LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

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_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

Signal : TIC: VU046056.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	73	81	92	rVB	96909	105378	5.81%	0.814%
2	1.700	104	112	132	rBV2	6818	14964	0.83%	0.116%
3	1.915	171	179	192	rVB	74902	95391	5.26%	0.737%
4	2.378	312	323	340	rVB	54450	82230	4.54%	0.635%
5	2.571	365	383	394	rBV	164615	283116	15.61%	2.186%
6	2.645	394	406	441	rVB	209648	525036	28.96%	4.054%
7	3.047	521	531	545	rVB2	7263	13015	0.72%	0.100%
8	3.186	565	574	577	rBV3	922	1401	0.08%	0.011%
9	3.581	688	697	712	rVB2	4018	9127	0.50%	0.070%
10	3.832	761	775	797	rVV3	15037	36729	2.03%	0.284%
11	4.452	956	968	987	rBV4	5423	14063	0.78%	0.109%
12	4.632	1009	1024	1041	rBV	83930	243556	13.43%	1.881%
13	4.809	1072	1079	1100	rVB3	3188	6977	0.38%	0.054%
14	5.066	1143	1159	1184	rVV	147405	326616	18.01%	2.522%
15	5.729	1342	1365	1395	rBV2	306993	864486	47.68%	6.675%
16	6.156	1484	1498	1512	rBV	8103	17012	0.94%	0.131%
17	6.250	1512	1527	1546	rBV	286671	540630	29.82%	4.174%
18	6.542	1606	1618	1630	rBV4	25760	51843	2.86%	0.400%
19	6.693	1651	1665	1682	rBV	197205	375001	20.68%	2.896%
20	6.777	1683	1691	1705	rVB4	3722	8060	0.44%	0.062%
21	6.883	1713	1724	1734	rBV3	6155	11563	0.64%	0.089%
22	7.182	1809	1817	1827	rBV4	2081	3696	0.20%	0.029%
23	7.568	1924	1937	1951	rBV2	108905	188020	10.37%	1.452%
24	7.687	1967	1974	1981	rVB3	1436	2203	0.12%	0.017%
25	7.793	1993	2007	2023	rBV	22862	41081	2.27%	0.317%
26	7.899	2027	2040	2054	rVV	384551	675226	37.24%	5.214%
27	7.970	2055	2062	2077	rVB	33287	59030	3.26%	0.456%
28	8.179	2115	2127	2142	rBV	75349	124201	6.85%	0.959%
29	8.552	2235	2243	2252	rBV4	3675	5198	0.29%	0.040%
30	8.632	2252	2268	2281	rBV	257135	436820	24.09%	3.373%
31	8.790	2309	2317	2330	rVB6	3096	5555	0.31%	0.043%
32	9.365	2490	2496	2500	rBV3	699	921	0.05%	0.007%
33	9.420	2500	2513	2533	rVV	402362	685592	37.81%	5.294%
34	9.571	2550	2560	2577	rBV	25477	42267	2.33%	0.326%
35	9.693	2585	2598	2612	rBV	94135	160717	8.86%	1.241%
36	9.777	2613	2624	2642	rVB	43507	69016	3.81%	0.533%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

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_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

37	9.915	2660	2667	2675	rBV3	2193	3316	0.18%	0.026%
38	10.105	2714	2726	2744	rBV5	52893	116530	6.43%	0.900%
39	10.237	2757	2767	2780	rBV2	5856	8883	0.49%	0.069%
40	10.343	2793	2800	2808	rVV4	1504	1953	0.11%	0.015%
41	10.484	2834	2844	2858	rVV2	11240	17037	0.94%	0.132%
42	10.574	2862	2872	2880	rVV5	3382	5323	0.29%	0.041%
43	10.671	2894	2902	2915	rVB4	1826	3006	0.17%	0.023%
44	10.758	2915	2929	2949	rBV	270774	436167	24.06%	3.368%
45	10.905	2968	2975	2987	rVB	4287	7033	0.39%	0.054%
46	10.999	2988	3004	3024	rVV2	21418	43695	2.41%	0.337%
47	11.089	3024	3032	3047	rVB2	13896	21700	1.20%	0.168%
48	11.295	3086	3096	3114	rVB2	12946	21207	1.17%	0.164%
49	11.420	3129	3135	3140	rBV4	1021	1250	0.07%	0.010%
50	11.468	3140	3150	3166	rVB	51393	79145	4.36%	0.611%
51	11.574	3175	3183	3190	rVB3	5651	7264	0.40%	0.056%
52	11.693	3212	3220	3226	rBV6	2671	3987	0.22%	0.031%
53	11.735	3226	3233	3245	rVB3	4856	8035	0.44%	0.062%
54	11.812	3245	3257	3272	rBV	461738	731130	40.32%	5.645%
55	11.896	3274	3283	3292	rBV	22019	32480	1.79%	0.251%
56	11.947	3292	3299	3303	rVV6	1605	1956	0.11%	0.015%
57	12.060	3325	3334	3339	rBV5	6419	10840	0.60%	0.084%
58	12.095	3339	3345	3353	rVB2	12004	17320	0.96%	0.134%
59	12.195	3363	3376	3391	rVB	421085	683579	37.70%	5.278%
60	12.311	3404	3412	3424	rBV8	6648	12032	0.66%	0.093%
61	12.378	3428	3433	3440	rBV4	1708	2159	0.12%	0.017%
62	12.462	3452	3459	3464	rBV5	3460	5091	0.28%	0.039%
63	12.571	3486	3493	3501	rVB3	4038	5643	0.31%	0.044%
64	12.635	3508	3513	3520	rVB6	799	918	0.05%	0.007%
65	12.687	3521	3529	3537	rBV5	2447	3920	0.22%	0.030%
66	12.774	3548	3556	3563	rBV4	3964	5921	0.33%	0.046%
67	12.828	3563	3573	3583	rBV5	6295	13230	0.73%	0.102%
68	12.886	3583	3591	3595	rBV7	6311	9312	0.51%	0.072%
69	12.976	3613	3619	3626	rVB3	4044	4960	0.27%	0.038%
70	13.031	3626	3636	3646	rBV3	16458	26382	1.46%	0.204%
71	13.111	3657	3661	3669	rVV8	1169	1359	0.07%	0.010%
72	13.294	3711	3718	3728	rVB3	3174	4578	0.25%	0.035%
73	13.455	3753	3768	3776	rVB4	10822	19734	1.09%	0.152%
74	13.632	3814	3823	3824	rVV4	5082	5550	0.31%	0.043%
75	13.655	3824	3830	3838	rVB3	10174	15282	0.84%	0.118%
76	13.867	3892	3896	3906	rVB4	6575	8670	0.48%	0.067%

