LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

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_V\Method\SFAMVLM100722WMA.M
Title : VOC Analysis

Signal : TIC: VV028474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.304	76	82	94	rBV	135274	139817	10.35%	1.171%
2	2.105	323	331	351	rVB	255502	374468	27.71%	3.138%
3	2.963	594	598	601	rBV3	566	444	0.03%	0.004%
4	3.259	684	690	692	rBV2	769	664	0.05%	0.006%
5	3.709	825	830	833	rBV3	418	336	0.02%	0.003%
6	3.912	880	893	945	rBV	50738	298939	22.12%	2.505%
7	4.343	1014	1027	1053	rVB	207136	502956	37.22%	4.214%
8	4.555	1090	1093	1097	rBV4	566	379	0.03%	0.003%
9	4.645	1119	1121	1125	rBV3	418	222	0.02%	0.002%
10	4.744	1150	1152	1159	rVB2	848	762	0.06%	0.006%
11	4.786	1162	1165	1168	rVB2	447	319	0.02%	0.003%
12	4.806	1168	1171	1173	rBV3	528	341	0.03%	0.003%
13	4.841	1180	1182	1186	rBV3	373	248	0.02%	0.002%
14	4.908	1201	1203	1205	rBV	431	231	0.02%	0.002%
15	4.937	1210	1212	1214	rVB2	809	345	0.03%	0.003%
16	4.953	1214	1217	1219	rBV3	512	378	0.03%	0.003%
17	4.966	1219	1221	1225	rVB4	420	251	0.02%	0.002%
18	5.040	1228	1244	1285	rBV2	521179	1351200	100.00%	11.321%
19	5.481	1378	1381	1383	rBV3	722	480	0.04%	0.004%
20	5.613	1410	1422	1454	rBV	413415	841284	62.26%	7.049%
21	5.918	1505	1517	1526	rBV	3414	7383	0.55%	0.062%
22	6.066	1550	1563	1585	rBV	290857	607490	44.96%	5.090%
23	6.301	1634	1636	1637	rBV	592	211	0.02%	0.002%
24	6.365	1654	1656	1658	rBV2	554	322	0.02%	0.003%
25	6.378	1658	1660	1663	rVB2	828	487	0.04%	0.004%
26	6.445	1675	1681	1685	rVB4	978	823	0.06%	0.007%
27	6.574	1719	1721	1723	rVB2	685	299	0.02%	0.003%
28	6.590	1723	1726	1728	rBV2	714	418	0.03%	0.004%
29	6.741	1771	1773	1775	rBV2	482	211	0.02%	0.002%
30	6.764	1778	1780	1784	rVB3	871	567	0.04%	0.005%
31	6.789	1784	1788	1790	rBV3	404	319	0.02%	0.003%
32	6.908	1822	1825	1827	rBV2	765	405	0.03%	0.003%
33	6.982	1834	1848	1876	rBV2	172570	328231	24.29%	2.750%
34	7.201	1913	1916	1921	rBV5	931	677	0.05%	0.006%
35	7.259	1933	1934	1937	rBV4	518	327	0.02%	0.003%
36	7.310	1938	1950	1974	rBV	631082	1099607	81.38%	9.213%

LSC Area Percent Report

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Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

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_V\Method\SFAMVLM100722WMA.M
Title : VOC Analysis

