LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

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\SOM2WLM042419S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.166	39	43	48	rBV2	4869	8205	3.95%	0.632%
2	3.306	228	230	232	rVB3	926	746	0.36%	0.057%
3	3.446	250	253	258	rBV3	1359	1716	0.83%	0.132%
4	3.519	263	265	268	rVB	1047	925	0.45%	0.071%
5	3.714	295	297	301	rVB5	1035	1248	0.60%	0.096%
6	3.763	301	305	307	rVB2	1117	1312	0.63%	0.101%
7	3.861	319	321	325	rVB3	864	853	0.41%	0.066%
8	4.019	341	347	350	rBV4	3920	8426	4.06%	0.649%
9	4.147	366	368	371	rVB2	863	886	0.43%	0.068%
10	4.525	429	430	433	rVB2	866	613	0.30%	0.047%
11	4.568	435	437	440	rBV2	1210	1540	0.74%	0.119%
12	4.665	451	453	456	rBV4	1063	1387	0.67%	0.107%
13	4.921	490	495	500	rVB4	2509	5449	2.62%	0.420%
14	5.275	551	553	555	rVB	811	616	0.30%	0.047%
15	5.403	573	574	576	rBV2	927	770	0.37%	0.059%
16	5.446	578	581	582	rVB	784	632	0.30%	0.049%
17	5.464	582	584	587	rVB3	864	781	0.38%	0.060%
18	5.537	591	596	597	rBV2	1085	1599	0.77%	0.123%
19	5.769	632	634	637	rBV4	975	1465	0.71%	0.113%
20	5.872	649	651	653	rBV2	886	1030	0.50%	0.079%
21	5.921	655	659	661	rVB2	887	1069	0.51%	0.082%
22	6.007	670	673	675	rBV2	1031	1080	0.52%	0.083%
23	6.147	694	696	698	rVB3	1146	1032	0.50%	0.079%
24	6.190	700	703	704	rBV2	751	791	0.38%	0.061%
25	6.244	708	712	714	rBV4	714	909	0.44%	0.070%
26	6.336	723	727	729	rBV2	1065	1468	0.71%	0.113%
27	6.452	743	746	749	rVB2	658	940	0.45%	0.072%
28	6.482	749	751	752	rBV	1248	791	0.38%	0.061%
29	6.519	756	757	759	rVB2	1100	683	0.33%	0.053%
30	6.580	765	767	770	rVB2	1057	1037	0.50%	0.080%
31	6.604	770	771	773	rBV	1332	1001	0.48%	0.077%
32	6.659	779	780	782	rVB	1126	663	0.32%	0.051%
33	6.799	799	803	805	rBV3	913	1237	0.60%	0.095%
34	6.945	822	827	828	rBV2	992	1125	0.54%	0.087%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

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\SOM2WLM042419S.M
Title : VOC Analysis

35	7.080	844	849	850	rBV2	2171	3518	1.69%	0.271%
36	7.250	871	877	888	rVV3	6089	17686	8.52%	1.362%
37	7.354	890	894	896	rVB3	858	1134	0.55%	0.087%
38	7.409	902	903	907	rVB4	1013	896	0.43%	0.069%
39	7.506	917	919	921	rBV	581	655	0.32%	0.050%
40	7.647	934	942	953	rVB	11911	28733	13.84%	2.212%
41	7.726	953	955	959	rBV3	768	980	0.47%	0.075%
42	7.781	959	964	966	rBV2	790	1201	0.58%	0.092%
43	7.933	985	989	991	rVB	790	936	0.45%	0.072%
44	7.951	991	992	994	rVB	1069	634	0.31%	0.049%
45	8.037	1005	1006	1009	rBV2	684	653	0.31%	0.050%
46	8.079	1011	1013	1015	rVB2	1177	776	0.37%	0.060%
47	8.207	1032	1034	1037	rVB2	993	859	0.41%	0.066%
48	8.281	1037	1046	1059	rBV4	18254	65252	31.43%	5.024%
49	8.427	1066	1070	1073	rVB4	1167	1651	0.80%	0.127%
50	8.457	1073	1075	1077	rBV2	723	828	0.40%	0.064%
51	8.482	1077	1079	1081	rVB	881	657	0.32%	0.051%
52	8.628	1101	1103	1106	rBV	813	1040	0.50%	0.080%
53	8.726	1117	1119	1122	rBV	1008	934	0.45%	0.072%
54	8.841	1130	1138	1144	rBV	18901	38311	18.45%	2.950%
55	8.988	1160	1162	1164	rVB	748	665	0.32%	0.051%
56	9.043	1167	1171	1172	rBV2	1516	2050	0.99%	0.158%
57	9.274	1202	1209	1217	rVB3	16604	33734	16.25%	2.597%
58	9.360	1220	1223	1225	rBV2	827	721	0.35%	0.056%
59	9.433	1232	1235	1238	rBV2	766	1030	0.50%	0.079%
60	9.530	1250	1251	1255	rVB3	839	740	0.36%	0.057%
61	9.573	1255	1258	1259	rBV	976	921	0.44%	0.071%
62	9.701	1278	1279	1282	rBV2	748	776	0.37%	0.060%
63	9.872	1304	1307	1308	rBV2	923	903	0.43%	0.070%
64	9.933	1315	1317	1319	rBV2	901	850	0.41%	0.065%
65	10.036	1326	1334	1340	rBV	8112	16922	8.15%	1.303%
66	10.085	1340	1342	1343	rVB	1143	650	0.31%	0.050%
67	10.116	1345	1347	1351	rBV3	970	1183	0.57%	0.091%
68	10.195	1356	1360	1362	rBV2	802	1230	0.59%	0.095%
69	10.256	1367	1370	1372	rBV4	724	1004	0.48%	0.077%
70	10.323	1374	1381	1388	rVB	23027	41850	20.16%	3.222%
71	10.408	1393	1395	1399	rVB3	1121	1184	0.57%	0.091%