LSC Area Percent Report

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Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

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_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

77	14.085	3951	3964	3986	rBV	1169499	1813175	100.00%	14.000%
78	14.208	3990	4002	4014	rVV	58777	92254	5.09%	0.712%
79	14.269	4017	4021	4034	rVB8	3377	5935	0.33%	0.046%
80	14.391	4052	4059	4062	rBV6	2094	2218	0.12%	0.017%
81	14.423	4064	4069	4081	rVB2	5713	7725	0.43%	0.060%
82	14.484	4081	4088	4089	rBV4	2127	1837	0.10%	0.014%
83	14.674	4135	4147	4157	rVB7	3327	6114	0.34%	0.047%
84	14.809	4185	4189	4191	rBV2	1177	994	0.05%	0.008%
85	14.880	4205	4211	4218	rVB5	3313	4807	0.27%	0.037%
86	14.979	4238	4242	4248	rVV6	1441	1509	0.08%	0.012%
87	15.063	4263	4268	4277	rVB6	1327	2053	0.11%	0.016%
88	15.169	4286	4301	4307	rBV	21612	35296	1.95%	0.273%
89	15.224	4307	4318	4342	rVV	876284	1375329	75.85%	10.620%
90	15.339	4344	4354	4363	rVV	18905	31486	1.74%	0.243%
91	15.410	4364	4376	4395	rVV	519024	819523	45.20%	6.328%
92	15.490	4398	4401	4408	rVB4	1667	1999	0.11%	0.015%
93	15.953	4533	4545	4556	rBV	70589	108001	5.96%	0.834%
94	16.146	4596	4605	4612	rBV2	8156	11726	0.65%	0.091%
95	16.259	4632	4640	4653	rBV3	10593	18258	1.01%	0.141%
96	16.410	4676	4687	4694	rBV2	18940	30653	1.69%	0.237%
97	16.445	4695	4698	4711	rVB3	8104	10879	0.60%	0.084%
98	16.619	4743	4752	4753	rBV4	2541	2871	0.16%	0.022%
99	16.783	4798	4803	4811	rVB6	2107	3427	0.19%	0.026%
100	17.098	4892	4901	4913	rVB2	18084	29591	1.63%	0.228%