37	7.616	2036	2045	2073	rBV	117416	213256	15.78%	1.787%
38	7.940	2135	2146	2153	rVV3	7762	14129	1.05%	0.118%
39	8.085	2179	2191	2230	rBV	358332	723707	53.56%	6.064%
40	8.510	2321	2323	2327	rVB2	594	239	0.02%	0.002%
41	8.786	2404	2409	2410	rBV2	558	449	0.03%	0.004%
42	8.847	2415	2428	2447	rBV	606381	990817	73.33%	8.302%
43	9.230	2545	2547	2553	rVB2	848	587	0.04%	0.005%
44	9.259	2553	2556	2558	rBV2	397	297	0.02%	0.002%
45	9.403	2599	2601	2603	rBV2	495	315	0.02%	0.003%
46	9.455	2613	2617	2618	rBV3	494	317	0.02%	0.003%
47	9.545	2637	2645	2655	rBV6	1729	2703	0.20%	0.023%
48	9.583	2655	2657	2661	rVB2	677	436	0.03%	0.004%
49	9.603	2661	2663	2664	rBV	536	252	0.02%	0.002%
50	9.677	2683	2686	2691	rBV4	660	655	0.05%	0.005%
51	9.712	2691	2697	2702	rBV4	663	671	0.05%	0.006%
52	9.757	2708	2711	2715	rBV2	437	318	0.02%	0.003%
53	9.895	2752	2754	2756	rBV2	536	223	0.02%	0.002%
54	9.931	2763	2765	2768	rBV2	576	305	0.02%	0.003%
55	10.014	2787	2791	2794	rBV3	488	319	0.02%	0.003%
56	10.053	2800	2803	2806	rBV2	417	296	0.02%	0.002%
57	10.082	2810	2812	2815	rBV3	472	269	0.02%	0.002%
58	10.207	2840	2851	2867	rBV	416695	654207	48.42%	5.481%
59	10.342	2890	2893	2894	rBV3	575	371	0.03%	0.003%
60	10.374	2897	2903	2917	rVB	10642	17177	1.27%	0.144%
61	10.455	2926	2928	2930	rBV2	609	387	0.03%	0.003%
62	10.516	2944	2947	2948	rBV	406	234	0.02%	0.002%
63	10.538	2952	2954	2955	rBV2	605	239	0.02%	0.002%
64	10.635	2979	2984	2985	rBV3	397	311	0.02%	0.003%
65	10.670	2992	2995	2997	rBV3	814	344	0.03%	0.003%
66	10.731	3009	3014	3016	rBV3	713	602	0.04%	0.005%
67	10.915	3062	3071	3072	rBV	1123	1165	0.09%	0.010%
68	11.024	3103	3105	3108	rBV2	446	236	0.02%	0.002%
69	11.069	3116	3119	3122	rBV4	817	600	0.04%	0.005%
70	11.239	3161	3172	3193	rBV	657857	1014073	75.05%	8.497%
71	11.522	3251	3260	3275	rBV3	13992	24849	1.84%	0.208%
72	11.616	3278	3289	3317	rVV	641724	1002621	74.20%	8.401%
73	11.741	3320	3328	3342	rVB	24667	41726	3.09%	0.350%
74	11.947	3388	3392	3395	rBV4	656	577	0.04%	0.005%
75	12.191	3466	3468	3472	rVB2	674	435	0.03%	0.004%
76	12.220	3472	3477	3478	rBV2	1165	871	0.06%	0.007%

LSC Area Percent Report

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Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E10040

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_V\Method\SFAMVLM100722WMA.M
Title : VOC Analysis

77	12.275	3492	3494	3498	rVB3	578	309	0.02%	0.003%
78	12.326	3507	3510	3511	rBV2	387	259	0.02%	0.002%
79	12.355	3512	3519	3530	rVB6	7625	11571	0.86%	0.097%
80	12.461	3542	3552	3564	rBV3	15564	31784	2.35%	0.266%
81	12.689	3621	3623	3625	rBV3	666	321	0.02%	0.003%
82	12.847	3669	3672	3674	rBV2	713	443	0.03%	0.004%
83	12.876	3676	3681	3689	rVB8	4359	4699	0.35%	0.039%
84	12.940	3694	3701	3712	rBV7	5904	9063	0.67%	0.076%
85	12.985	3712	3715	3716	rBV2	531	262	0.02%	0.002%
86	13.046	3728	3734	3746	rVB5	8516	13992	1.04%	0.117%
87	13.095	3747	3749	3755	rVB4	923	706	0.05%	0.006%
88	13.124	3755	3758	3763	rBV4	574	622	0.05%	0.005%
89	13.423	3849	3851	3853	rBV	547	228	0.02%	0.002%
90	13.435	3853	3855	3858	rBV2	666	431	0.03%	0.004%
91	13.490	3861	3872	3897	rVV	221969	361237	26.73%	3.027%
92	13.612	3902	3910	3922	rVV	49957	76841	5.69%	0.644%
93	13.850	3982	3984	3988	rVB3	870	445	0.03%	0.004%
94	14.622	4216	4224	4244	rVB	49990	81471	6.03%	0.683%
95	14.802	4270	4280	4294	rBV	175595	286745	21.22%	2.403%
96	15.352	4442	4451	4466	rVB	73964	111354	8.24%	0.933%
97	15.654	4537	4545	4566	rVB3	39710	76351	5.65%	0.640%
98	15.799	4582	4590	4598	rBV	66712	100495	7.44%	0.842%
99	16.258	4725	4733	4747	rVB	69554	113759	8.42%	0.953%
100	16.471	4788	4799	4819	rBV	239610	378313	28.00%	3.170%