LSC Area Percent Report

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Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

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\SOM2WLM042419S.M
Title : VOC Analysis

72	10.469	1403	1405	1407	rBV2	842	780	0.38%	0.060%
73	10.506	1409	1411	1412	rVB2	1192	738	0.36%	0.057%
74	10.524	1412	1414	1417	rVB4	910	1158	0.56%	0.089%
75	10.579	1417	1423	1426	rBV4	5810	11264	5.43%	0.867%
76	10.652	1433	1435	1436	rBV2	764	653	0.31%	0.050%
77	10.701	1441	1443	1447	rVB3	1382	1240	0.60%	0.095%
78	10.731	1447	1448	1450	rBV2	1384	910	0.44%	0.070%
79	10.926	1473	1480	1486	rBV2	9567	18878	9.09%	1.453%
80	11.048	1498	1500	1502	rVB2	1336	1062	0.51%	0.082%
81	11.079	1502	1505	1507	rBV2	1198	1518	0.73%	0.117%
82	11.122	1510	1512	1513	rBV2	985	822	0.40%	0.063%
83	11.140	1513	1515	1520	rVB5	1206	1933	0.93%	0.149%
84	11.195	1522	1524	1525	rVB	1229	627	0.30%	0.048%
85	11.250	1529	1533	1534	rBV4	777	1010	0.49%	0.078%
86	11.469	1567	1569	1572	rBV3	2375	2803	1.35%	0.216%
87	11.634	1590	1596	1602	rBV	33105	67337	32.43%	5.184%
88	12.310	1703	1707	1708	rBV3	2204	2468	1.19%	0.190%
89	12.694	1765	1770	1778	rVB4	19074	35204	16.96%	2.710%
90	12.749	1778	1779	1780	rBV	2379	1161	0.56%	0.089%
91	13.328	1859	1874	1887	rBV6	40045	207611	100.00%	15.984%
92	13.463	1890	1896	1907	rVV4	27653	93958	45.26%	7.234%
93	13.560	1907	1912	1919	rVV3	28606	52095	25.09%	4.011%
94	13.853	1955	1960	1969	rBV3	30468	66598	32.08%	5.128%
95	14.956	2137	2141	2151	rVB6	19065	41973	20.22%	3.232%
96	15.334	2200	2203	2204	rBV3	5013	5367	2.59%	0.413%
97	15.371	2204	2209	2217	rVB	42642	83915	40.42%	6.461%
98	15.657	2249	2256	2274	rVB5	21954	96020	46.25%	7.393%
99	16.450	2381	2386	2401	rVB4	31885	94084	45.32%	7.244%
100	16.651	2413	2419	2430	rVB3	33734	77874	37.51%	5.996%

Sum of corrected areas: 1298833

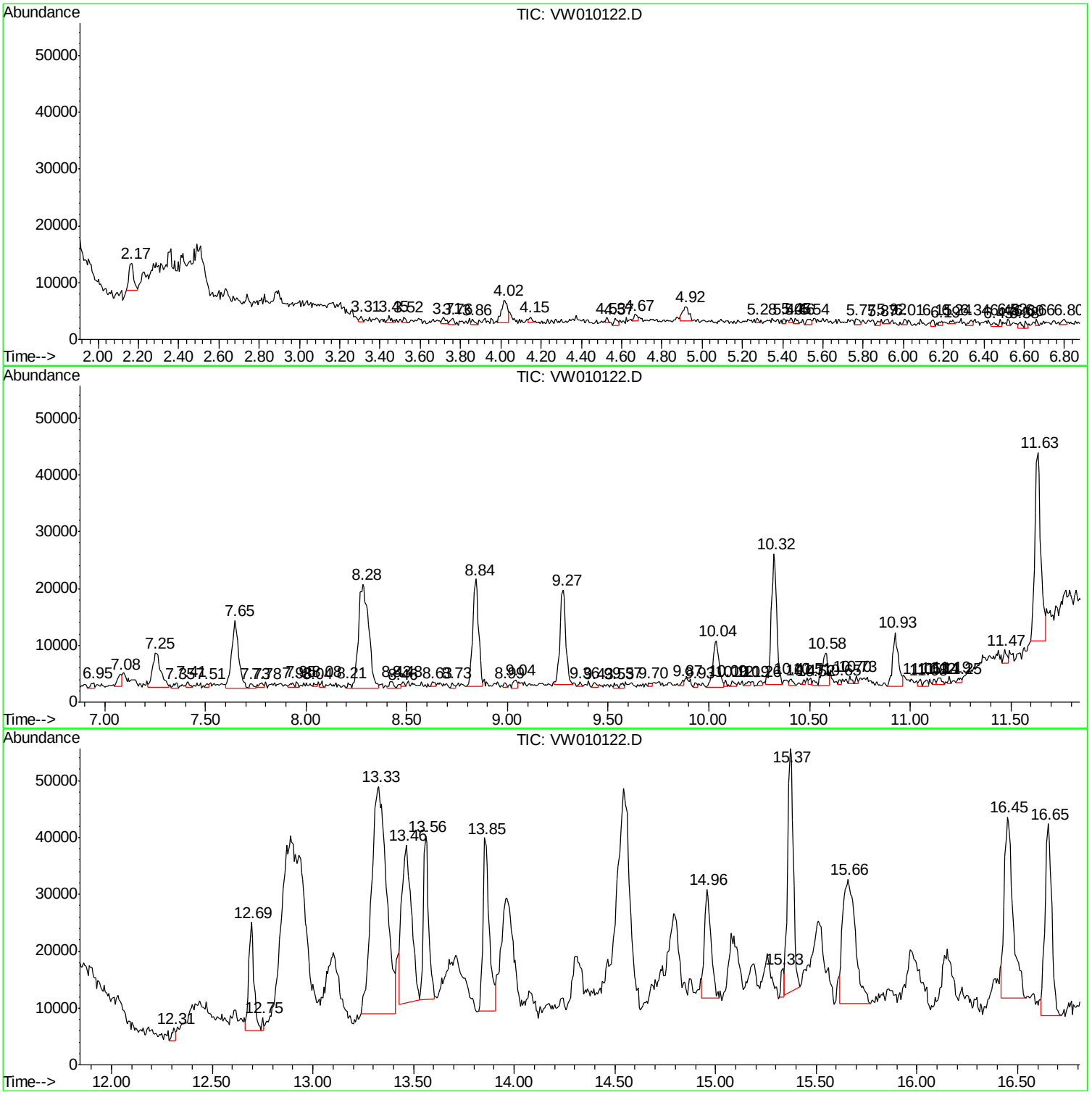
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
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Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

