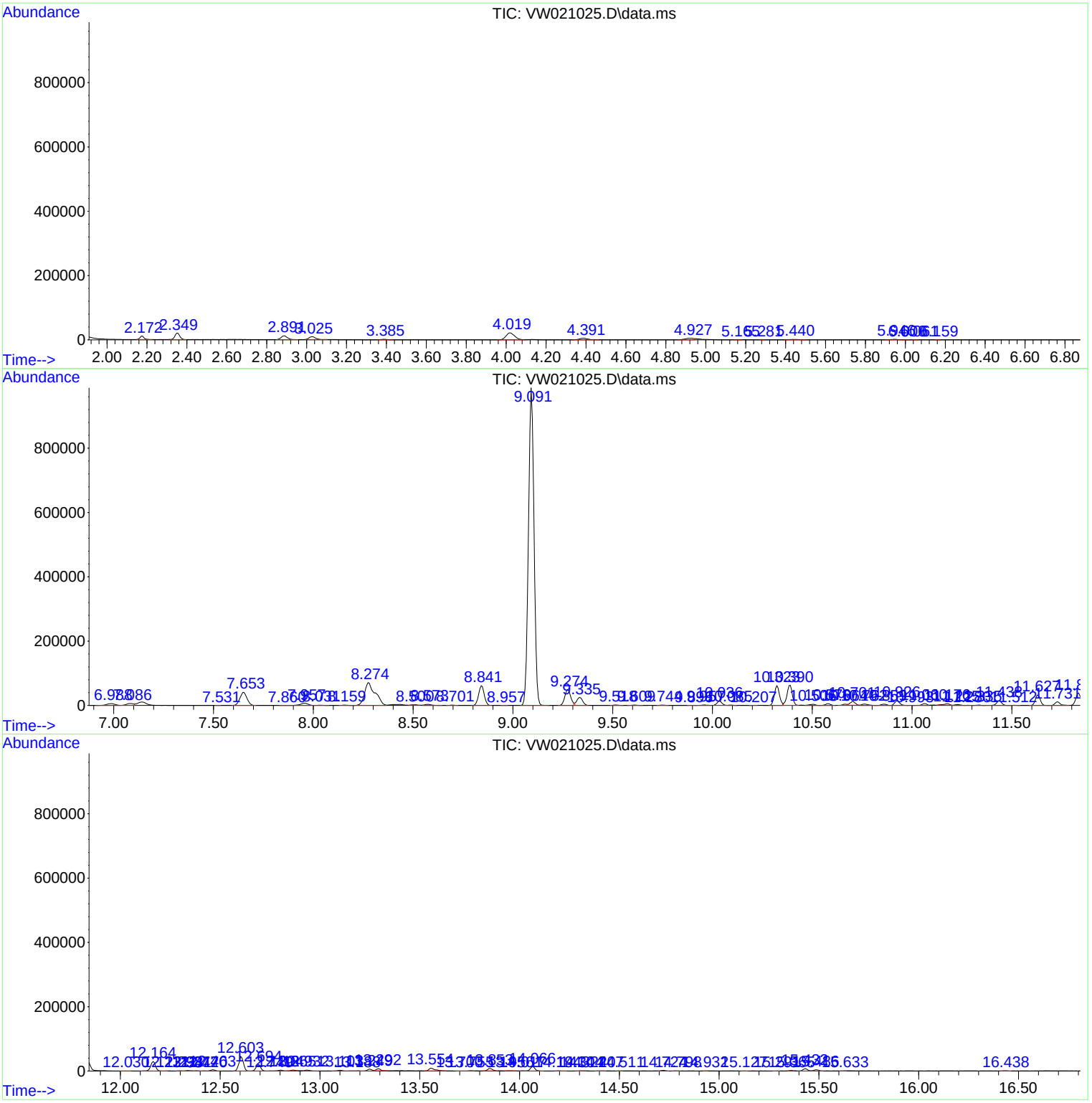
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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



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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

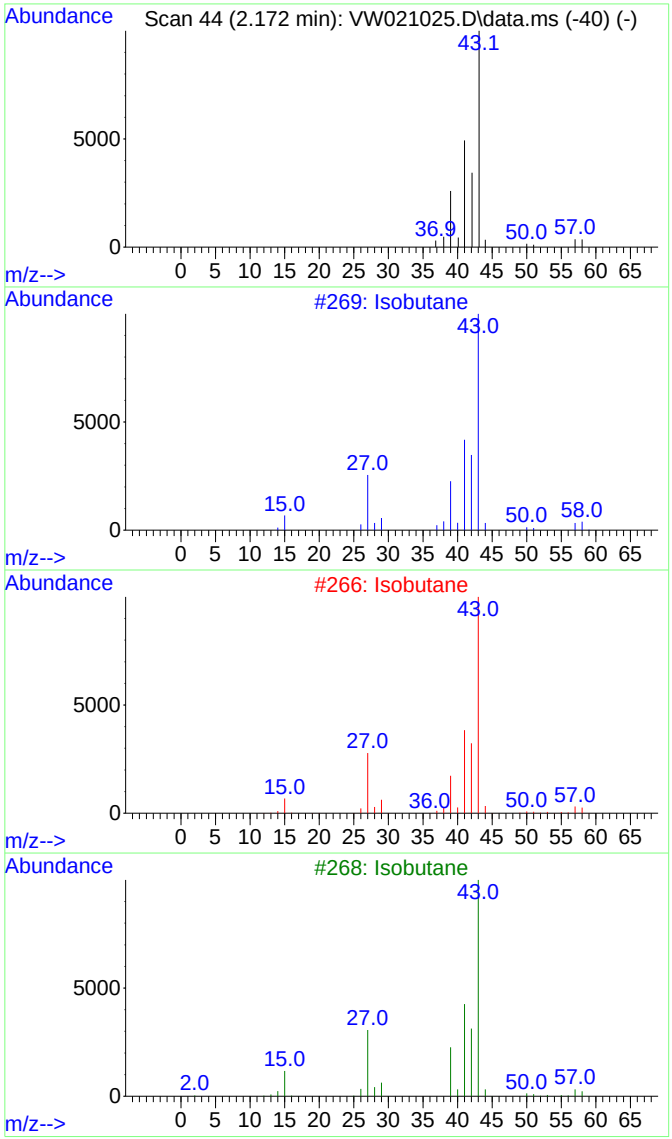
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

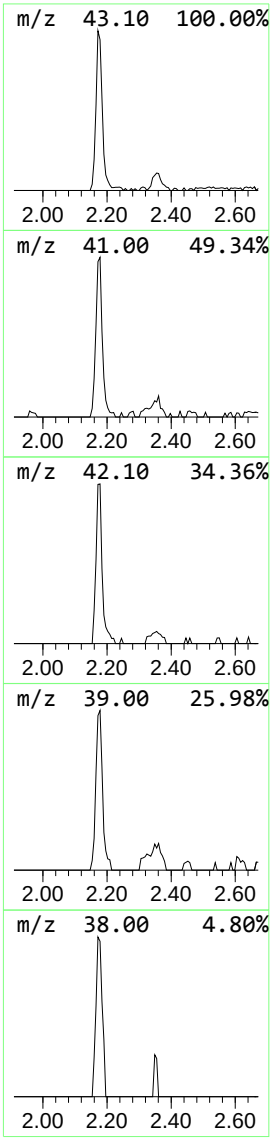
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.172	3.21 ug/L	15409	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	78
2	Isobutane	58	C4H10	000075-28-5	78
3	Isobutane	58	C4H10	000075-28-5	78
4	Isobutane	58	C4H10	000075-28-5	64
5	Isobutane	58	C4H10	000075-28-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

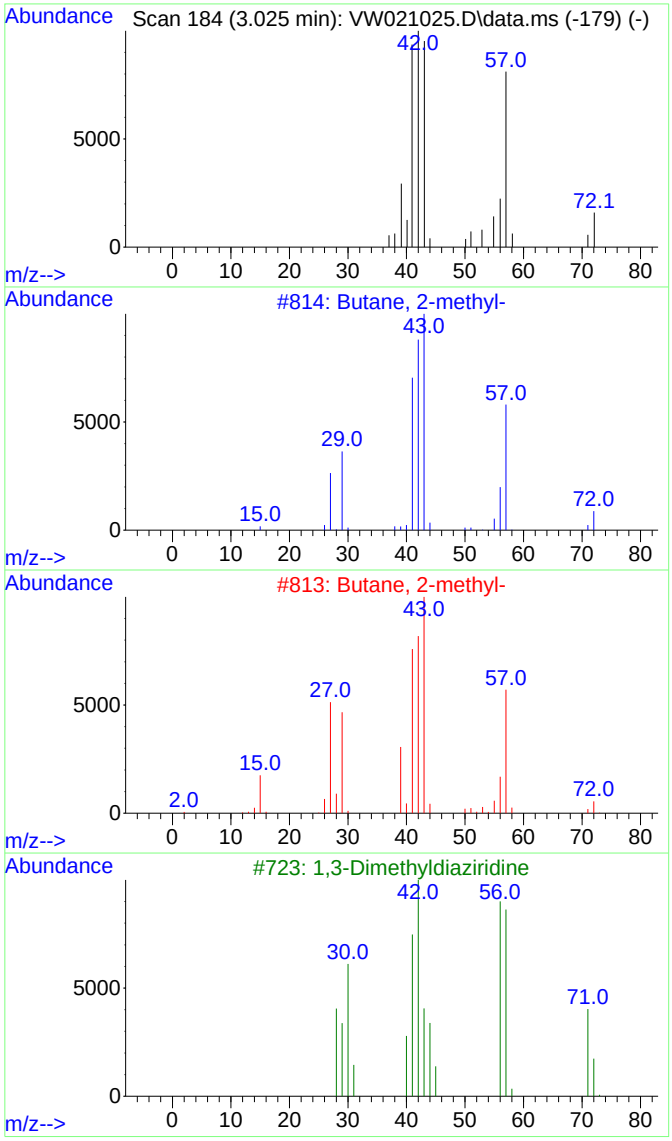
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