Sum of corrected areas: 11935127

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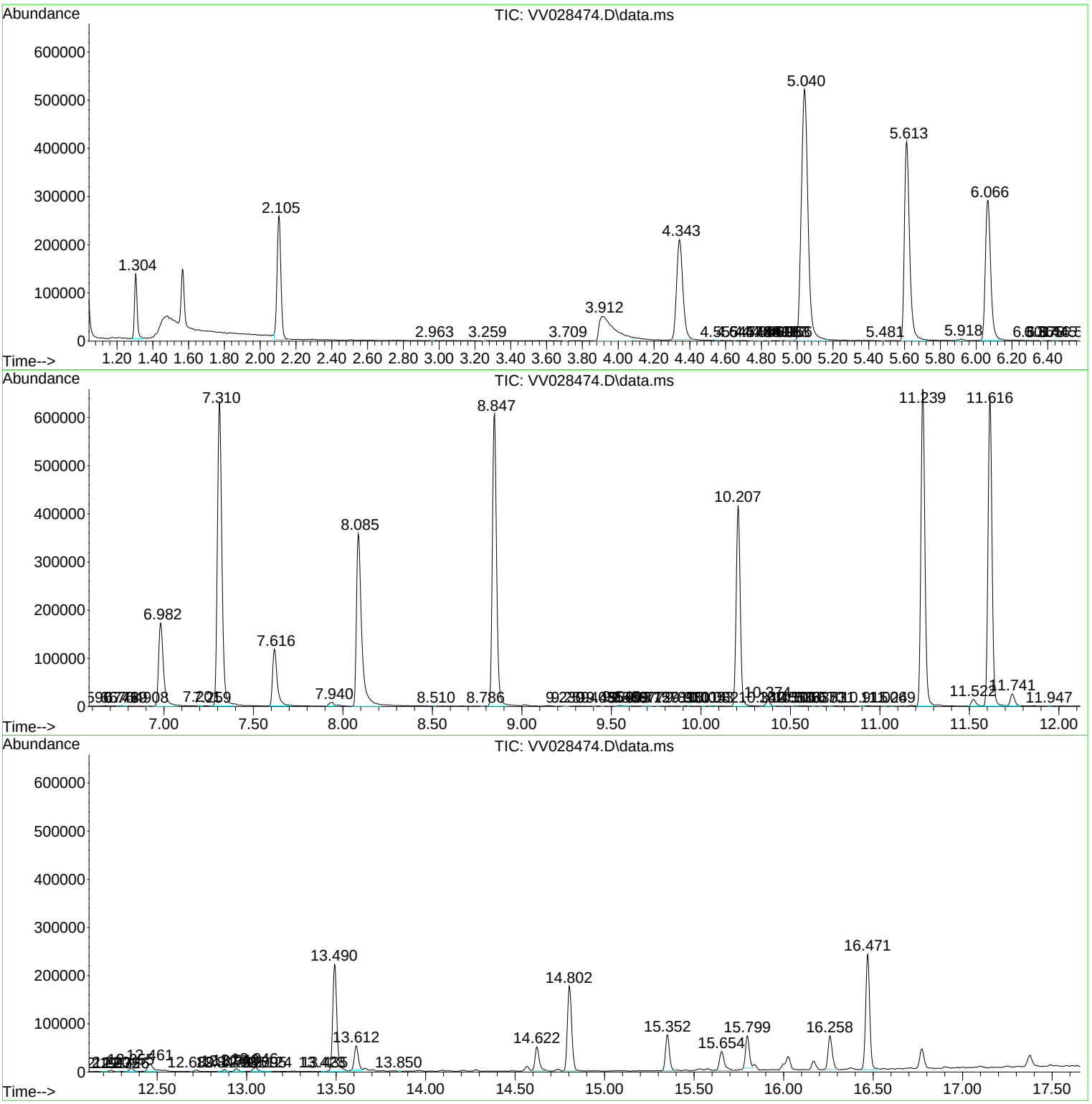
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
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ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

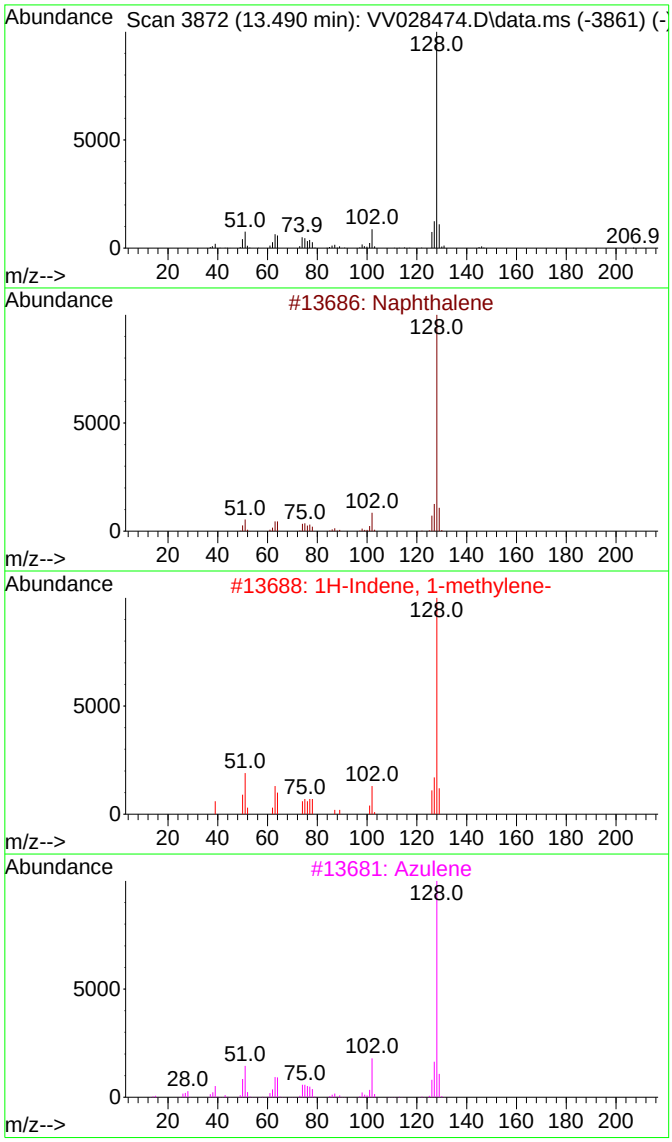
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