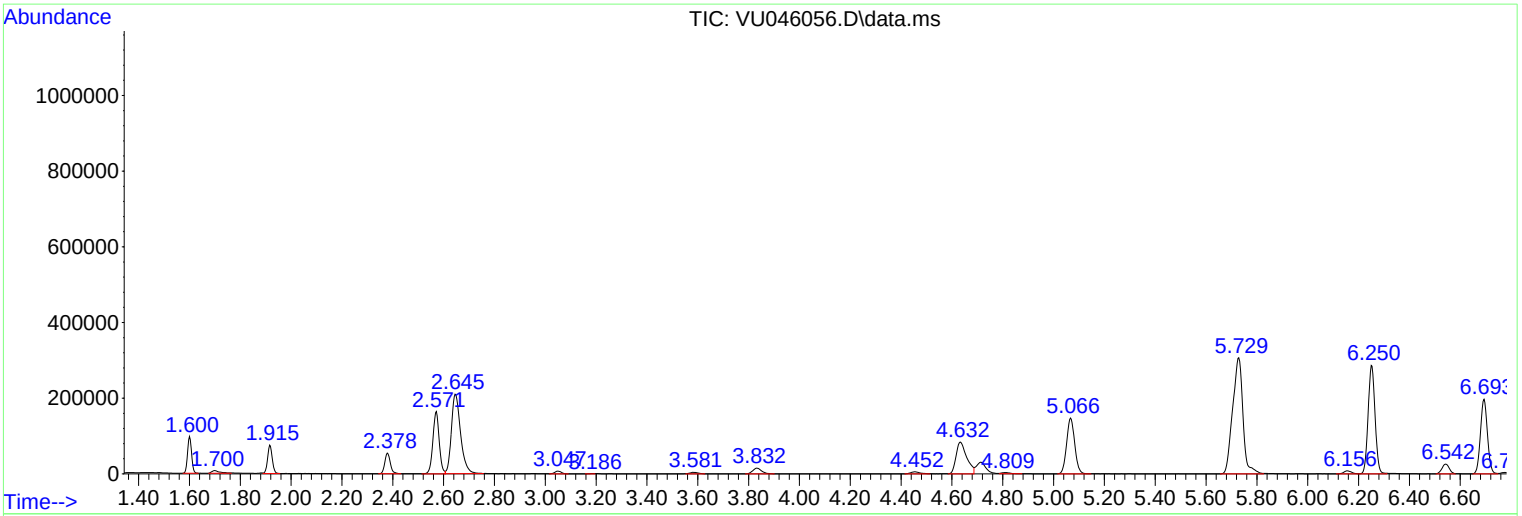
Sum of corrected areas: 12950974

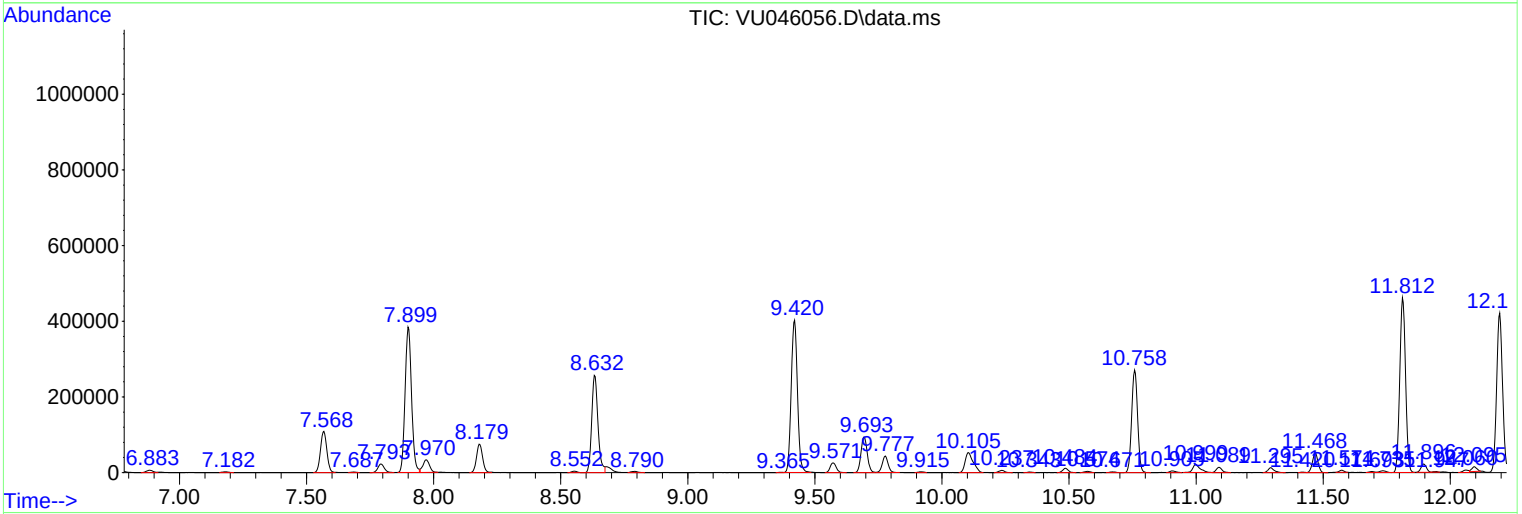
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

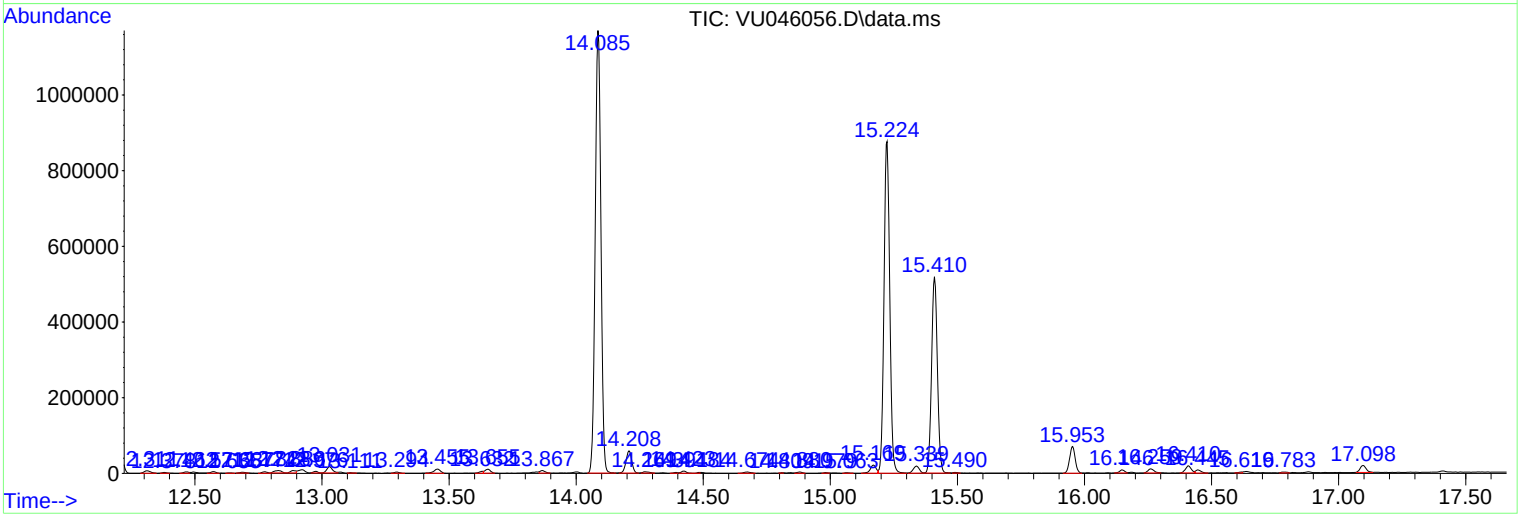
Instrument :
MSVOA_U
ClientSampleId :
BGKP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