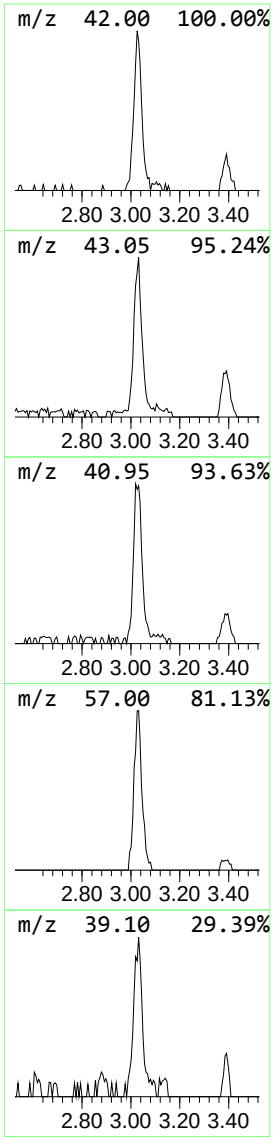
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.025	4.22 ug/L	20210	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	53
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	36
5	Pentane	72	C5H12	000109-66-0	33





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Instrument :
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ClientSampleId :
EW9E9

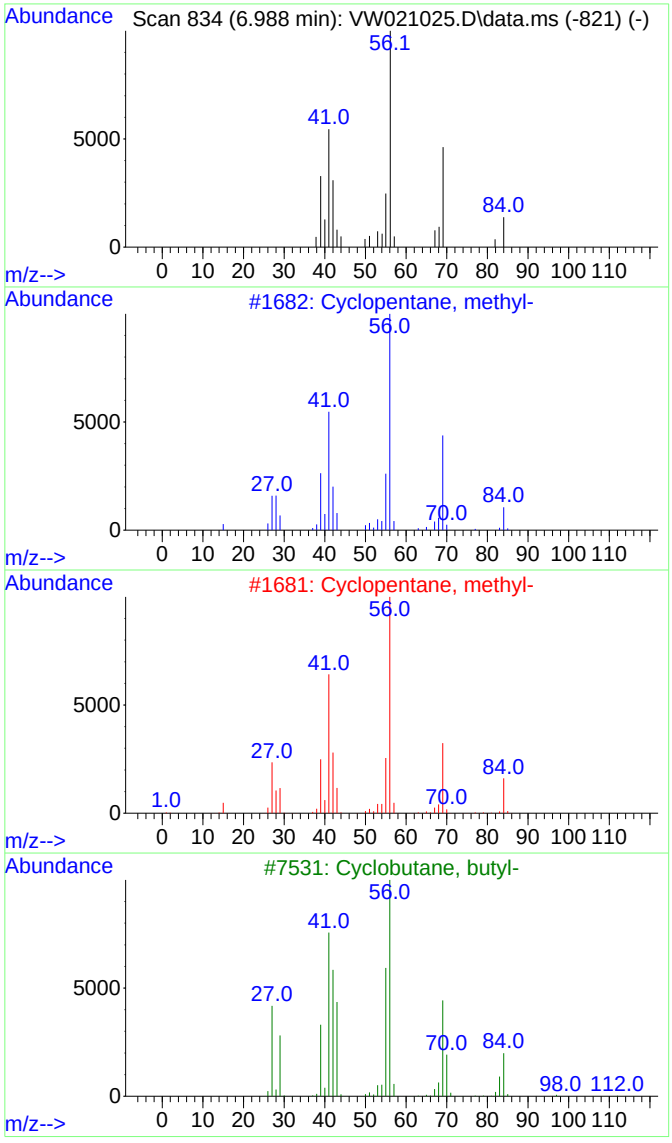
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

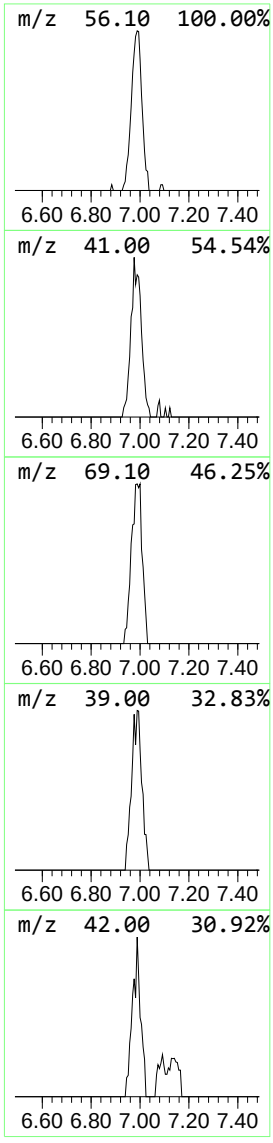
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic6.988 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	3.53 ug/L	16901	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclobutane, butyl-	112	C8H16	013152-44-8	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	64





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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

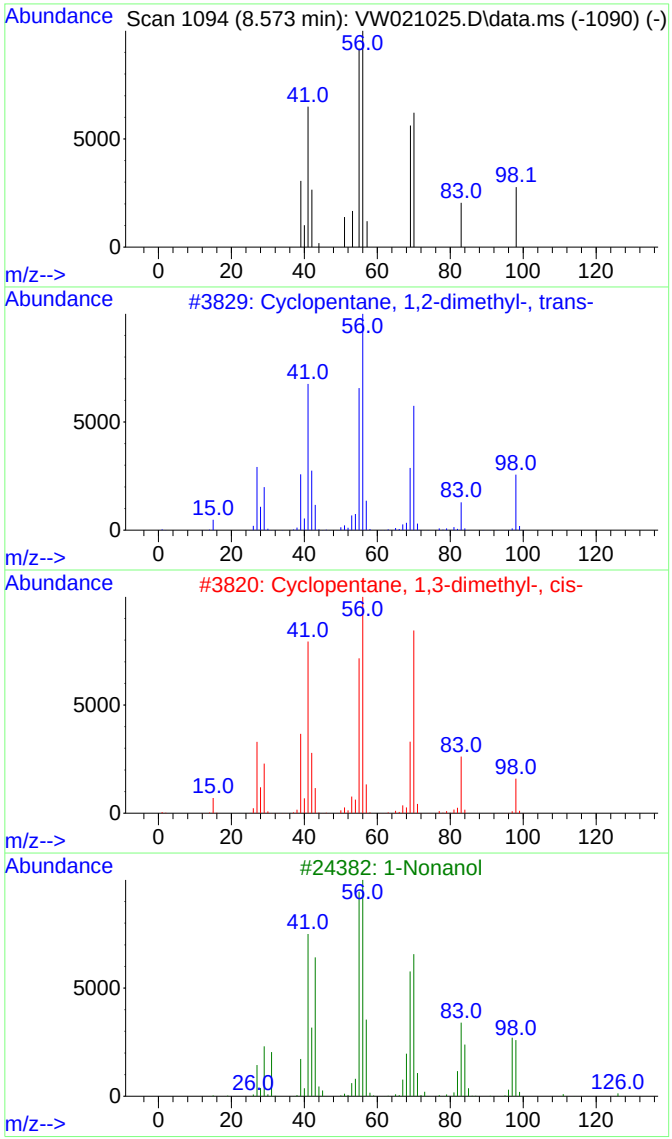
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

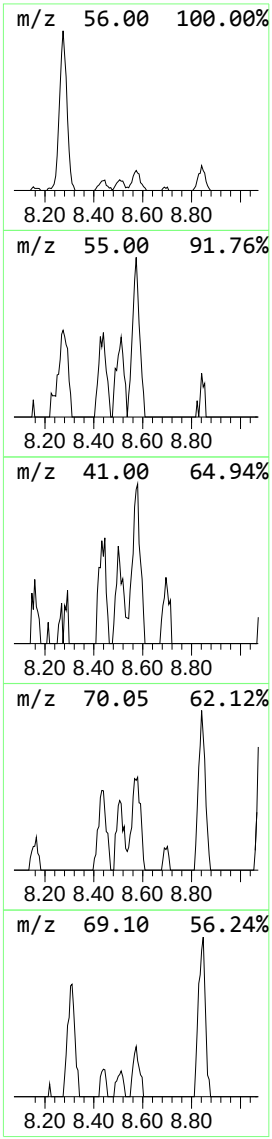
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic8.573 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	1.54 ug/L	7385	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	1-Nonanol	144	C9H20O	000143-08-8	72
4	(Z)-2-Heptene	98	C7H14	006443-92-1	72
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64





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Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

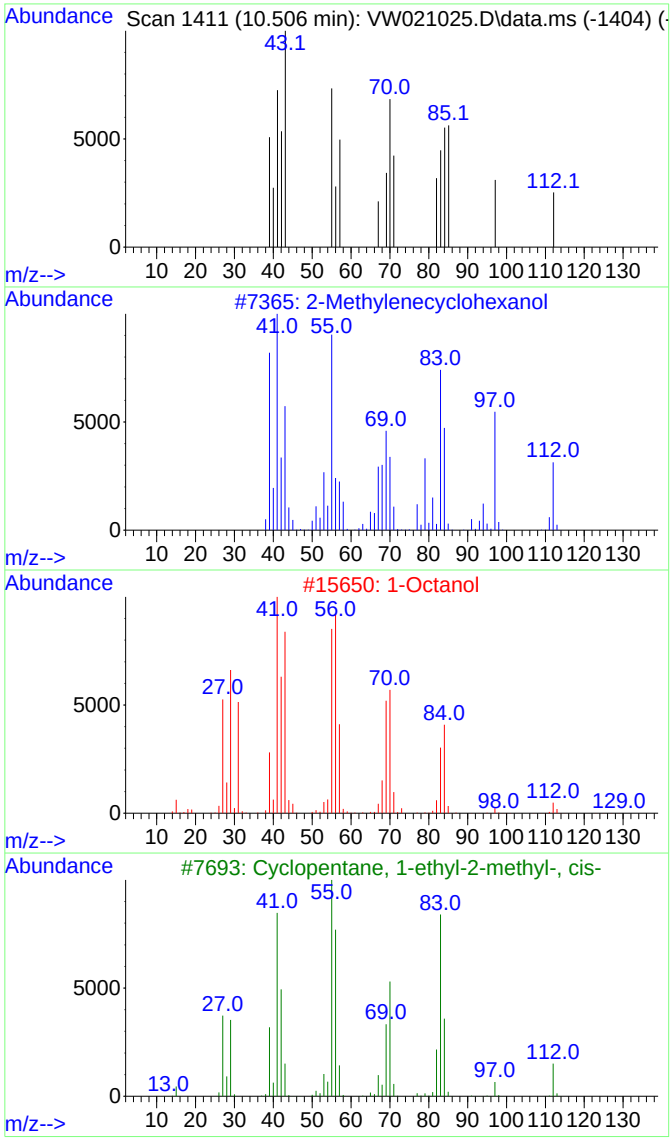
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

