LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

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\SOM2WLM073019S.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	2.153	36	41	47	rBV4	4296	9753	3.40%	0.412%
2	2.349	67	73	81	rBV	31745	57146	19.90%	2.414%
3	2.885	155	161	173	rVB2	22227	56230	19.58%	2.376%
4	3.489	255	260	263	rVB2	508	856	0.30%	0.036%
5	3.592	273	277	279	rBV5	809	1182	0.41%	0.050%
6	3.684	285	292	299	rVV3	3604	8616	3.00%	0.364%
7	3.787	308	309	312	rVB3	543	355	0.12%	0.015%
8	3.854	316	320	322	rBV4	424	643	0.22%	0.027%
9	4.019	333	347	358	rBV2	23884	76376	26.59%	3.227%
10	4.129	360	365	378	rVV2	4712	15310	5.33%	0.647%
11	4.220	378	380	383	rVB4	641	552	0.19%	0.023%
12	4.251	383	385	388	rBV3	741	700	0.24%	0.030%
13	4.379	400	406	407	rBV4	635	752	0.26%	0.032%
14	4.440	407	416	426	rVV3	2098	7996	2.78%	0.338%
15	4.525	429	430	432	rVB2	660	393	0.14%	0.017%
16	4.543	432	433	435	rBV2	658	470	0.16%	0.020%
17	4.629	443	447	450	rVB3	467	725	0.25%	0.031%
18	4.732	459	464	467	rVB3	444	668	0.23%	0.028%
19	4.763	467	469	471	rVB3	569	471	0.16%	0.020%
20	4.787	471	473	474	rBV2	459	348	0.12%	0.015%
21	4.915	482	494	511	rVV2	22434	82747	28.81%	3.496%
22	5.104	522	525	526	rVB2	513	372	0.13%	0.016%
23	5.122	526	528	531	rBV2	611	797	0.28%	0.034%
24	5.183	535	538	539	rVV2	382	428	0.15%	0.018%
25	5.311	557	559	560	rBV	439	384	0.13%	0.016%
26	5.366	567	568	575	rVB3	324	607	0.21%	0.026%
27	5.415	575	576	579	rBV	580	648	0.23%	0.027%
28	5.598	603	606	609	rBV2	585	586	0.20%	0.025%
29	5.695	619	622	624	rVB2	469	474	0.17%	0.020%
30	5.763	631	633	634	rBV	532	363	0.13%	0.015%
31	5.781	634	636	639	rVB	486	473	0.16%	0.020%
32	5.811	639	641	643	rBV	383	376	0.13%	0.016%
33	5.939	651	662	669	rBV3	5388	15476	5.39%	0.654%
34	6.183	700	702	706	rVB2	346	480	0.17%	0.020%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

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\SOM2WLM073019S.M
Title : VOC Analysis

35	6.415	738	740	744	rBV	417	424	0.15%	0.018%
36	6.610	770	772	774	rVB2	334	348	0.12%	0.015%
37	6.689	779	785	787	rBV4	436	793	0.28%	0.034%
38	6.768	797	798	805	rVB3	373	625	0.22%	0.026%
39	7.079	840	849	874	rBV2	30087	109924	38.28%	4.644%
40	7.244	874	876	877	rVV	662	350	0.12%	0.015%
41	7.262	877	879	882	rVB	624	543	0.19%	0.023%
42	7.415	900	904	906	rBV4	449	736	0.26%	0.031%
43	7.433	906	907	909	rVV	514	446	0.16%	0.019%
44	7.488	913	916	919	rVV2	475	699	0.24%	0.030%
45	7.531	921	923	924	rVB2	688	474	0.17%	0.020%
46	7.549	924	926	931	rBV3	514	593	0.21%	0.025%
47	7.652	931	943	954	rBV2	54528	138942	48.38%	5.870%
48	7.738	954	957	960	rVB3	507	636	0.22%	0.027%
49	7.805	966	968	972	rVB3	343	370	0.13%	0.016%
50	7.945	989	991	997	rVB5	859	1067	0.37%	0.045%
51	8.030	1000	1005	1007	rBV3	591	1039	0.36%	0.044%
52	8.110	1016	1018	1019	rBV	444	409	0.14%	0.017%
53	8.280	1037	1046	1061	rBV2	76525	287185	100.00%	12.133%
54	8.439	1070	1072	1073	rBV2	759	504	0.18%	0.021%
55	8.463	1073	1076	1077	rVV2	652	693	0.24%	0.029%
56	8.482	1077	1079	1083	rVB4	698	717	0.25%	0.030%
57	8.579	1094	1095	1098	rVB2	678	472	0.16%	0.020%
58	8.610	1098	1100	1102	rBV2	377	346	0.12%	0.015%
59	8.628	1102	1103	1106	rVB3	506	361	0.13%	0.015%
60	8.671	1108	1110	1112	rVB2	589	515	0.18%	0.022%
61	8.695	1112	1114	1116	rBV2	403	501	0.17%	0.021%
62	8.841	1129	1138	1151	rVV	100343	204783	71.31%	8.651%
63	9.055	1167	1173	1179	rBV5	1829	5337	1.86%	0.225%
64	9.274	1201	1209	1218	rBV	75039	151248	52.67%	6.390%
65	9.378	1223	1226	1229	rVB3	650	667	0.23%	0.028%
66	9.433	1233	1235	1238	rVB2	530	534	0.19%	0.023%
67	9.652	1269	1271	1272	rBV	974	733	0.26%	0.031%
68	9.792	1292	1294	1296	rVB	402	351	0.12%	0.015%
69	9.835	1296	1301	1304	rBV2	704	921	0.32%	0.039%
70	9.896	1308	1311	1312	rBV2	377	356	0.12%	0.015%
71	10.036	1327	1334	1346	rVB	28677	56192	19.57%	2.374%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