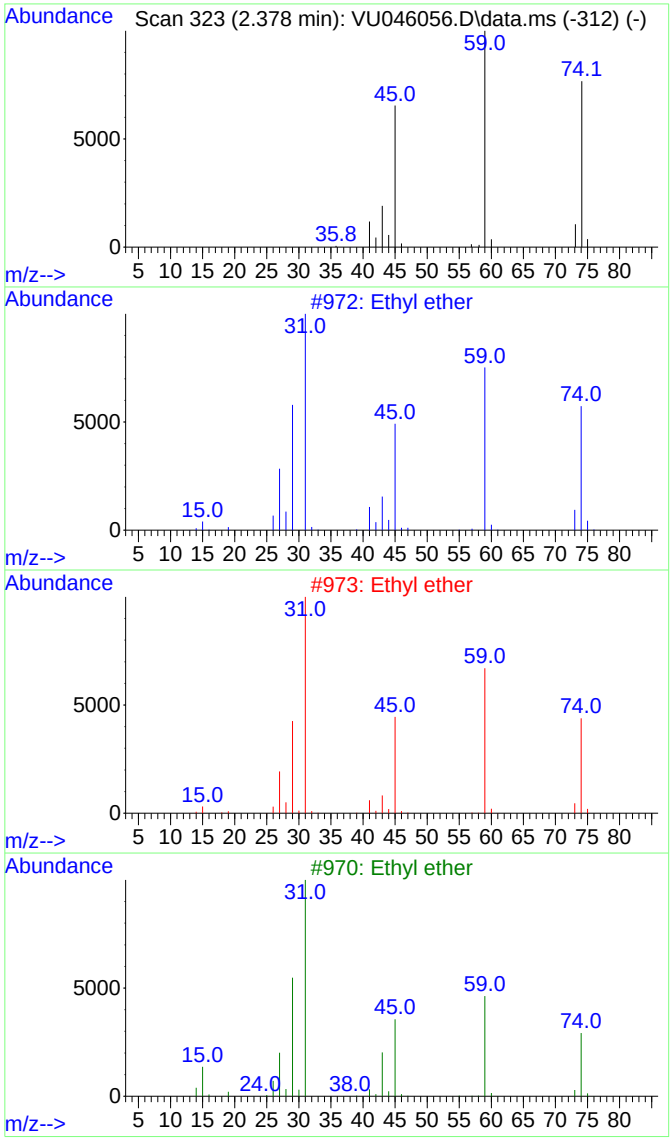
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

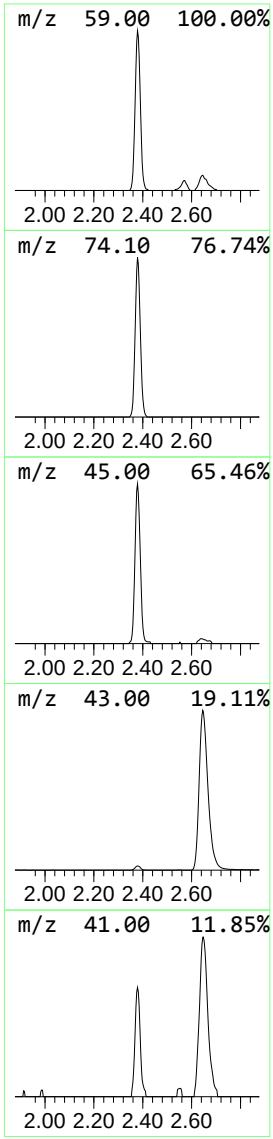
****

Peak Number 1 Ethyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.378	7.61 ug/L	82230	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	78
5	Ethyl ether	74	C4H10O	000060-29-7	72





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Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