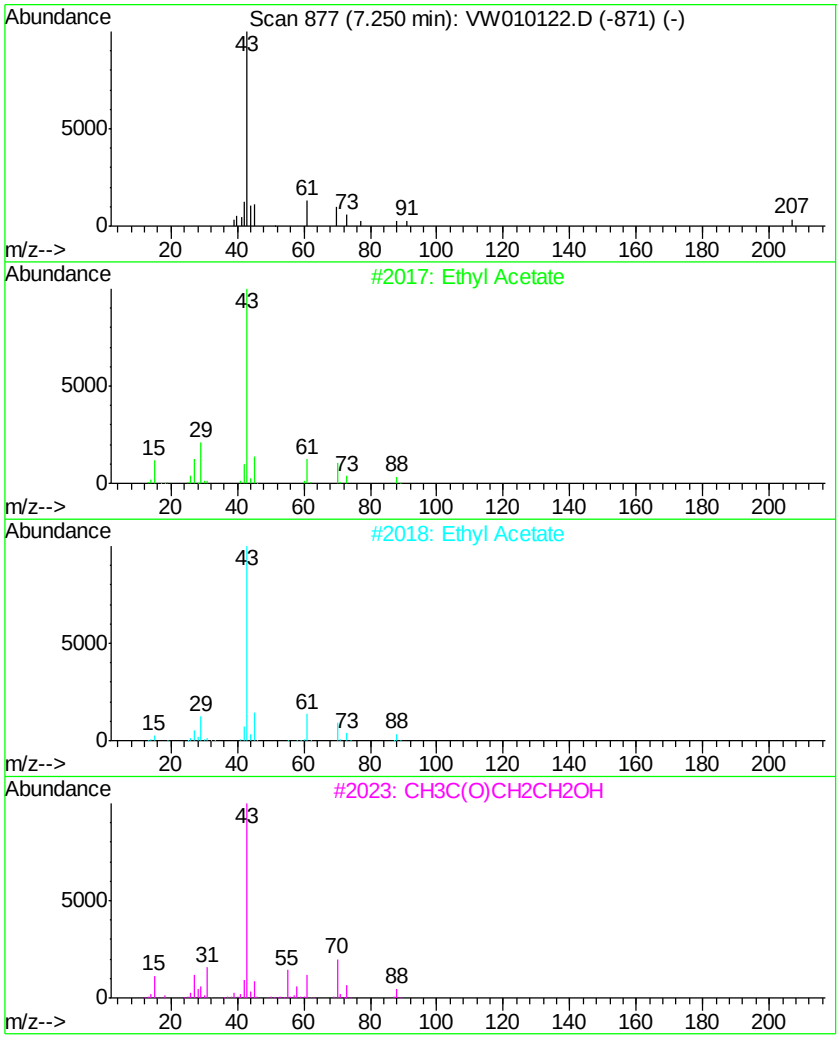
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

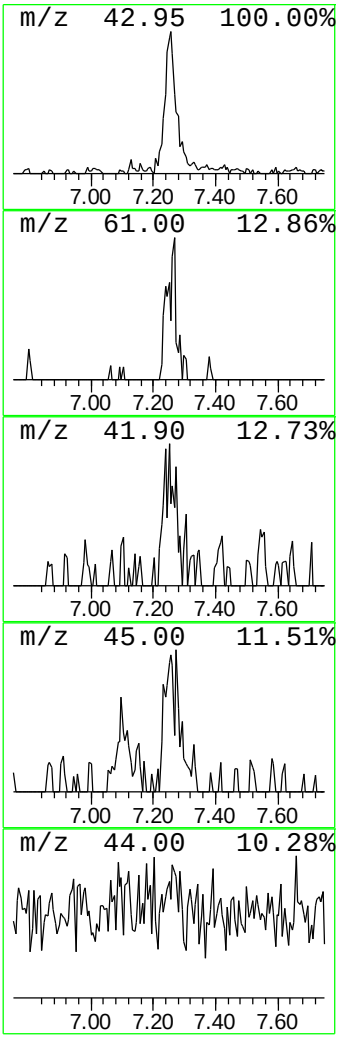
****

Peak Number 3 Ethyl Acetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	11.54 ug/L	17686	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	80
2	Ethyl Acetate	88	C4H8O2	000141-78-6	59
3	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	9
4	Ethyl Acetate	88	C4H8O2	000141-78-6	9
5	Pentanoic acid, 2-methyl-4-oxo-	130	C6H10O3	006641-83-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