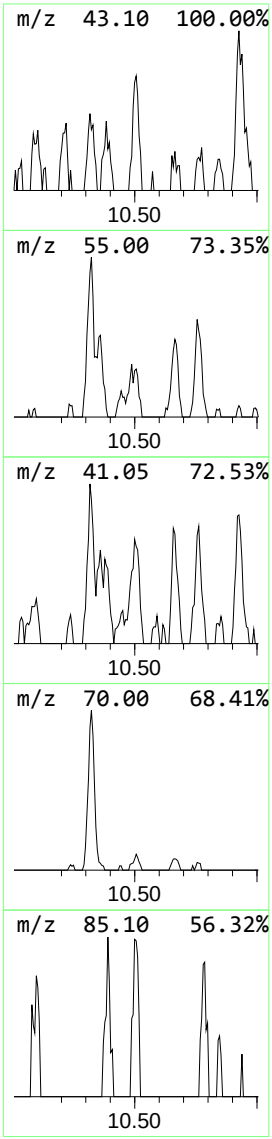
****

Peak Number 6 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	3.41 ug/L	7569	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylenecyclohexanol	112	C7H12O	004065-80-9	45
2	1-Octanol	130	C8H18O	000111-87-5	43
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	38
5	1,2-Dimethyl-3-ethyldiaziridine	100	C5H12N2	211568-96-6	38





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

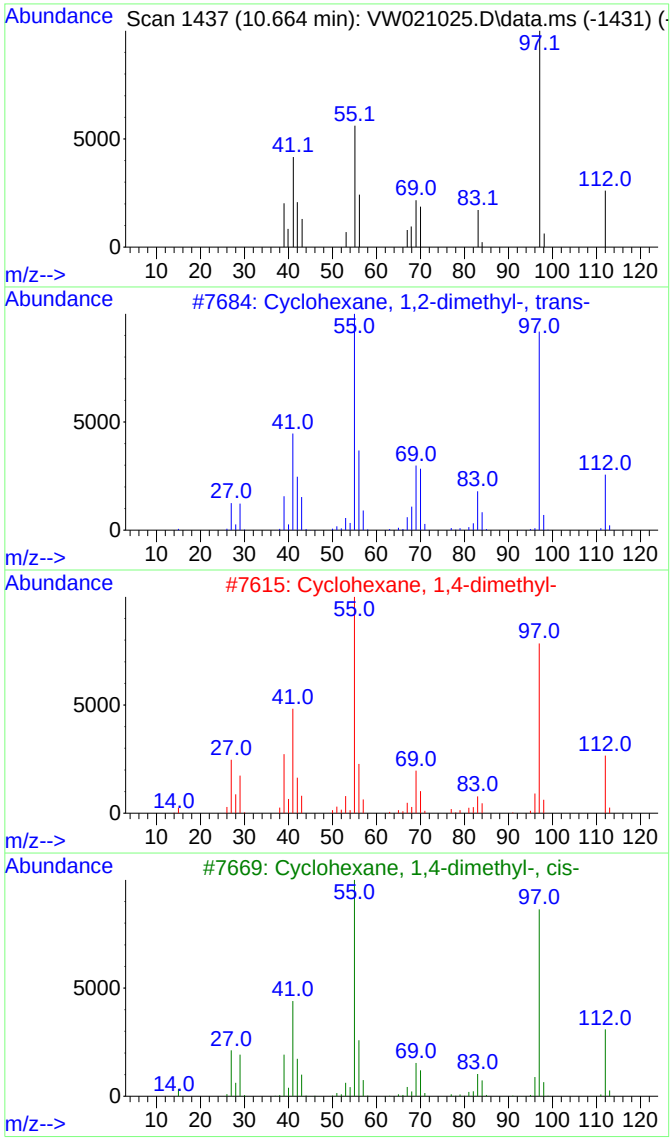
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

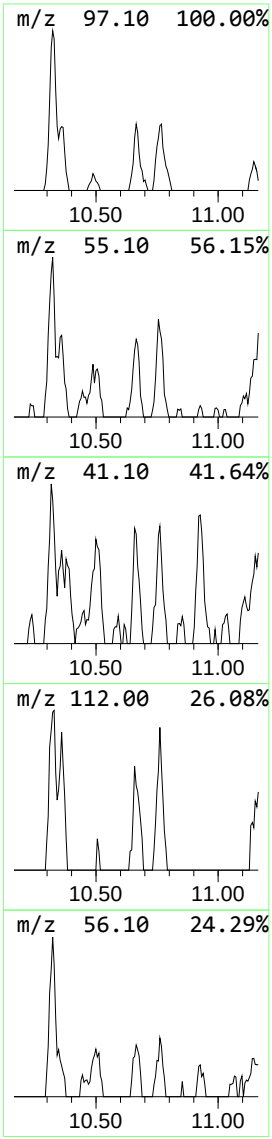
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic10.664 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	2.79 ug/L	6190	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	86
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

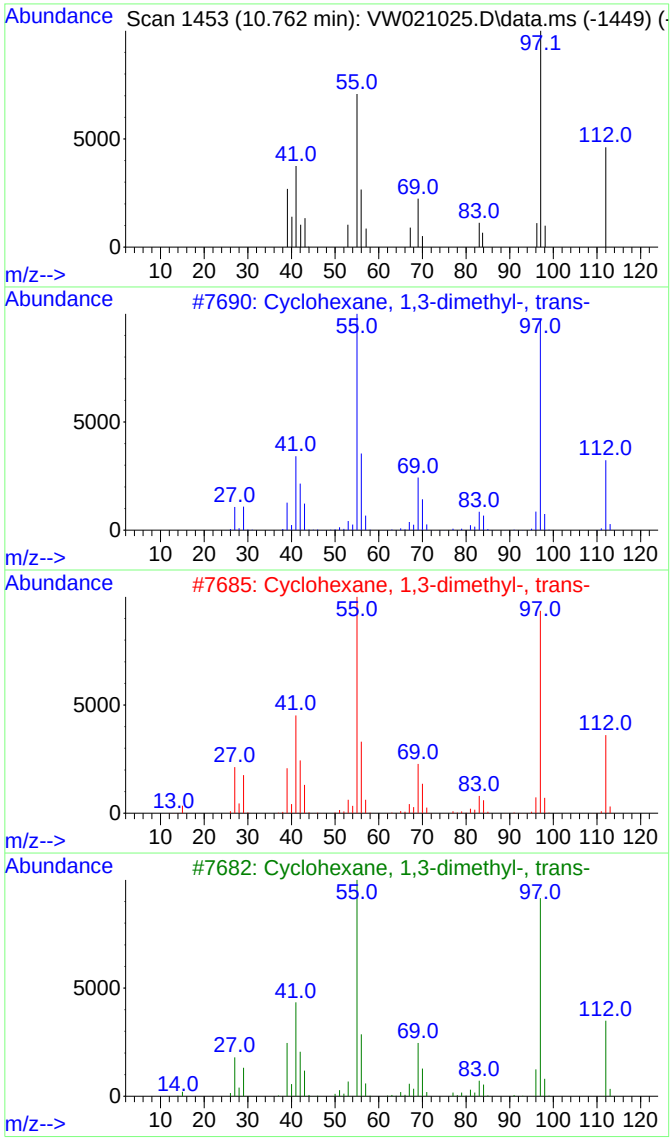
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

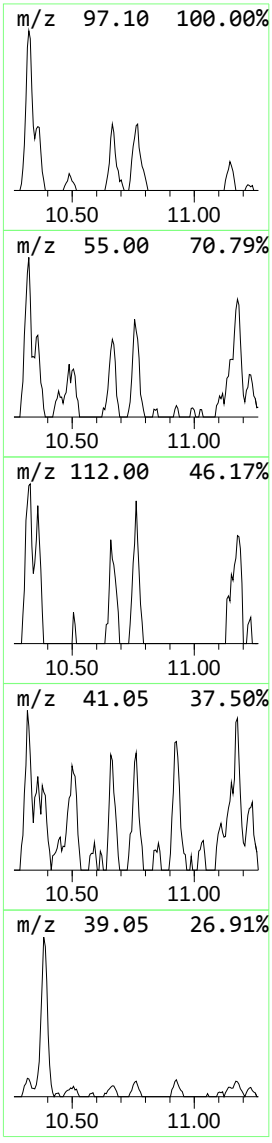
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic10.762 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	4.16 ug/L	9225	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	86
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	86





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

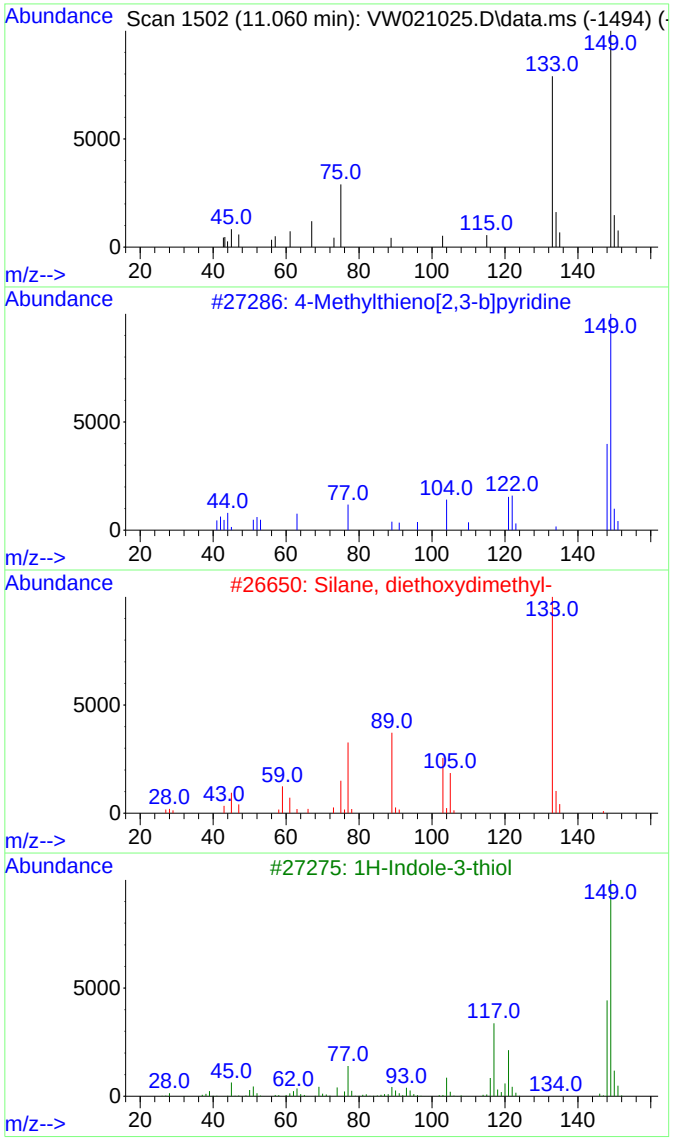
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