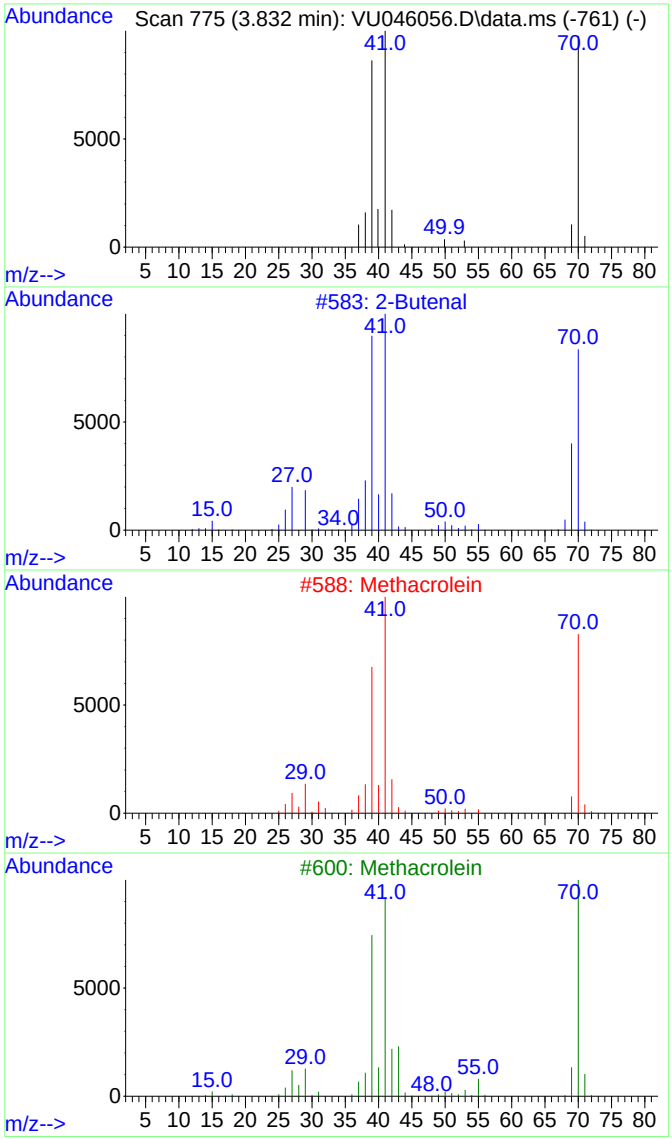
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

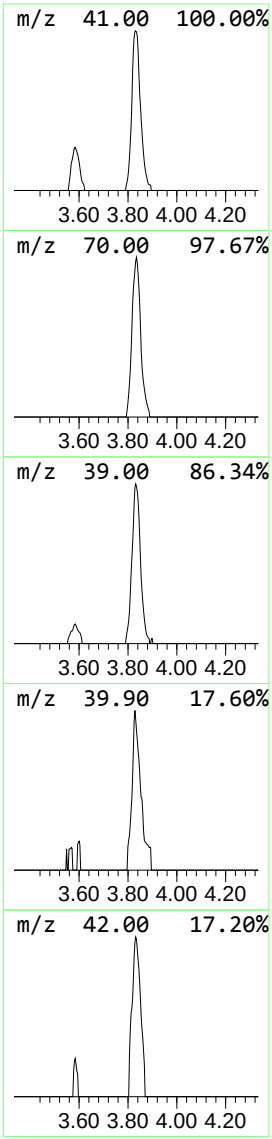
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Butenal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.832	3.40 ug/L	36729	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal	70	C4H6O	004170-30-3	91
2	Methacrolein	70	C4H6O	000078-85-3	91
3	Methacrolein	70	C4H6O	000078-85-3	90
4	2-Butenal, (Z)-	70	C4H6O	015798-64-8	90
5	Methacrolein	70	C4H6O	000078-85-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

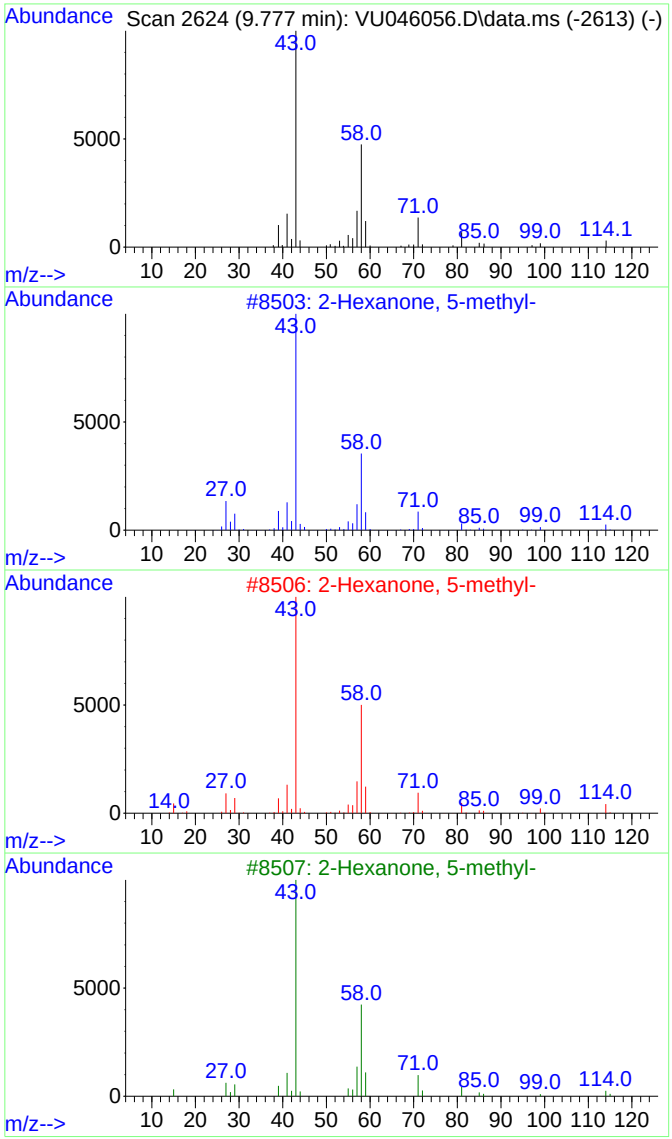
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