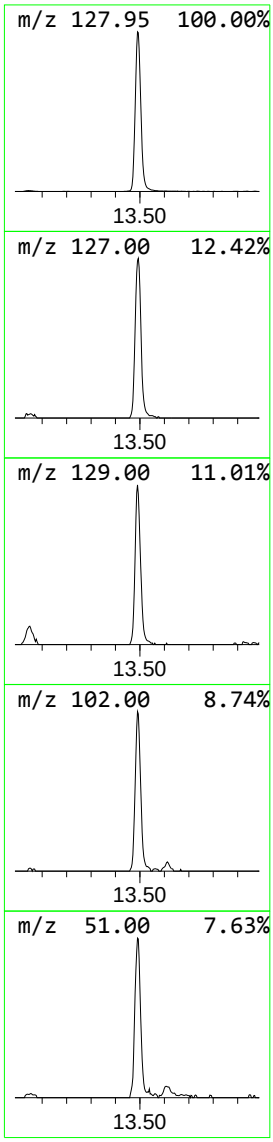
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.490	17.81 ug/L	361237	1,4-Dichlorobenzene-d4	11.239

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	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

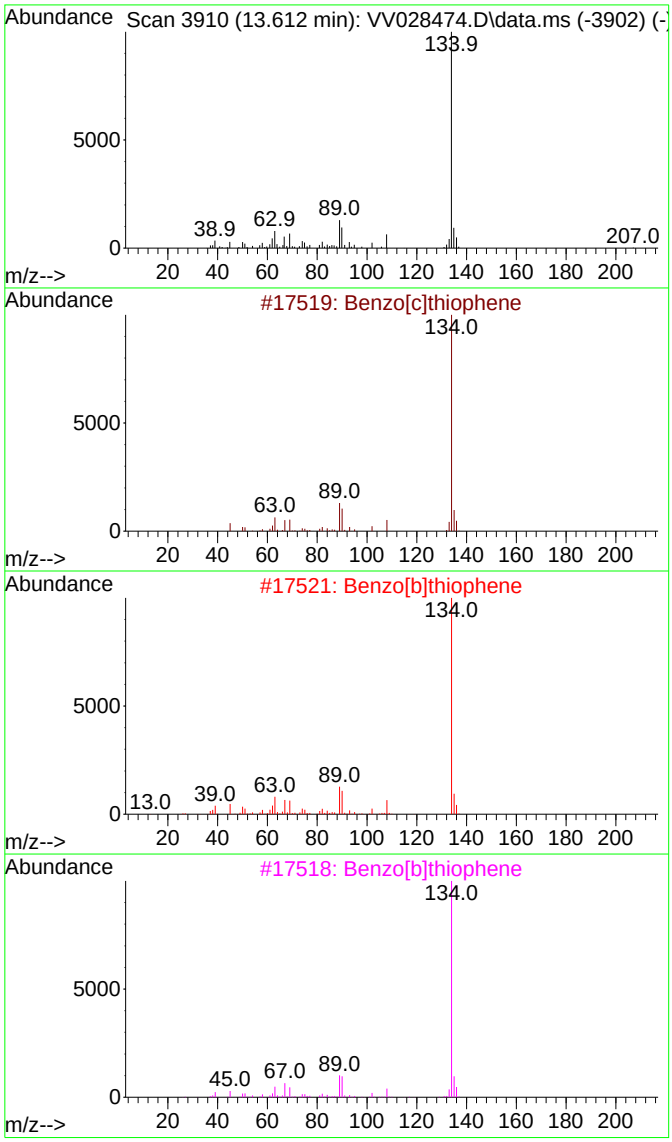
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

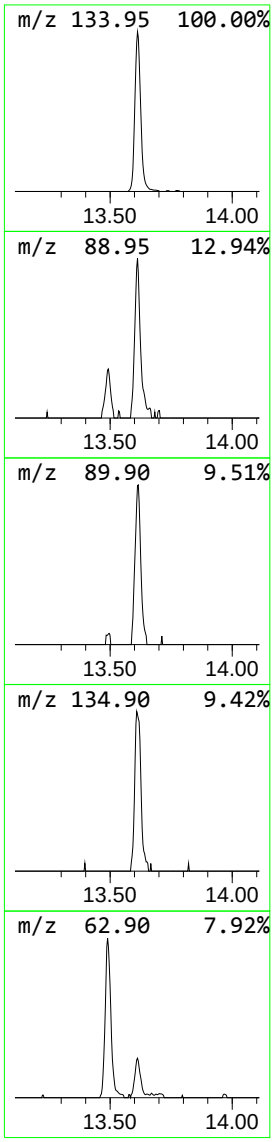
****

Peak Number 3 Benzo[c]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	3.79 ug/L	76841	1,4-Dichlorobenzene-d4	11.239