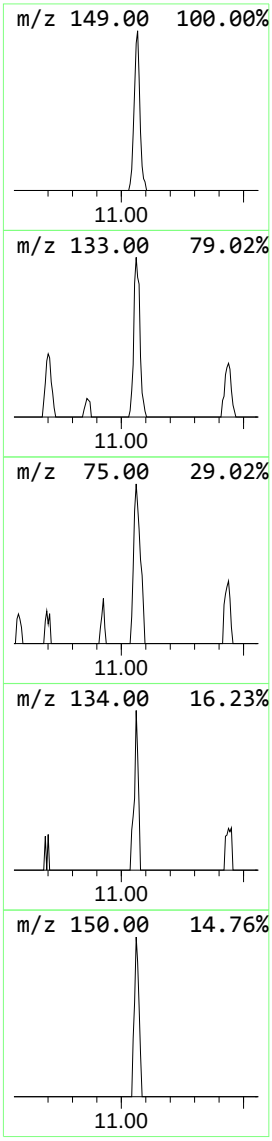
****

Peak Number 10 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.060	4.46 ug/L	9900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylthieno[2,3-b]pyridine	149	C8H7NS	013362-81-7	25
2	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	25
3	1H-Indole-3-thiol	149	C8H7NS	000480-94-4	25
4	4-Ethylbenzoic acid, 2-ethylhexy...	262	C17H26O2	1000293-49-9	17
5	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

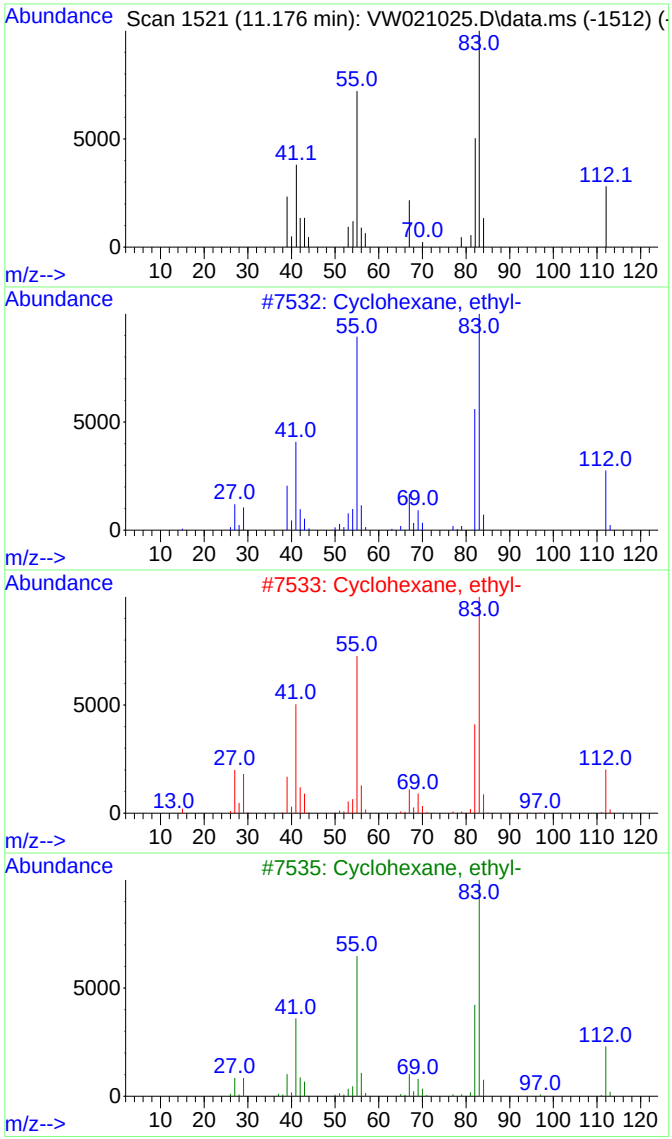
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

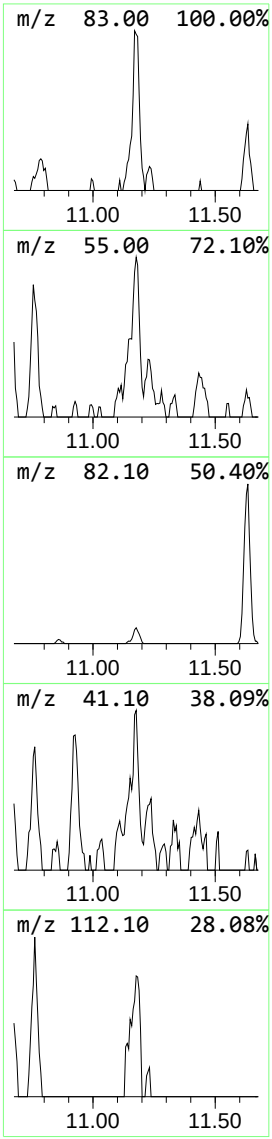
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic11.176 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	4.58 ug/L	10166	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





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Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

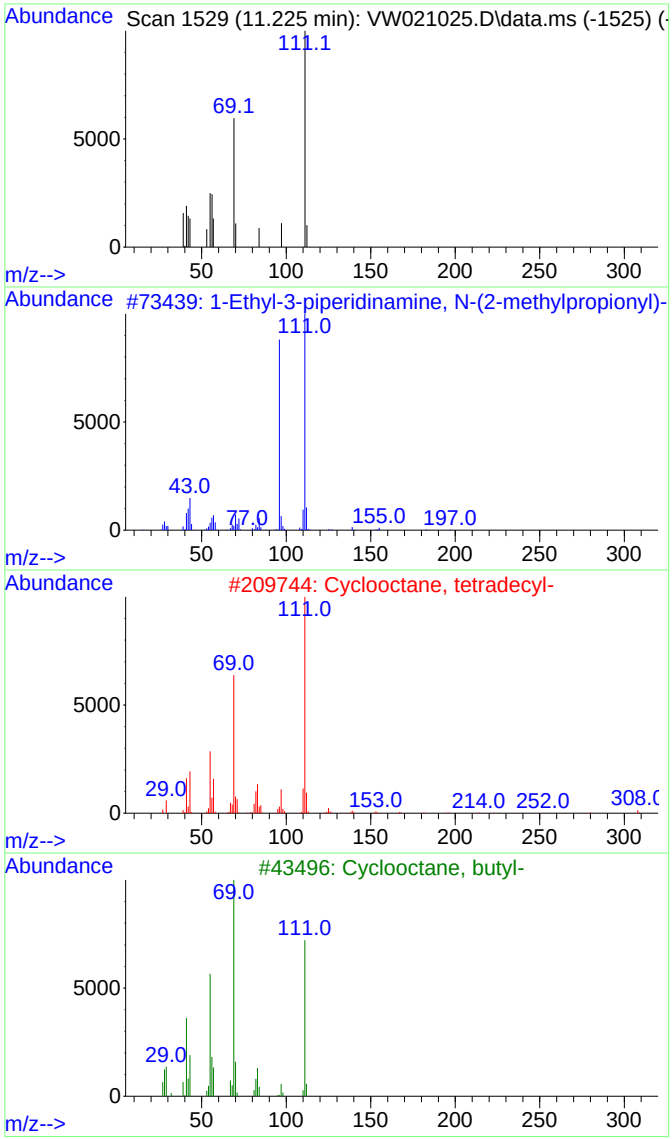
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

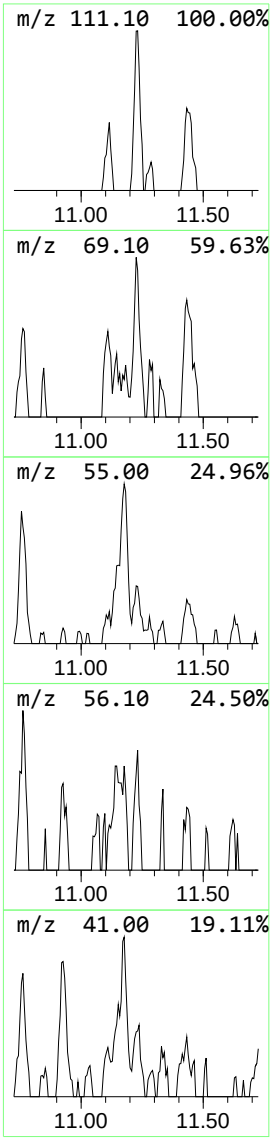
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1-Ethyl-3-piperidinamine, N... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	2.16 ug/L	4793	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-piperidinamine, N-(2-m...	198	C11H22N2O	1344346-84-4	64
2	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	59
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	50
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5	2,4-Diamino-1,3,5-triazine	111	C3H5N5	000504-08-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

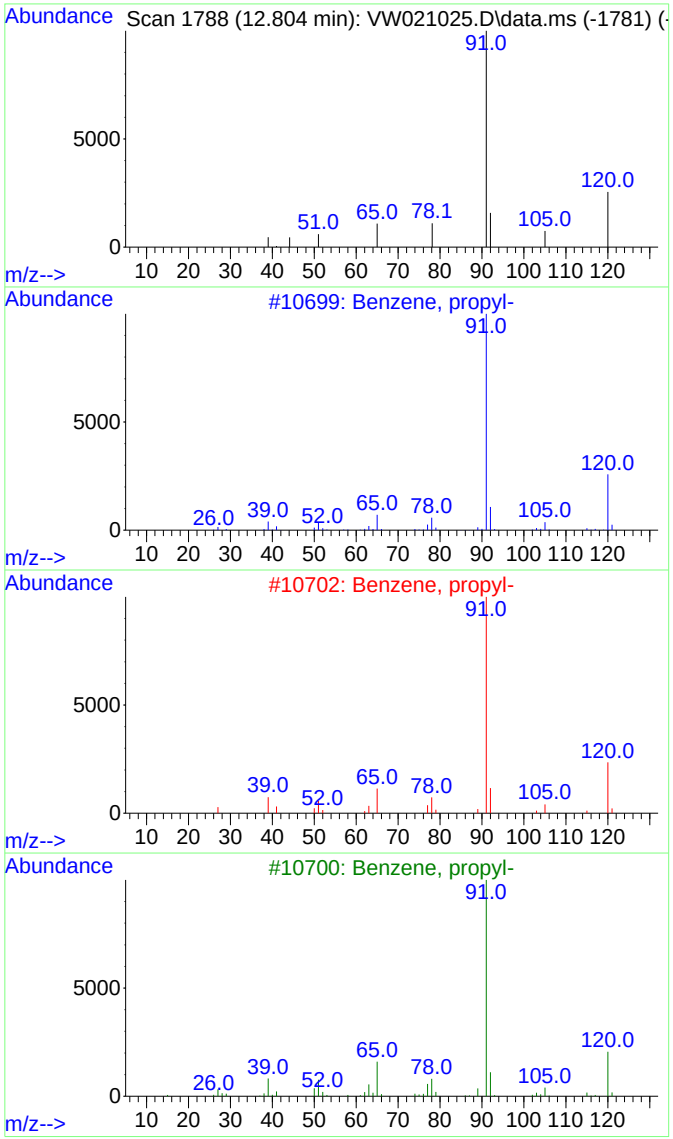
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