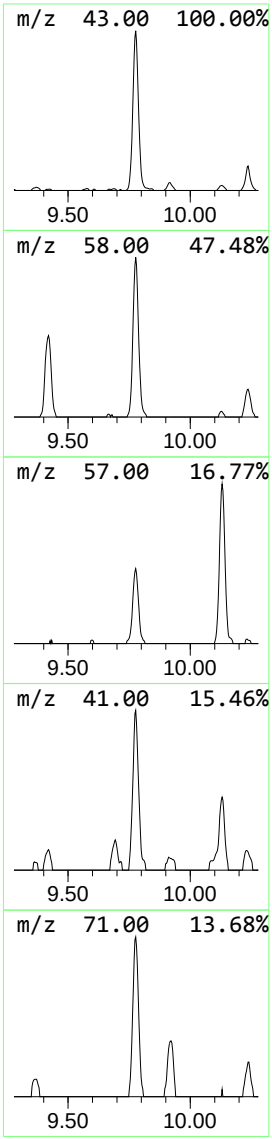
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Hexanone, 5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.777	5.03 ug/L	69016	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

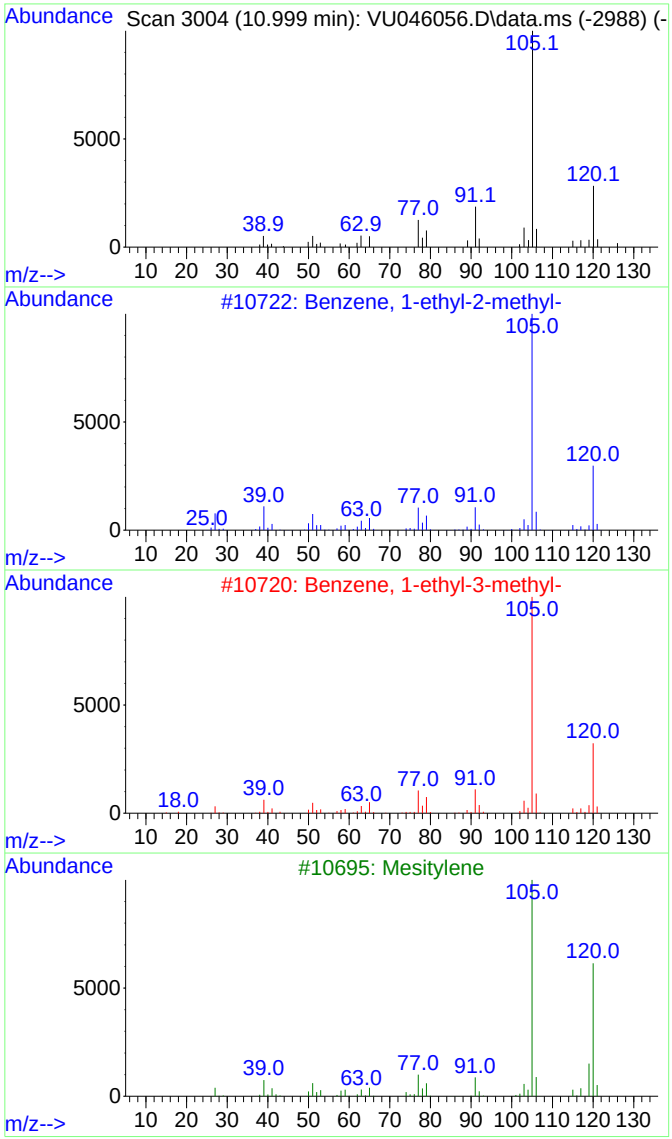
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

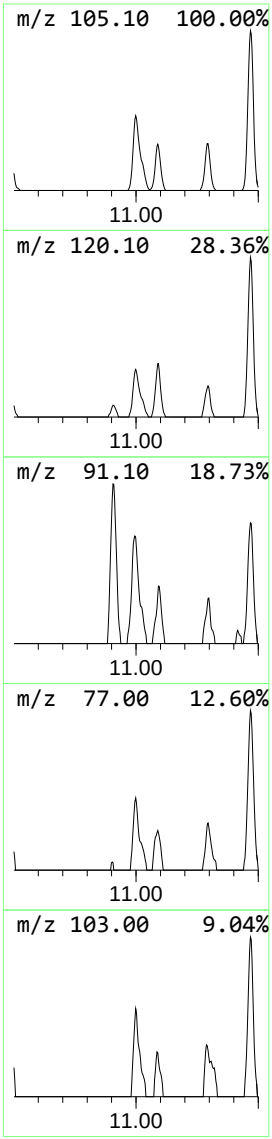
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	2.99 ug/L	43695	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