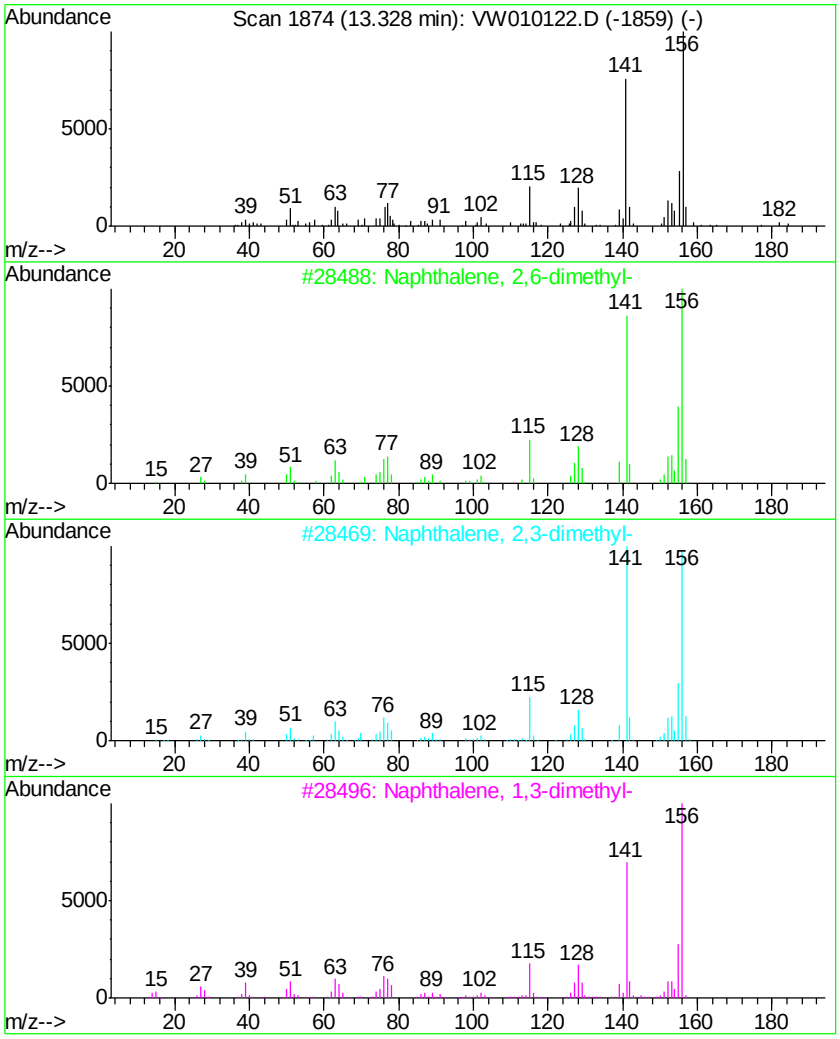
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

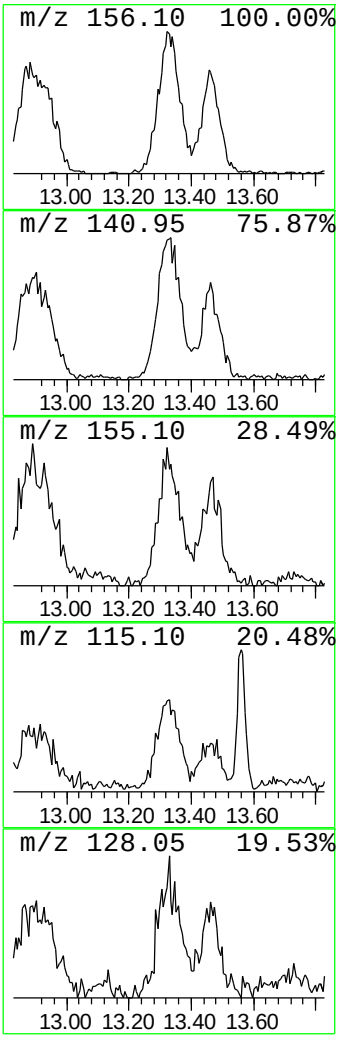
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	99.63 ug/L	207611	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