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
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Operator : SY/MD
Sample : N4923-18
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ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

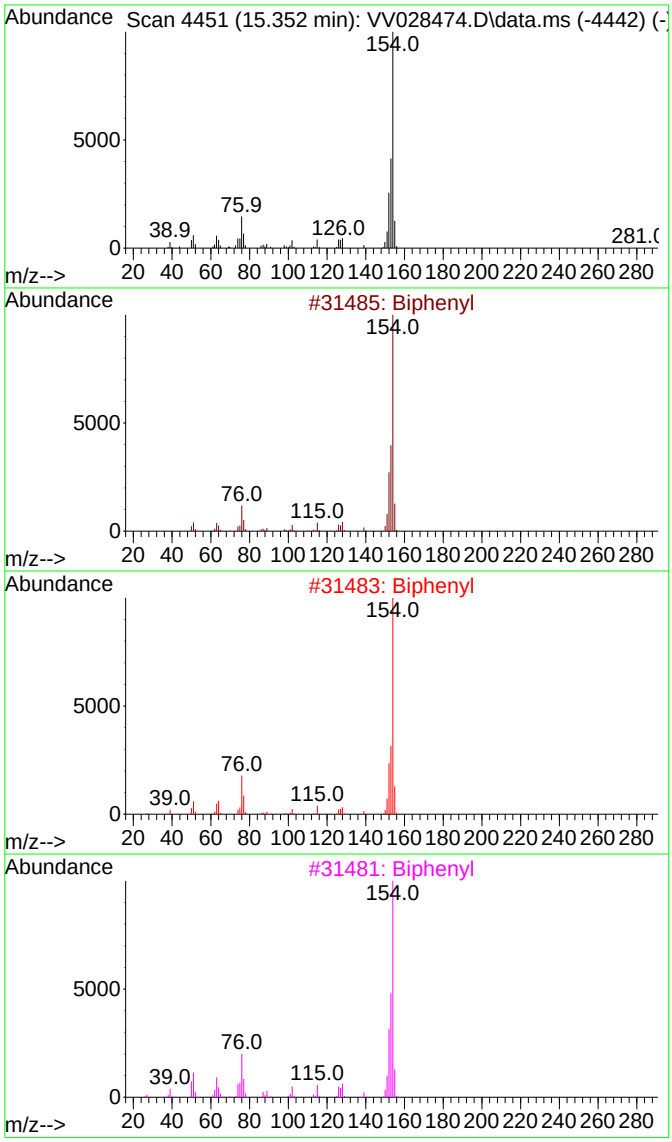
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

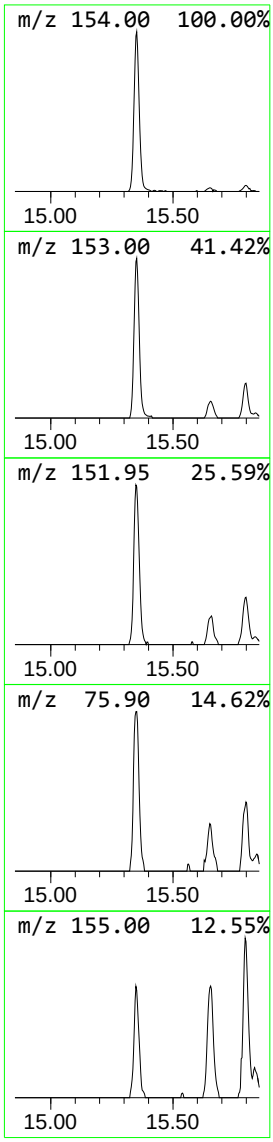
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.352	5.49 ug/L	111354	1,4-Dichlorobenzene-d4	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	90
3	Biphenyl	154	C12H10	000092-52-4	90
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87
5	Biphenyl	154	C12H10	000092-52-4	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
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Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