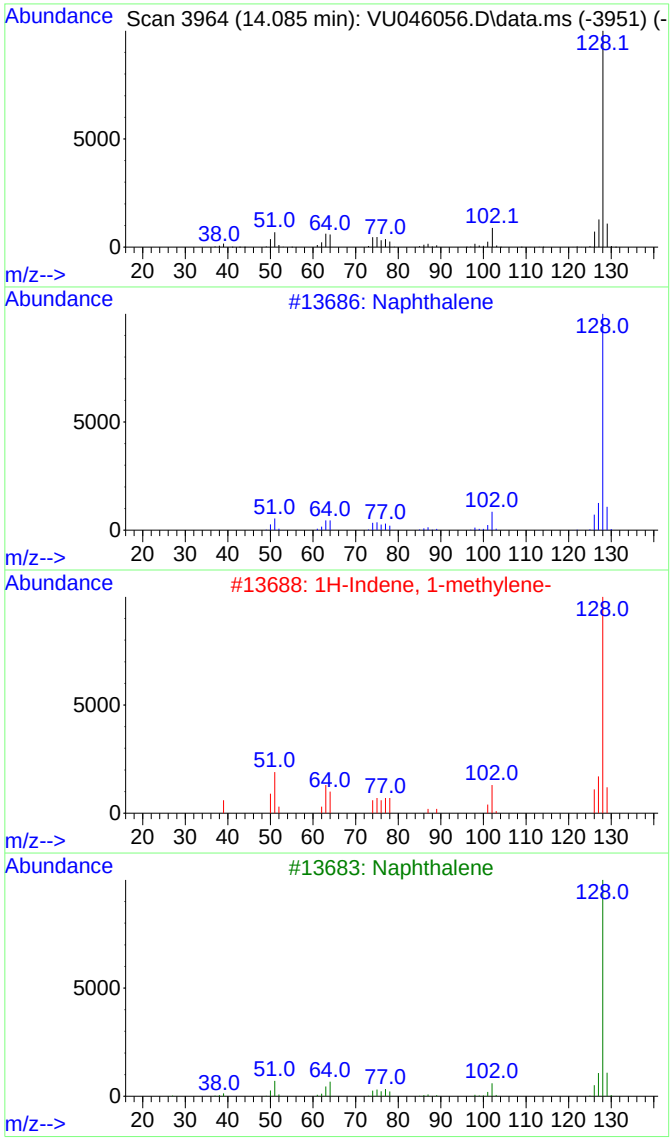
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

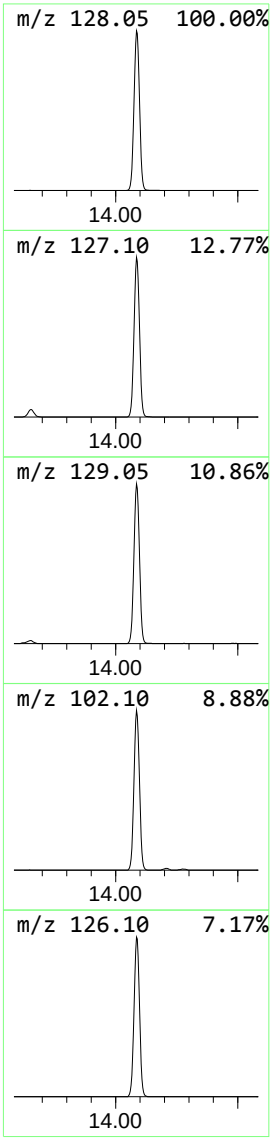
****

Peak Number 6 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.085	124.00 ug/L	1813180	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	93
5	Azulene	128	C10H8	000275-51-4	91





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Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

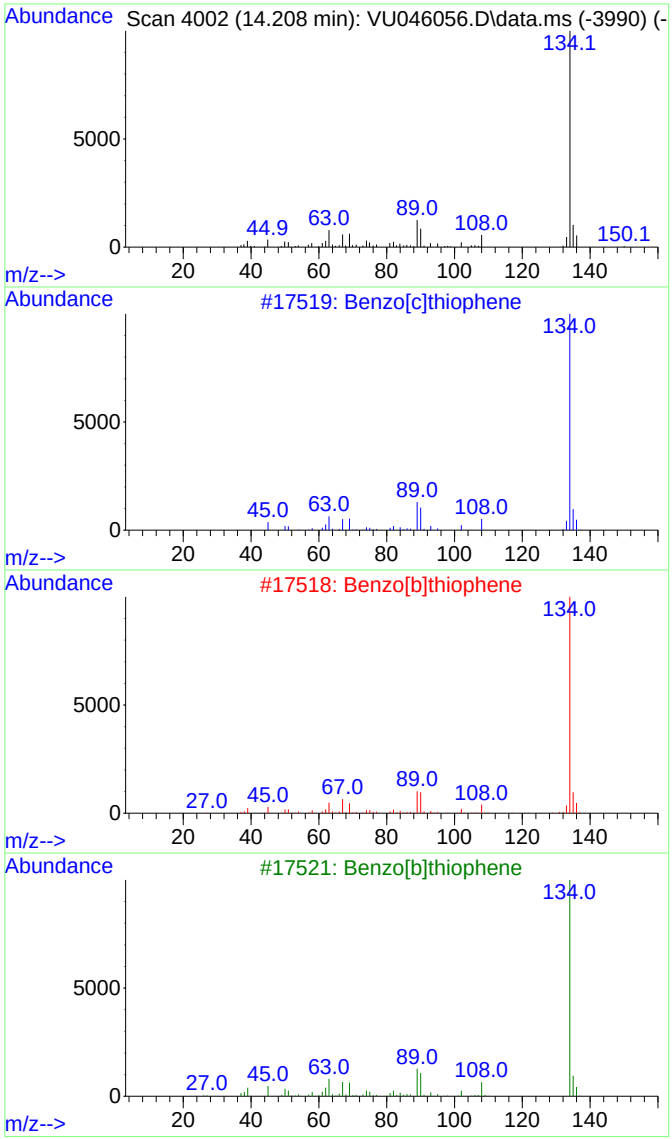
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