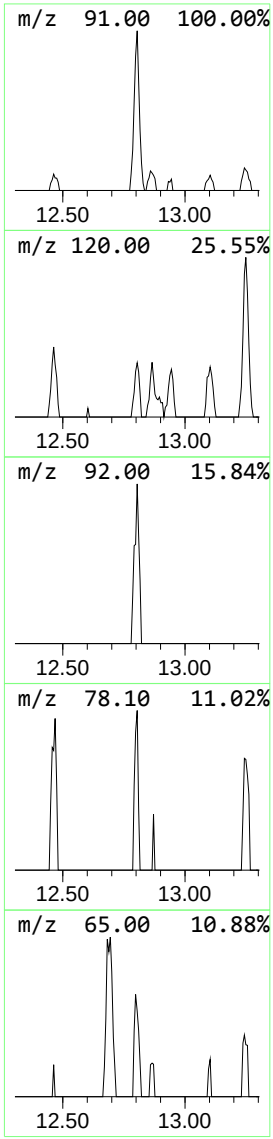
****

Peak Number 15 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	5.62 ug/L	4041	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	Benzene, propyl-	120	C9H12	000103-65-1	53
5	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

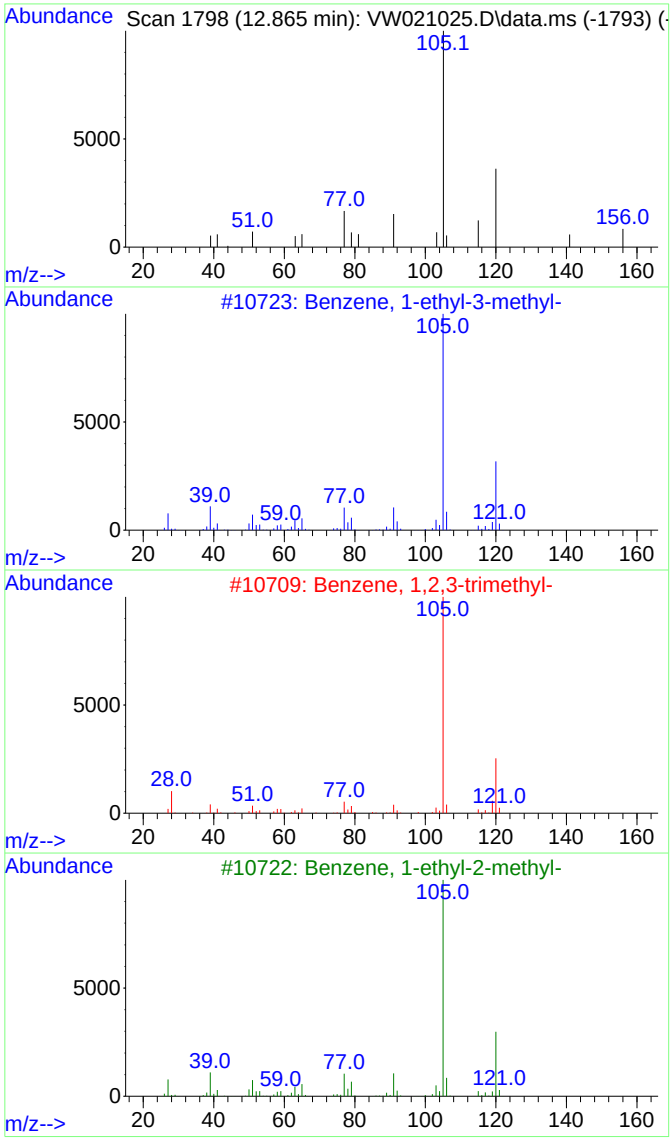
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

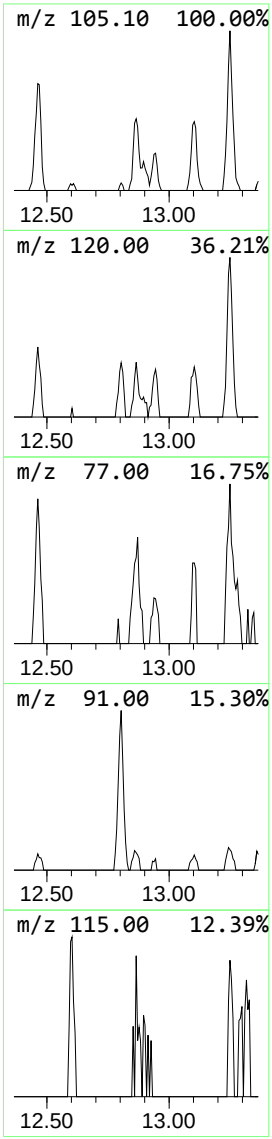
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	6.48 ug/L	4661	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	50
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

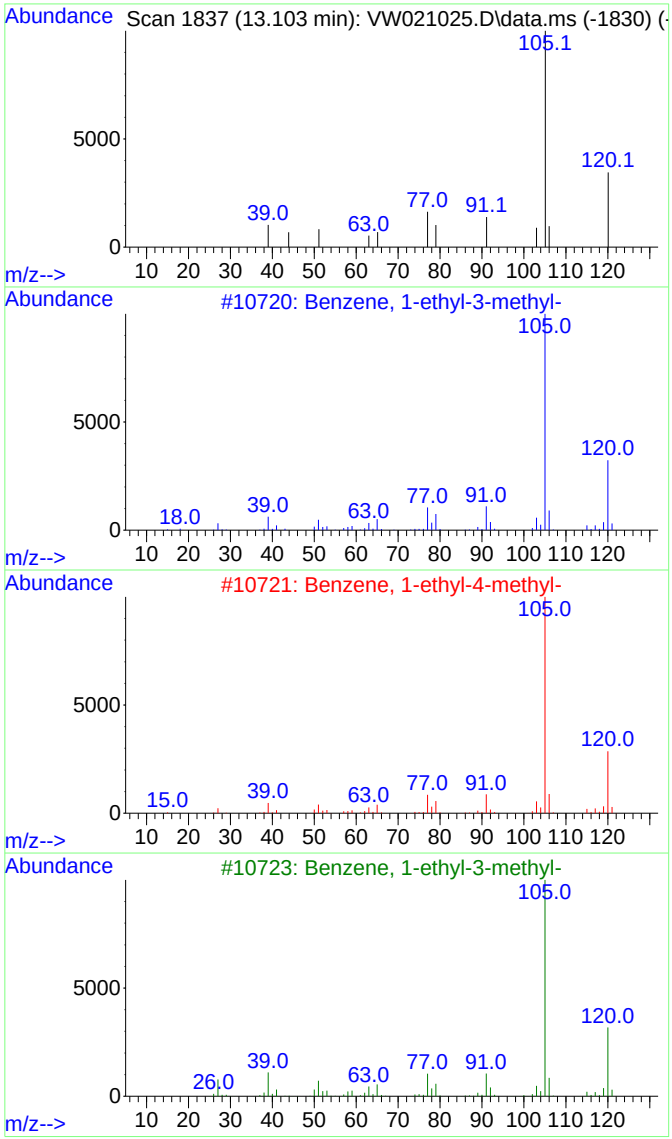
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

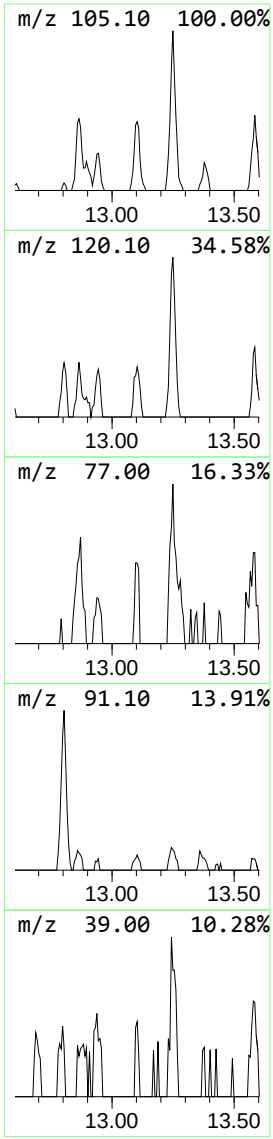
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	4.93 ug/L	3549	1,4-Dichlorobenzene-d4	13.554