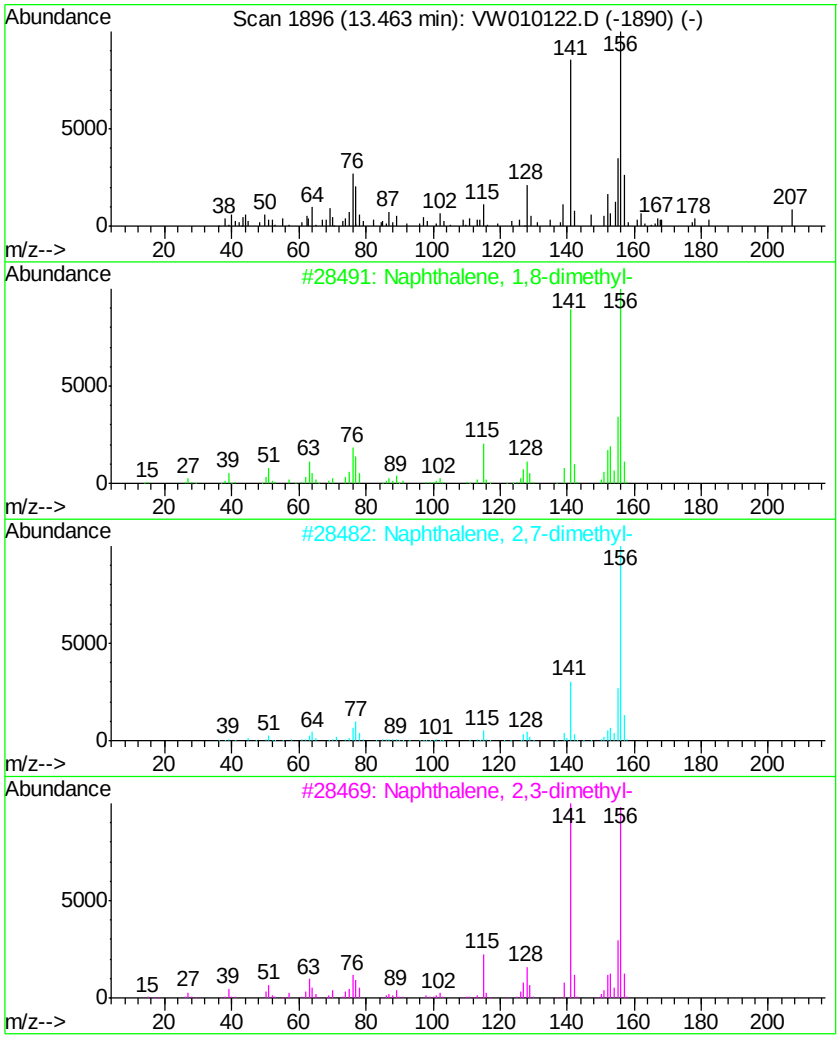
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

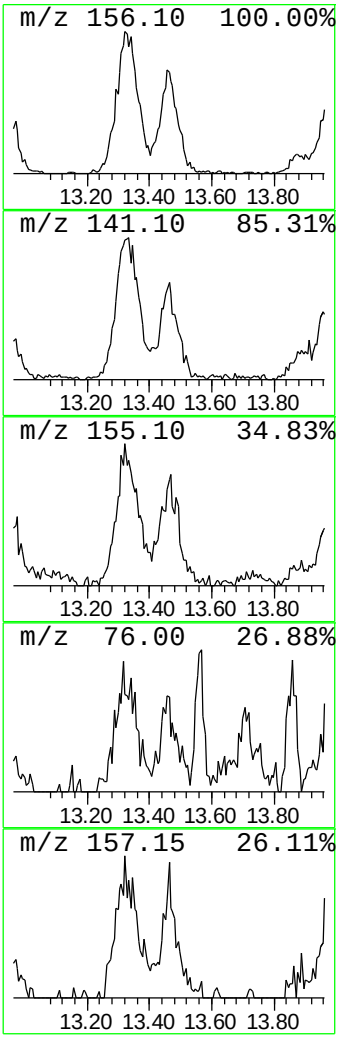
****

Peak Number 7 Naphthalene, 1,8-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	45.09 ug/L	93958	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	87
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	83
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	83
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	81
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	81





Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

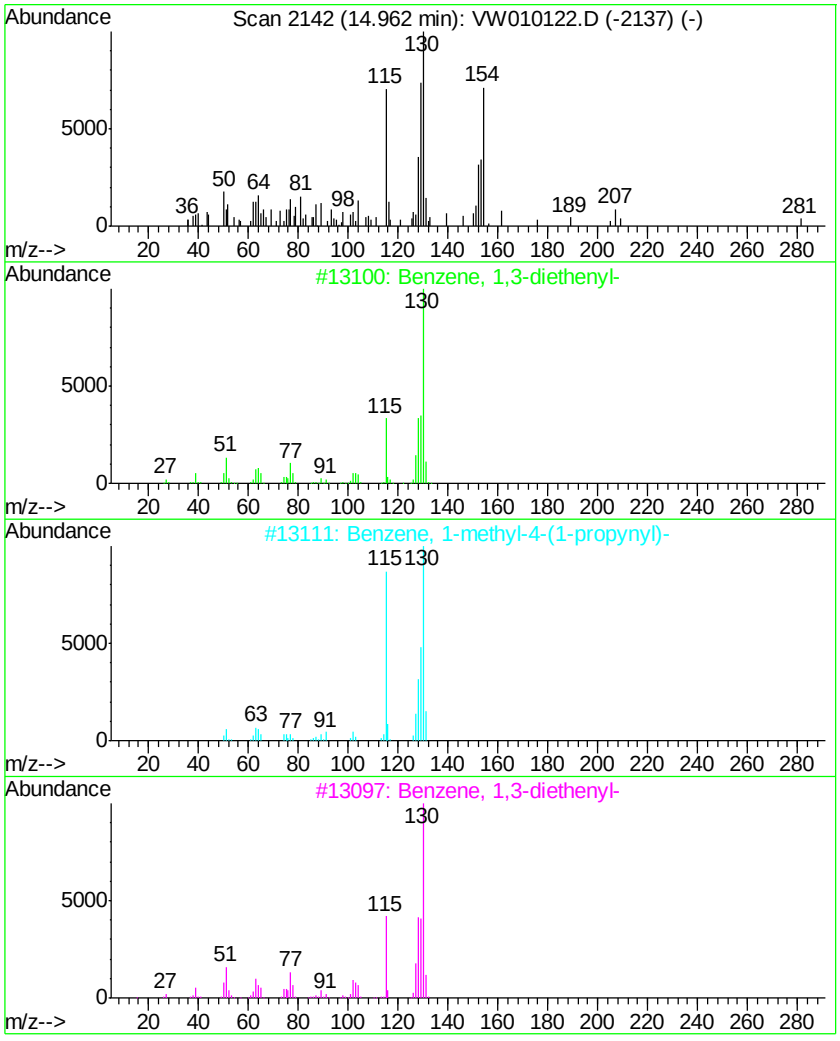
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