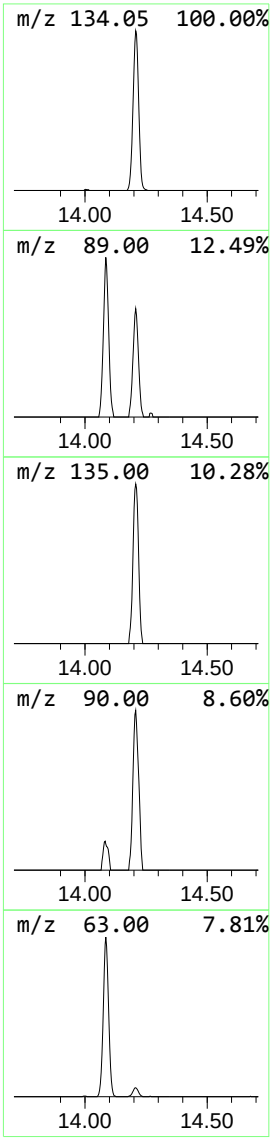
****

Peak Number 7 Benzo[c]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.208	6.31 ug/L	92254	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

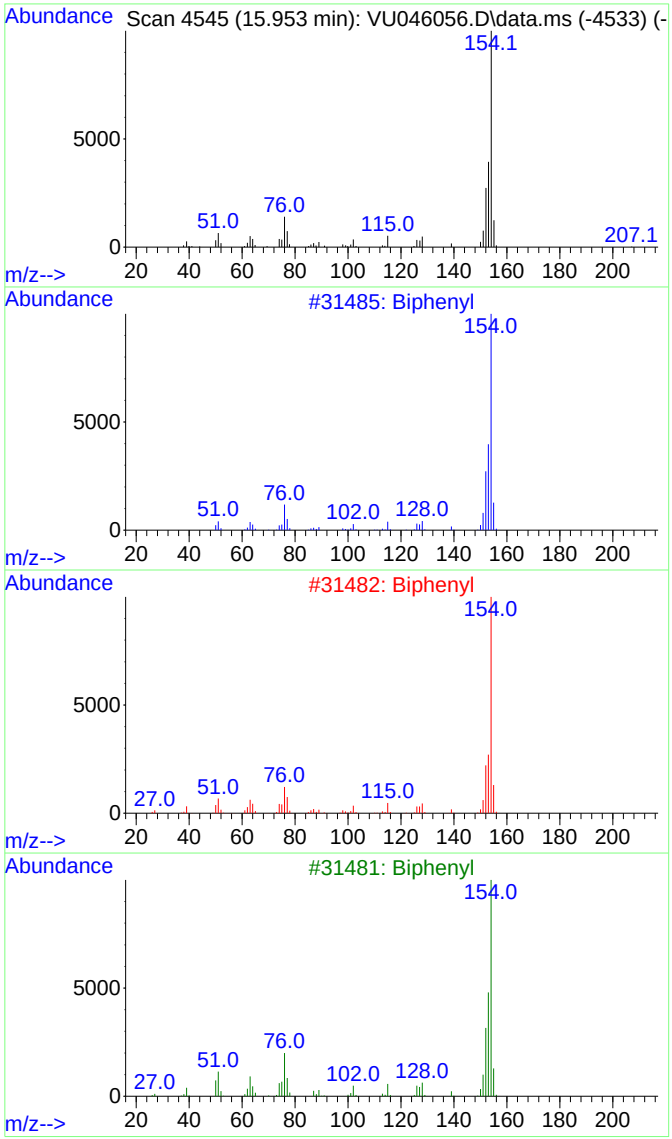
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

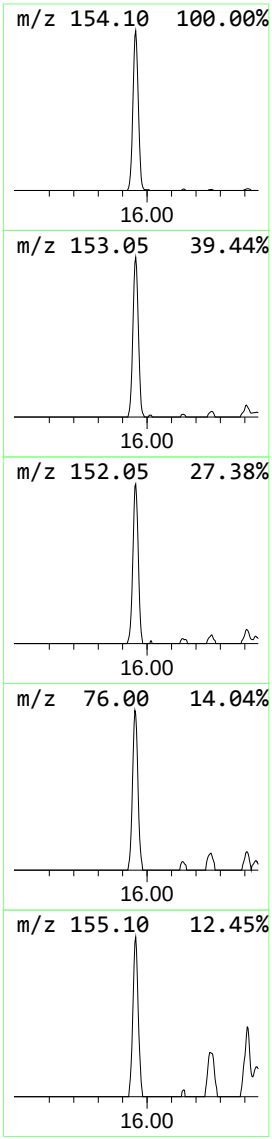
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-ethenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.954	7.39 ug/L	108001	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	94
3	Biphenyl	154	C12H10	000092-52-4	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046056.D
Acq On : 02 Dec 2021 16:42
Operator : SY/MD
Sample : M4870-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	2.378	7.6	ug/L	82230	1	6.250	540630	50.0
2-Butenal	3.832	3.4	ug/L	36729	1	6.250	540630	50.0
2-Hexanone, 5-m...	9.777	5.0	ug/L	69016	2	9.420	685592	50.0
Benzene, 1-ethy...	10.999	3.0	ug/L	43695	3	11.812	731130	50.0
Azulene	14.085	124.0	ug/L	1813180	3	11.812	731130	50.0
Benzo[c]thiophene	14.208	6.3	ug/L	92254	3	11.812	731130	50.0
Naphthalene, 2-...	15.954	7.4	ug/L	108001	3	11.812	731130	50.0