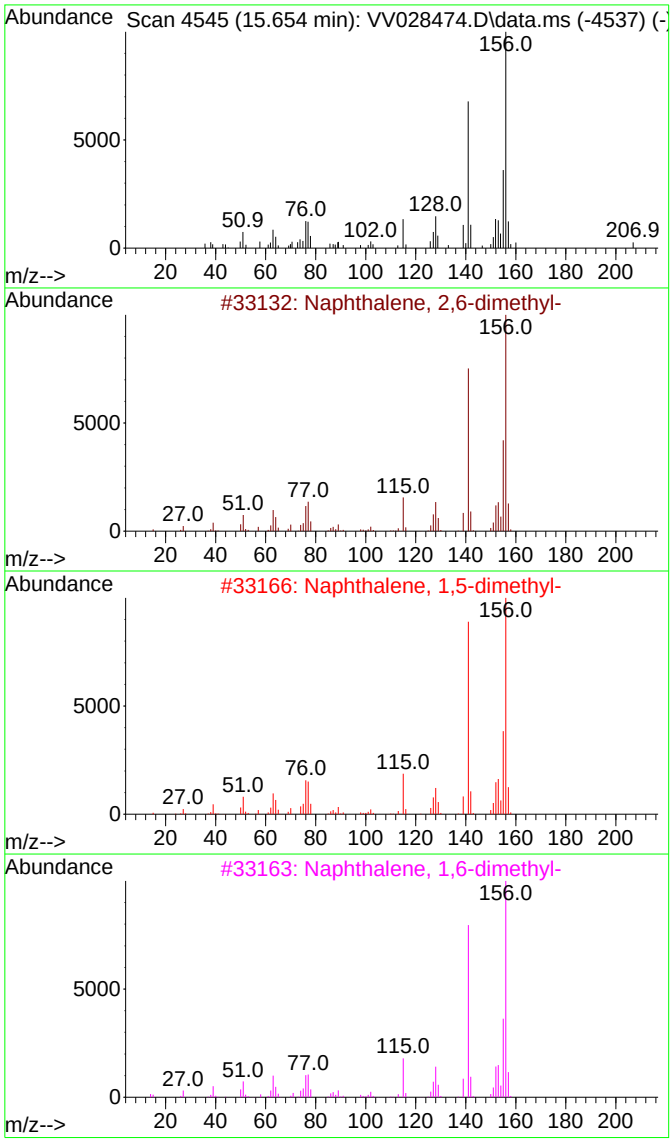
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

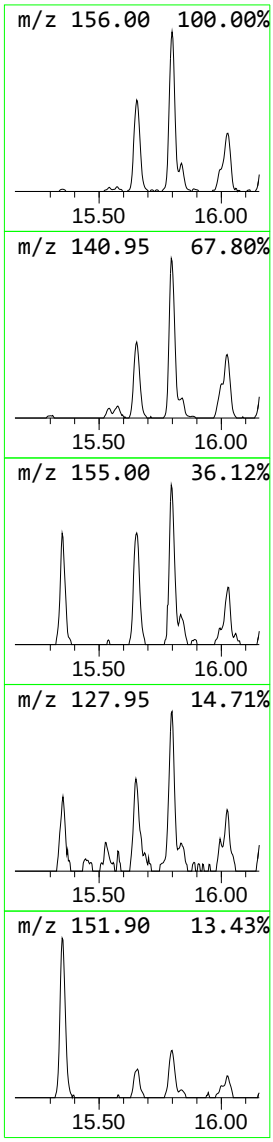
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.654	3.76 ug/L	76351	1,4-Dichlorobenzene-d4	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

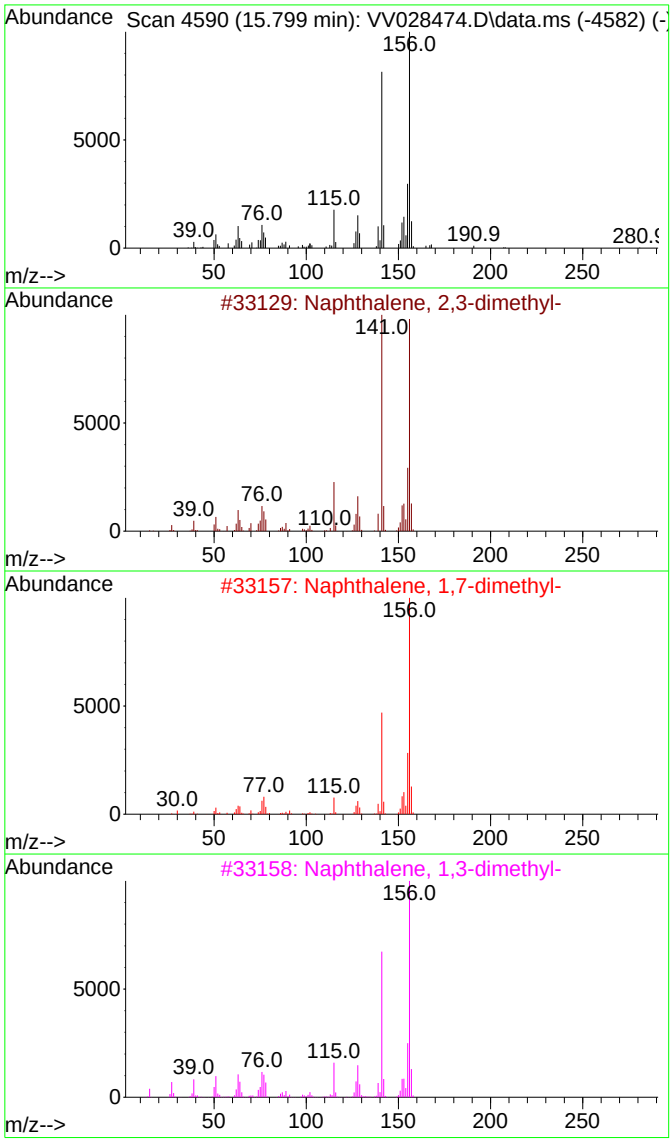
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