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\SOM2WLM073019S.M
Title : VOC Analysis

72	10.122	1346	1348	1351	rBV3	749	1092	0.38%	0.046%
73	10.195	1358	1360	1362	rBV2	398	360	0.13%	0.015%
74	10.219	1362	1364	1366	rBV3	463	430	0.15%	0.018%
75	10.323	1374	1381	1388	rBV	45312	80087	27.89%	3.383%
76	10.384	1388	1391	1395	rBV5	1241	2254	0.78%	0.095%
77	10.512	1406	1412	1415	rBV4	777	1650	0.57%	0.070%
78	10.579	1415	1423	1432	rBV2	18993	36086	12.57%	1.525%
79	10.707	1438	1444	1452	rBV2	10265	19577	6.82%	0.827%
80	10.768	1452	1454	1455	rVB2	911	606	0.21%	0.026%
81	10.798	1457	1459	1461	rBV3	533	573	0.20%	0.024%
82	10.926	1474	1480	1494	rBV	69522	134230	46.74%	5.671%
83	11.633	1589	1596	1609	rVB	105202	186613	64.98%	7.884%
84	11.847	1626	1631	1633	rBV4	2029	3434	1.20%	0.145%
85	11.944	1645	1647	1650	rBV4	1074	785	0.27%	0.033%
86	12.609	1751	1756	1763	rBV	20240	33356	11.61%	1.409%
87	12.694	1764	1770	1776	rVB	51632	86973	30.28%	3.674%
88	13.310	1858	1871	1885	rBV3	24575	123601	43.04%	5.222%
89	13.560	1906	1912	1920	rBV	69720	114575	39.90%	4.840%
90	13.853	1955	1960	1967	rBV	25594	47663	16.60%	2.014%
91	14.072	1991	1996	2005	rVB2	24548	45108	15.71%	1.906%
92	14.291	2028	2032	2034	rBV5	5869	9861	3.43%	0.417%
93	15.078	2153	2161	2163	rBV4	9034	22806	7.94%	0.963%
94	15.493	2225	2229	2244	rVB	24413	61826	21.53%	2.612%
95	15.627	2244	2251	2258	rBV8	5636	19019	6.62%	0.803%
96	15.803	2276	2280	2283	rBV5	3734	5579	1.94%	0.236%
97	16.133	2328	2334	2342	rVB7	4073	11100	3.87%	0.469%
98	16.364	2369	2372	2375	rBV5	1181	2082	0.72%	0.088%
99	16.620	2412	2414	2416	rVB3	841	528	0.18%	0.022%
100	16.718	2429	2430	2433	rBV3	865	591	0.21%	0.025%