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





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

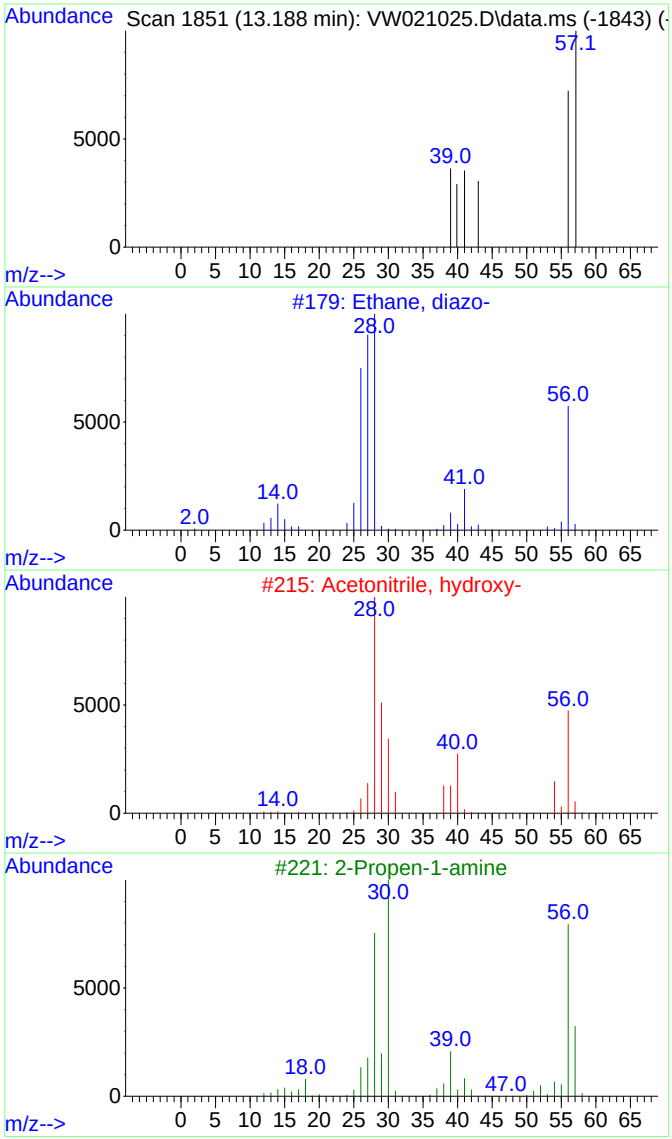
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

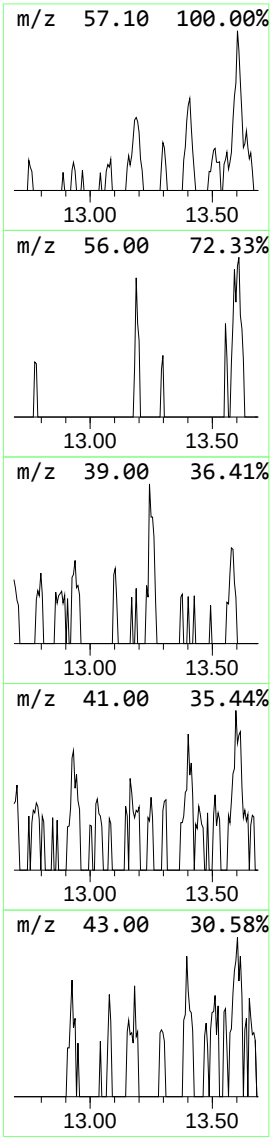
****

Peak Number 18 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.188	2.00 ug/L	1437	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, diazo-	56	C2H4N2	001117-96-0	3
2	Acetonitrile, hydroxy-	57	C2H3NO	000107-16-4	3
3	2-Propen-1-amine	57	C3H7N	000107-11-9	2
4	1-Butanol	74	C4H10O	000071-36-3	2
5	1-Butanol	74	C4H10O	000071-36-3	2





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

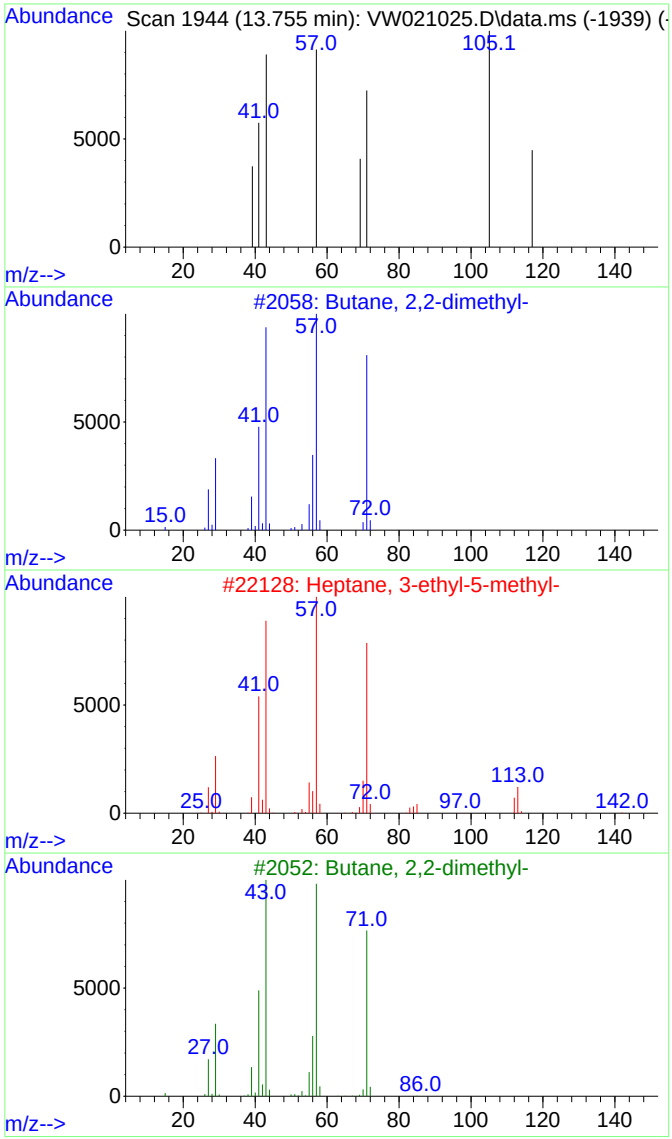
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

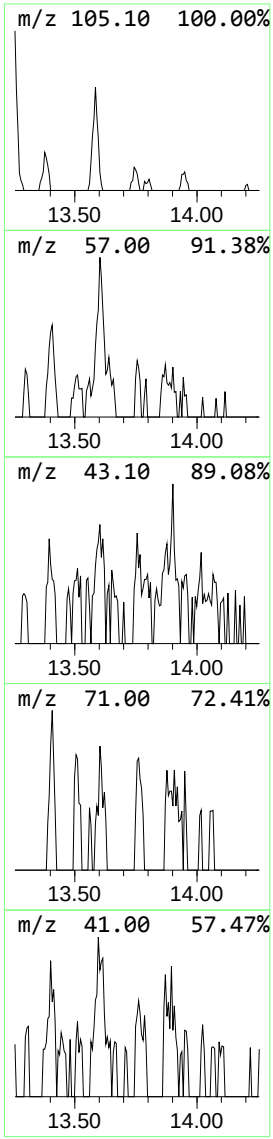
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	2.00 ug/L	1442	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	9
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	9
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	9
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	9
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	9





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Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

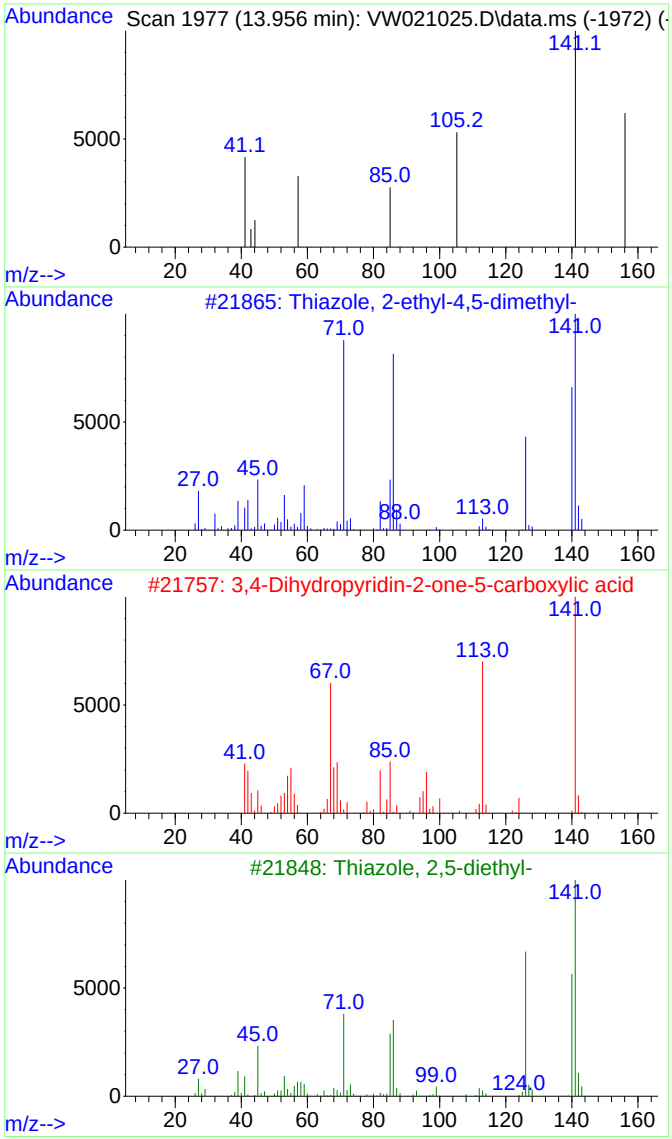
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

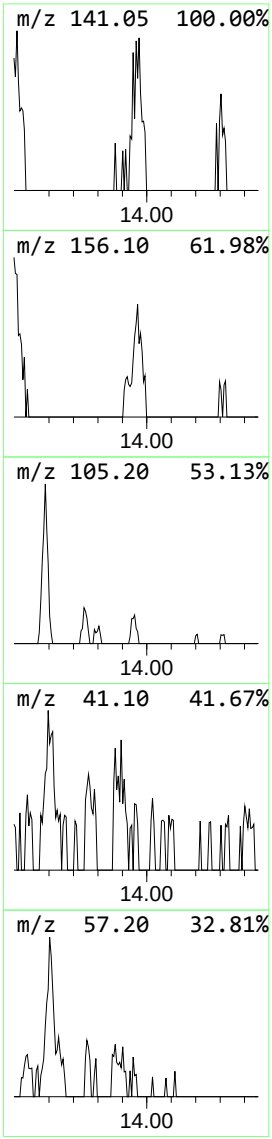
****

Peak Number 20 unknown-04 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.956	1.78 ug/L	1277	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 2-ethyl-4,5-dimethyl-	141	C7H11NS	000873-64-3	5
2	3,4-Dihydropyridin-2-one-5-carbo...	141	C6H7NO3	005155-13-5	5
3	Thiazole, 2,5-diethyl-	141	C7H11NS	015729-76-7	5
4	Cyclohexanecarboxamide, 2-oxo-	141	C7H11NO2	022945-27-3	5
5	Thiazole, 2,4-diethyl-	141	C7H11NS	032272-49-4	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