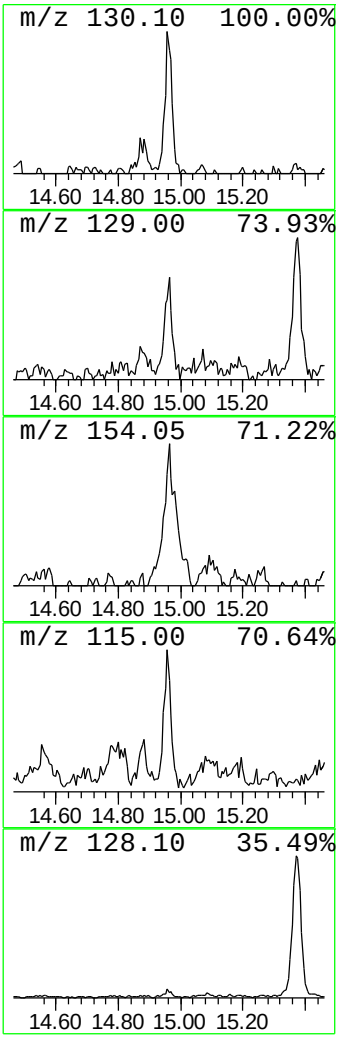
****

Peak Number 8 Benzene, 1,3-diethenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	20.14 ug/L	41973	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	50
2	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	50
3	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	45
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	45
5	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	45





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Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

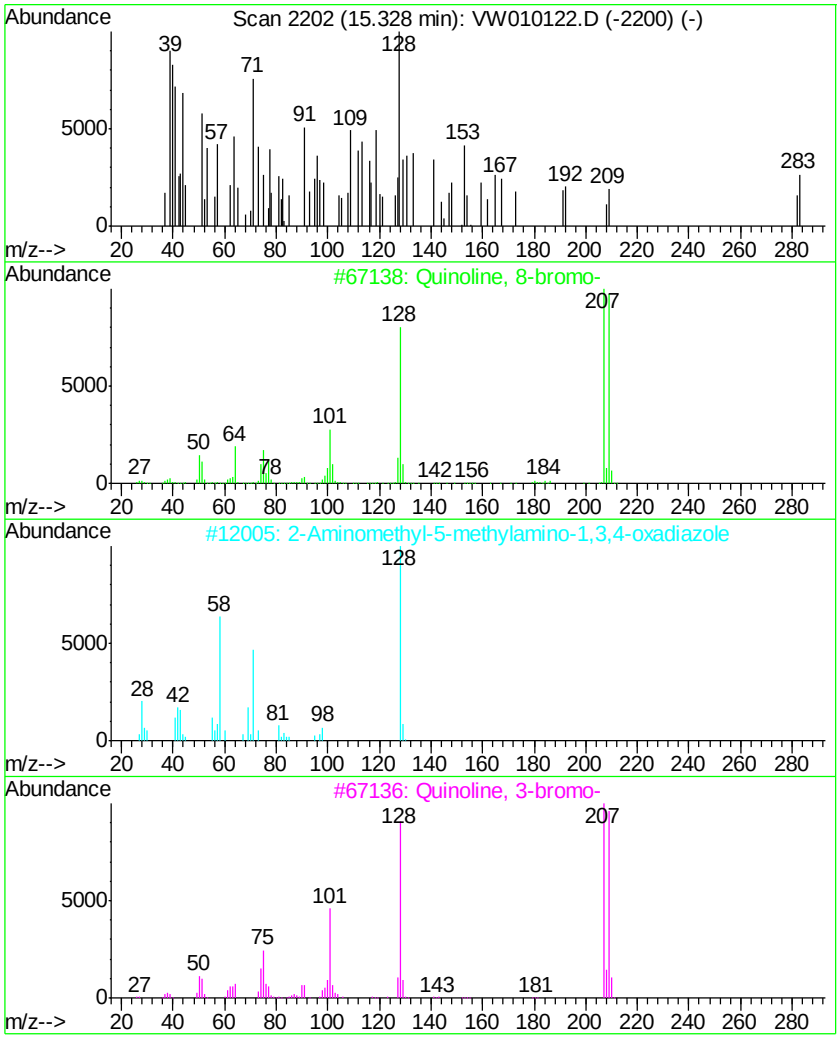
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