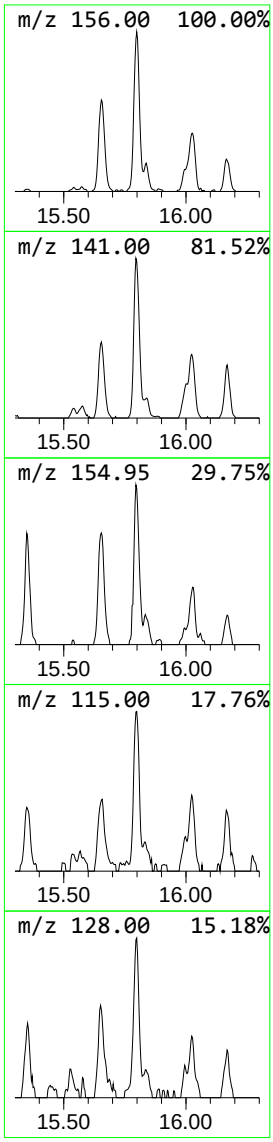
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.799	4.96 ug/L	100495	1,4-Dichlorobenzene-d4	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

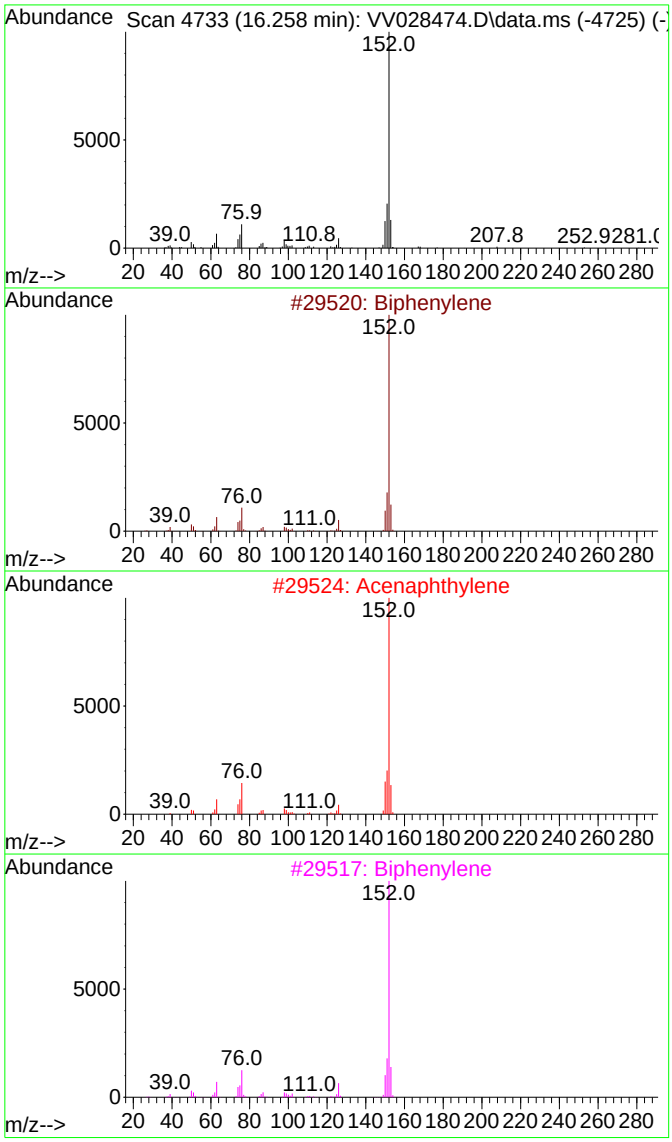
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

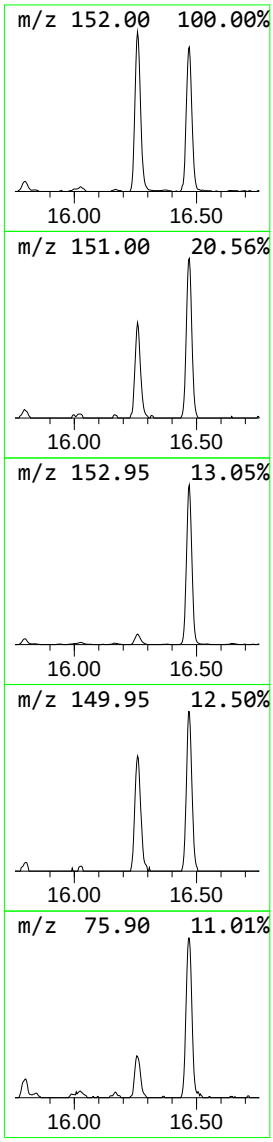
****

Peak Number 9 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.258	5.61 ug/L	113759	1,4-Dichlorobenzene-d4	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	97
2	Acenaphthylene	152	C12H8	000208-96-8	95
3	Biphenylene	152	C12H8	000259-79-0	93
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