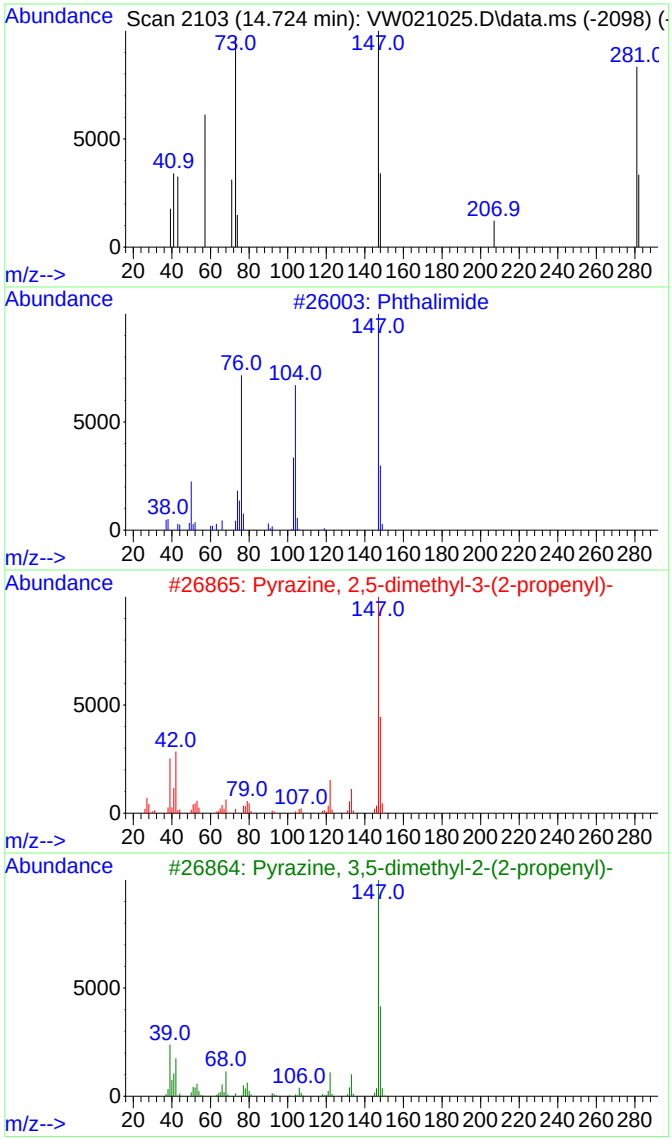
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

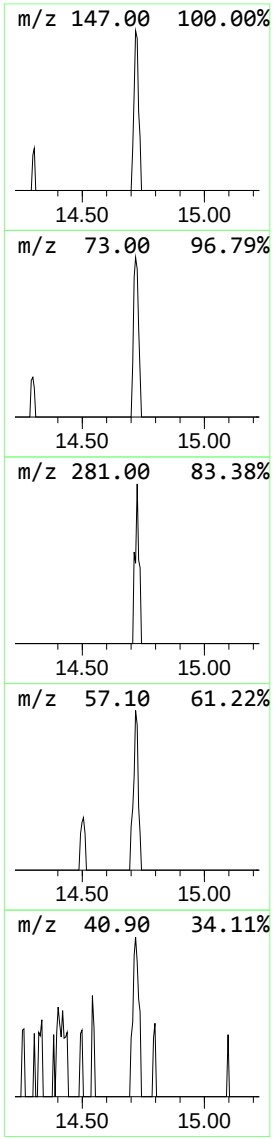
****

Peak Number 22 unknown-05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.724	3.69 ug/L	2655	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalimide	147	C8H5NO2	000085-41-6	9
2	Pyrazine, 2,5-dimethyl-3-(2-prop...	148	C9H12N2	055138-69-7	5
3	Pyrazine, 3,5-dimethyl-2-(2-prop...	148	C9H12N2	055138-70-0	5
4	Ethyl 3-amino-4-(1,3-benzodiazol...	281	C16H15N3O2	1000444-00-5	5
5	Phenyl propargyl sulfide	148	C9H8S	005651-88-7	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

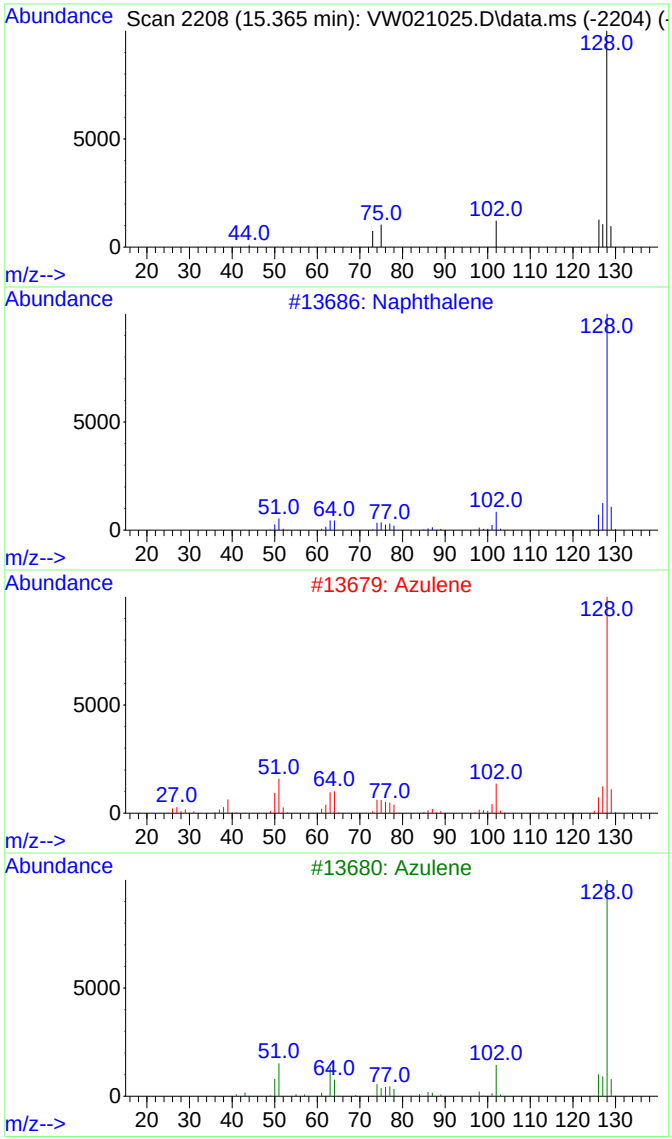
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

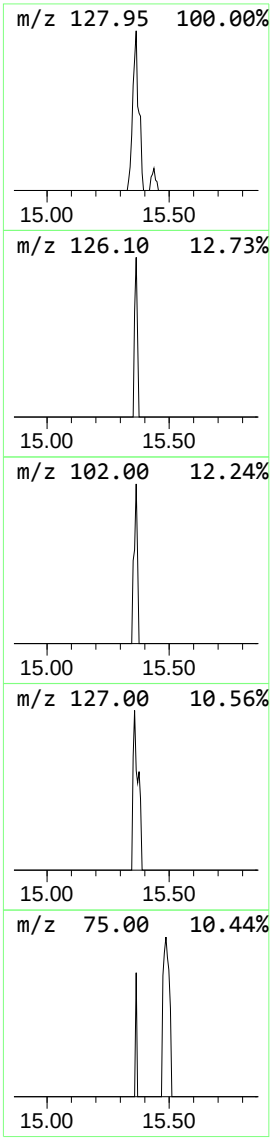
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Azulene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	2.30 ug/L	1652	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	90
2	Azulene	128	C10H8	000275-51-4	83
3	Azulene	128	C10H8	000275-51-4	83
4	Naphthalene	128	C10H8	000091-20-3	78
5	Azulene	128	C10H8	000275-51-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

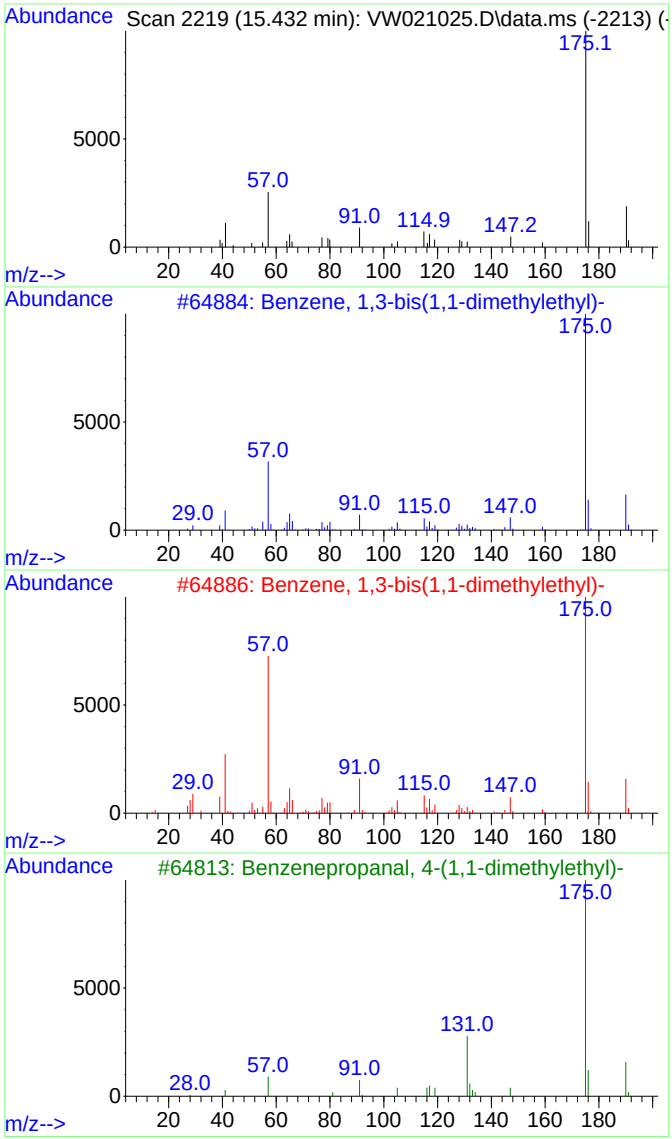
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