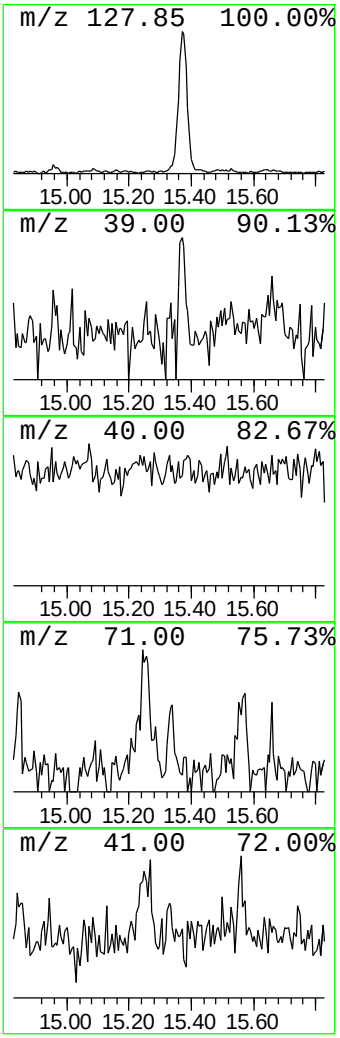
****

Peak Number 9 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.58 ug/L	5367	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-bromo-	207	C9H6BrN	016567-18-3	35
2	2-Aminomethyl-5-methylamino-1,3,...	128	C4H8N4O	002937-92-0	27
3	Quinoline, 3-bromo-	207	C9H6BrN	005332-24-1	27
4	Acetic acid, 8,9-dichloro-2-oxa-...	282	C10H12Cl2O3S	1000193-81-9	18
5	Cyclopentane, 1,2,3-trimethoxy-,...	160	C8H16O3	029887-58-9	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

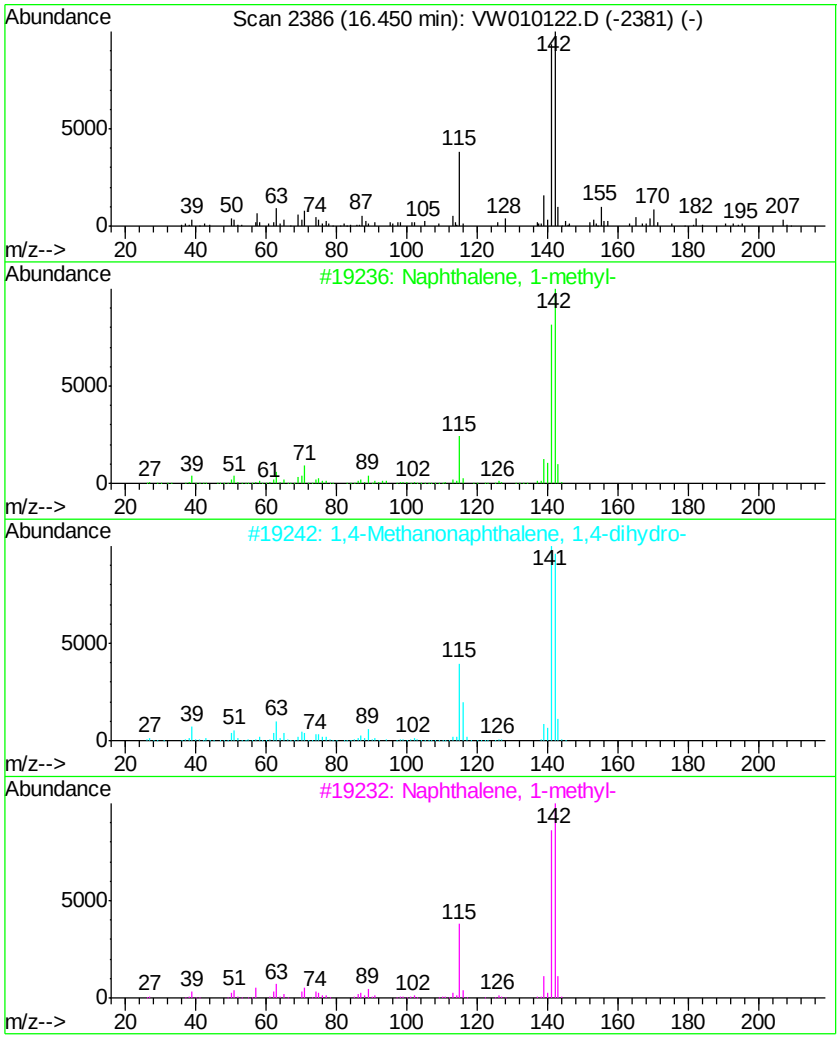
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

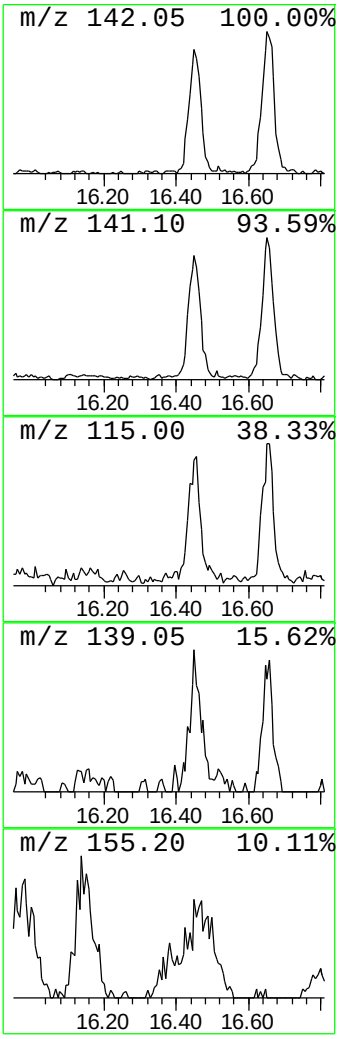
****

Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	45.15 ug/L	94084	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	81
5	Benzocycloheptatriene	142	C11H10	000264-09-5	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