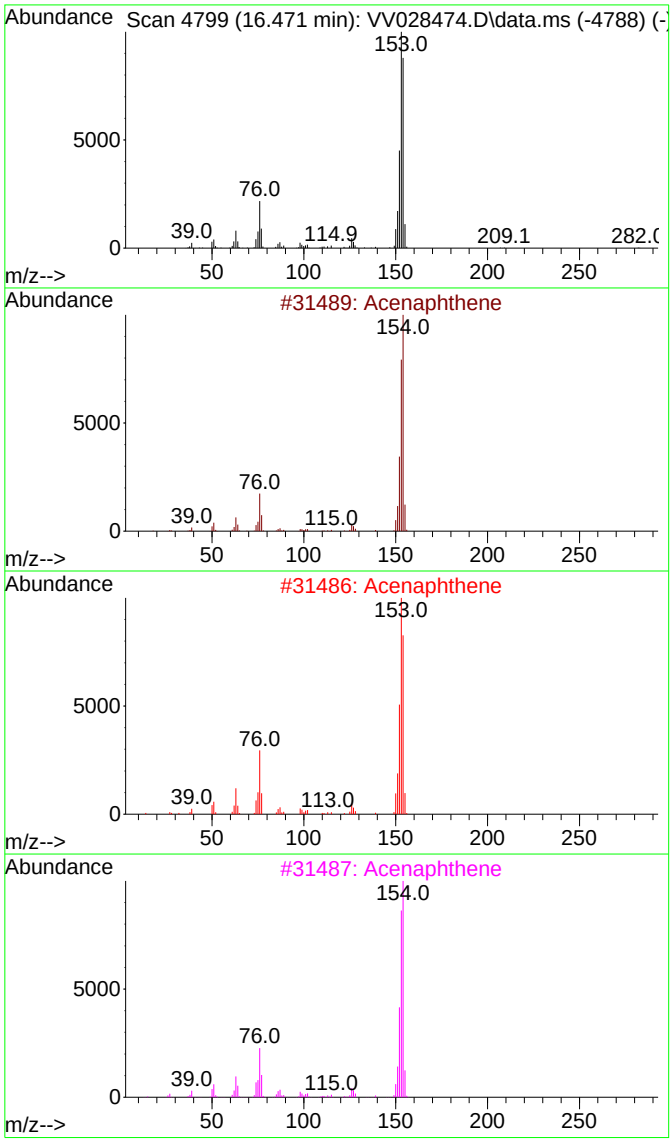
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
Quant Title : VOC Analysis

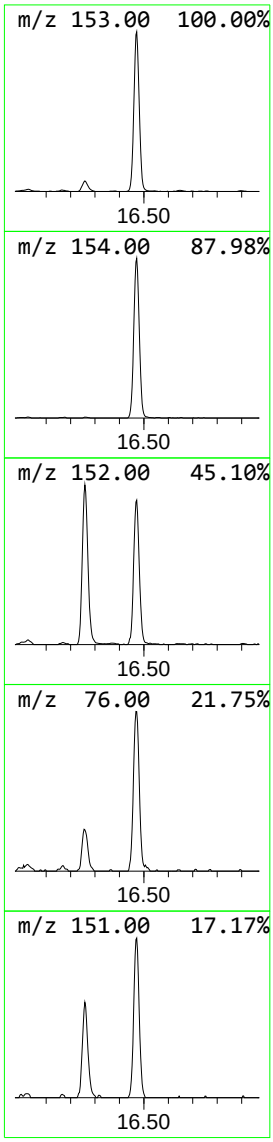
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Hexa-2,4-diyn-1-ylbenzene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.471	18.65 ug/L	378313	1,4-Dichlorobenzene-d4	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	93
2	Acenaphthene	154	C12H10	000083-32-9	89
3	Acenaphthene	154	C12H10	000083-32-9	72
4	Hexa-2,4-diyn-1-ylbenzene	154	C12H10	000520-74-1	64
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100822\
Data File : VV028474.D
Acq On : 09 Oct 2022 06:40
Operator : SY/MD
Sample : N4923-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E10040

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.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
Azulene	13.490	17.8	ug/L	361237	3	11.239	1014070	50.0
Benzo[c]thiophene	13.612	3.8	ug/L	76841	3	11.239	1014070	50.0
Naphthalene, 2-...	15.352	5.5	ug/L	111354	3	11.239	1014070	50.0
Naphthalene, 2,...	15.654	3.8	ug/L	76351	3	11.239	1014070	50.0
Naphthalene, 2,...	15.799	5.0	ug/L	100495	3	11.239	1014070	50.0
Biphenylene	16.258	5.6	ug/L	113759	3	11.239	1014070	50.0
Hexa-2,4-diyn-1...	16.471	18.6	ug/L	378313	3	11.239	1014070	50.0