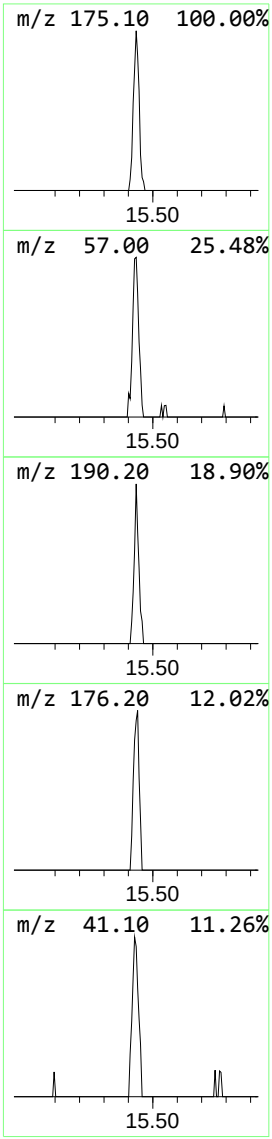
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.432	15.50 ug/L	11148	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	91
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	91
3	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	86
4	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	83
5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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

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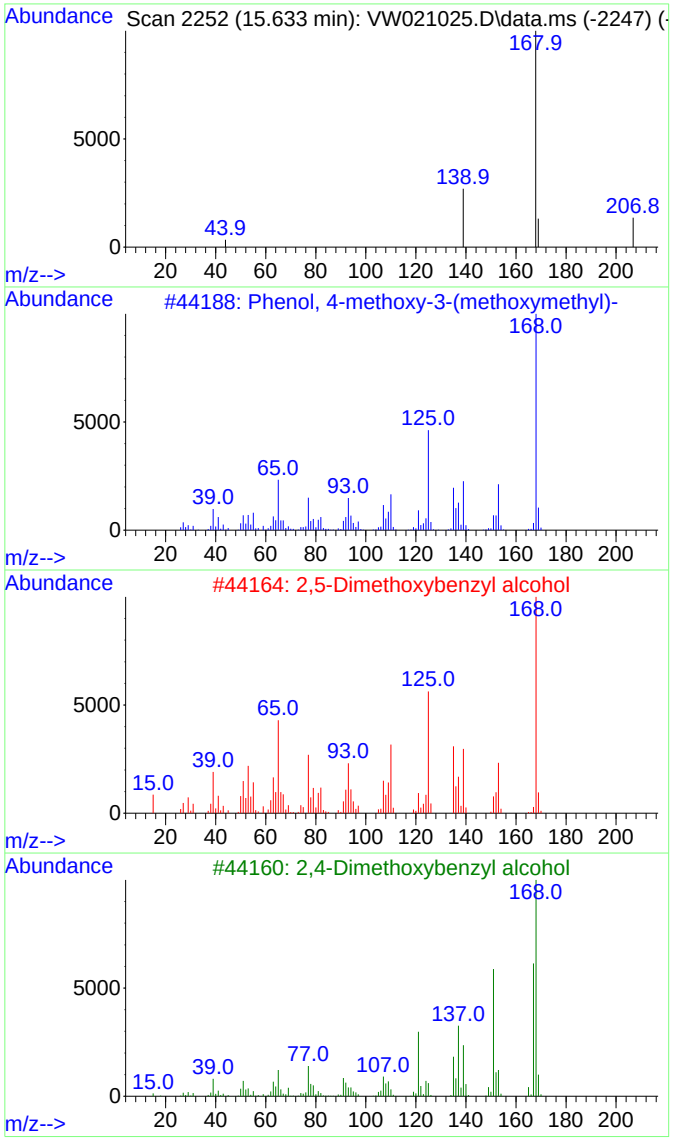
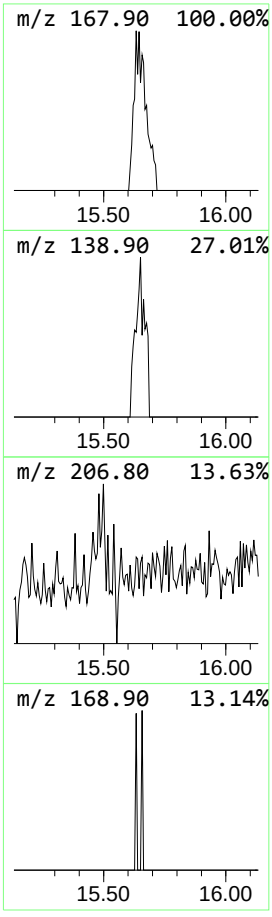
Peak Number 26 unknown-06 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.633	1.28 ug/L	918	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methoxy-3-(methoxymeth...	168	C9H12O3	059907-65-2	9
2	2,5-Dimethoxybenzyl alcohol	168	C9H12O3	033524-31-1	9
3	2,4-Dimethoxybenzyl alcohol	168	C9H12O3	007314-44-5	9
4	Benzenemethanol, 3,4-dimethoxy-	168	C9H12O3	000093-03-8	9
5	Thiazolo[3,2-a]pyrimidin-5-one, ...	168	C7H8N2OS	1000310-02-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

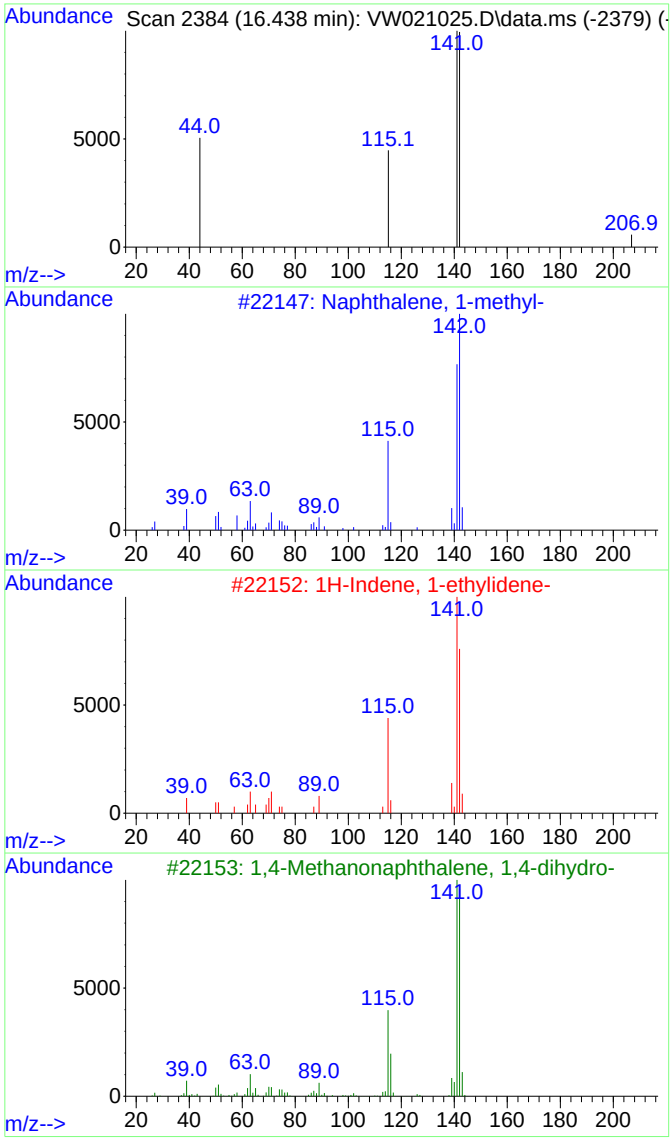
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

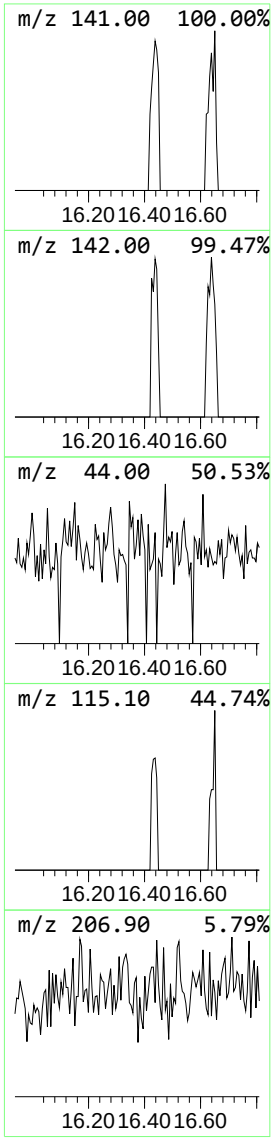
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	1.48 ug/L	1068	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	74
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	74
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	74
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	9
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021025.D
Acq On : 02 Dec 2021 05:28
Operator : SY/VA
Sample : M4881-13
Misc : 3.02g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.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...	2.172	3.2	ug/L	15409	1	8.841	119833	25.0
(DEL) Alkane: S...	3.025	4.2	ug/L	20210	1	8.841	119833	25.0
(DEL) Alkane: C...	6.988	3.5	ug/L	16901	1	8.841	119833	25.0
(DEL) Alkane: C...	8.573	1.5	ug/L	7385	1	8.841	119833	25.0
unknown-01	10.506	3.4	ug/L	7569	2	11.634	55486	25.0
(DEL) Alkane: C...	10.664	2.8	ug/L	6190	2	11.634	55486	25.0
(DEL) Alkane: C...	10.762	4.2	ug/L	9225	2	11.634	55486	25.0
unknown-02	11.060	4.5	ug/L	9900	2	11.634	55486	25.0
(DEL) Alkane: C...	11.176	4.6	ug/L	10166	2	11.634	55486	25.0
1-Ethyl-3-piper...	11.225	2.2	ug/L	4793	2	11.634	55486	25.0
Benzene, propyl-	12.804	5.6	ug/L	4041	3	13.554	17982	25.0
Benzene, 1-ethy...	12.865	6.5	ug/L	4661	3	13.554	17982	25.0
Benzene, 1-ethy...	13.103	4.9	ug/L	3549	3	13.554	17982	25.0
unknown-03	13.188	2.0	ug/L	1437	3	13.554	17982	25.0
(DEL) Alkane: S...	13.755	2.0	ug/L	1442	3	13.554	17982	25.0
unknown-04	13.956	1.8	ug/L	1277	3	13.554	17982	25.0
unknown-05	14.724	3.7	ug/L	2655	3	13.554	17982	25.0
Azulene	15.365	2.3	ug/L	1652	3	13.554	17982	25.0
Benzene, 1,3-bi...	15.432	15.5	ug/L	11148	3	13.554	17982	25.0
unknown-06	15.633	1.3	ug/L	918	3	13.554	17982	25.0
Naphthalene, 1-...	16.438	1.5	ug/L	1068	3	13.554	17982	25.0