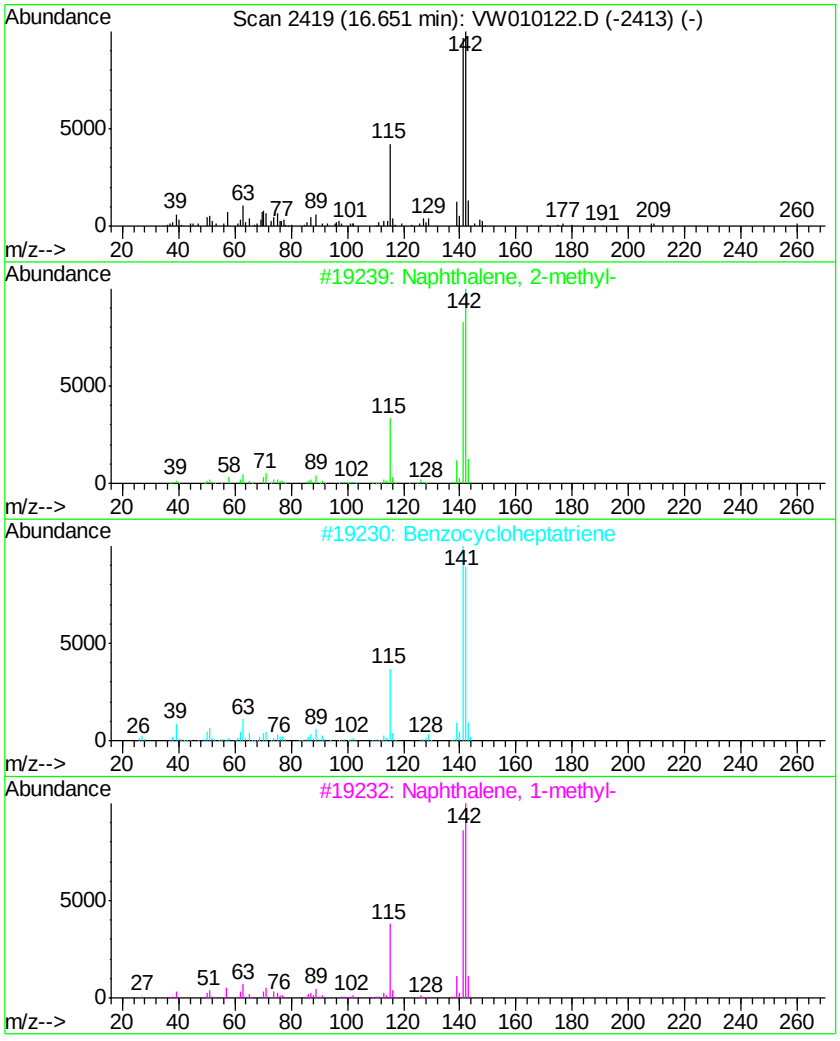
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

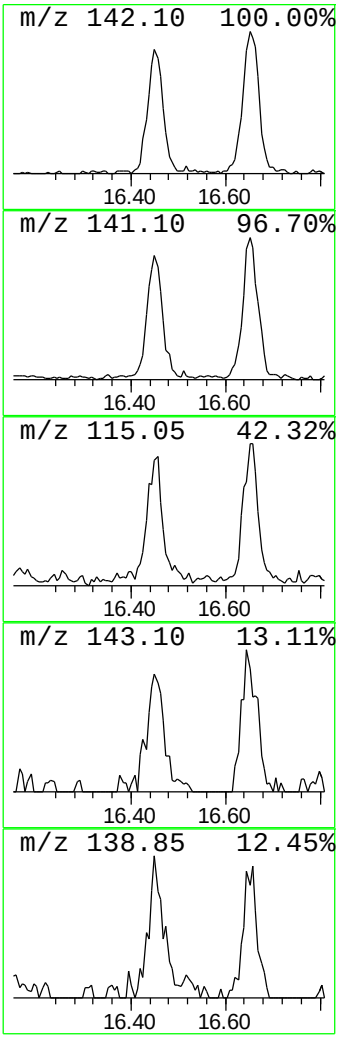
****

Peak Number 13 Benzocycloheptatriene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	37.37 ug/L	77874	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Benzocycloheptatriene	142	C11H10	000264-09-5	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010122.D
Acq On : 24 Apr 2019 22:29
Operator : SY/VA
Sample : K2481-21
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHX4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl Acetate	7.25	11.5	ug/L	17686	1	8.84	38311	25.0
Naphthalene, 2,6-...	13.33	99.6	ug/L	207611	3	13.57	52095	25.0
Naphthalene, 1,8-...	13.46	45.1	ug/L	93958	3	13.57	52095	25.0
Benzene, 1,3-diet...	14.96	20.1	ug/L	41973	3	13.57	52095	25.0
unknown-01	15.33	2.6	ug/L	5367	3	13.57	52095	25.0
Naphthalene, 1-me...	16.45	45.1	ug/L	94084	3	13.57	52095	25.0
Benzocycloheptatr...	16.65	37.4	ug/L	77874	3	13.57	52095	25.0