Sum of corrected areas: 2367032

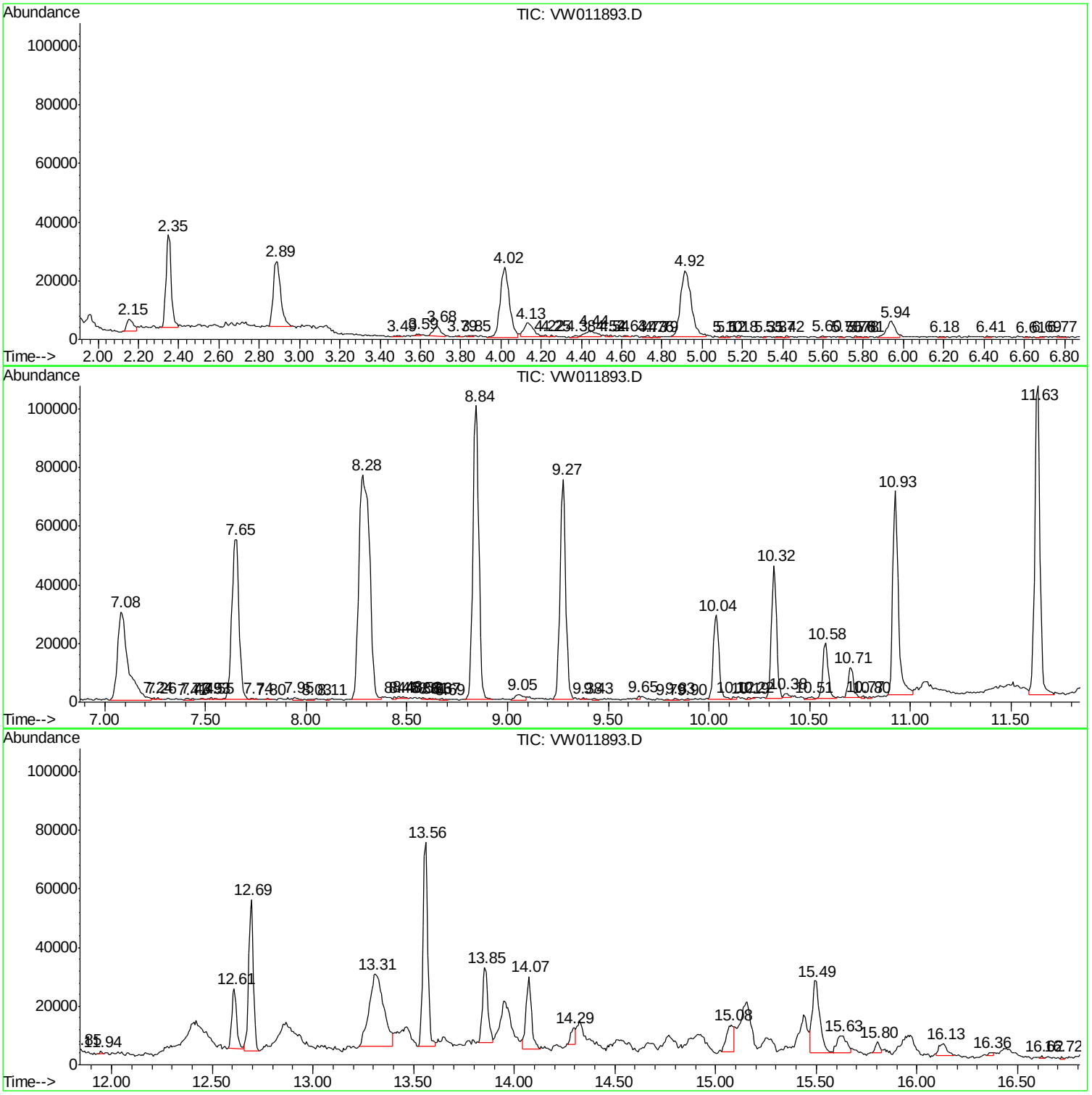
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

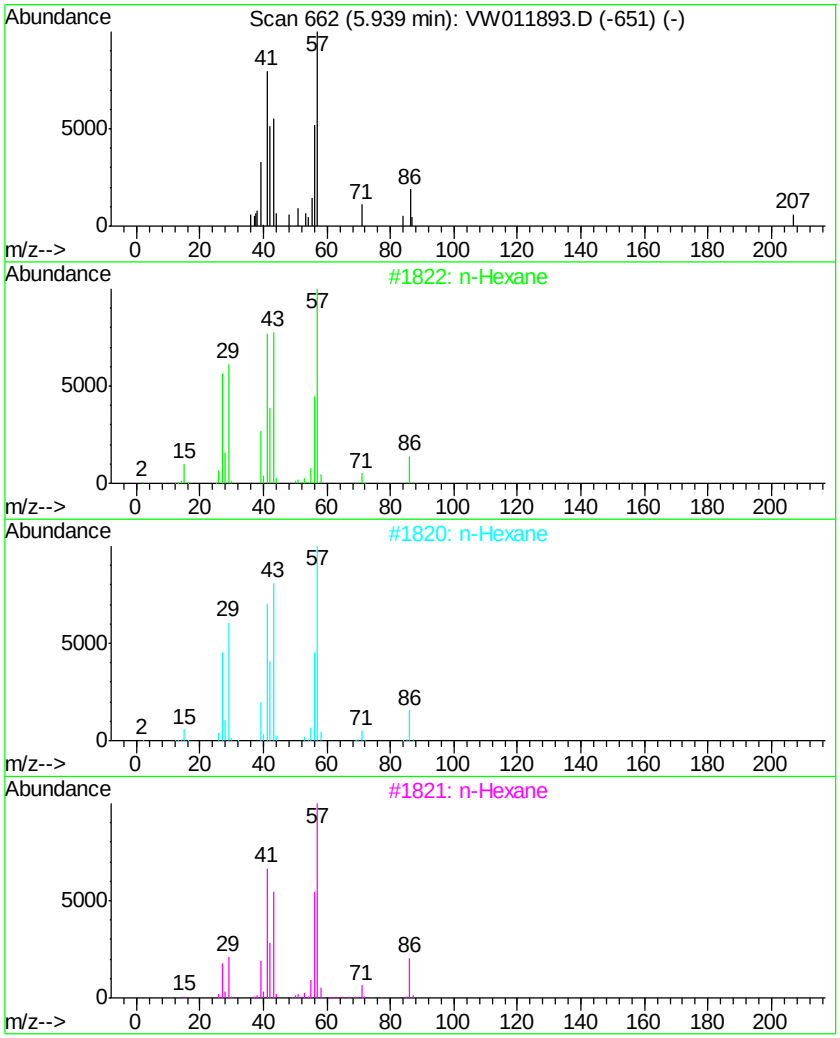
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

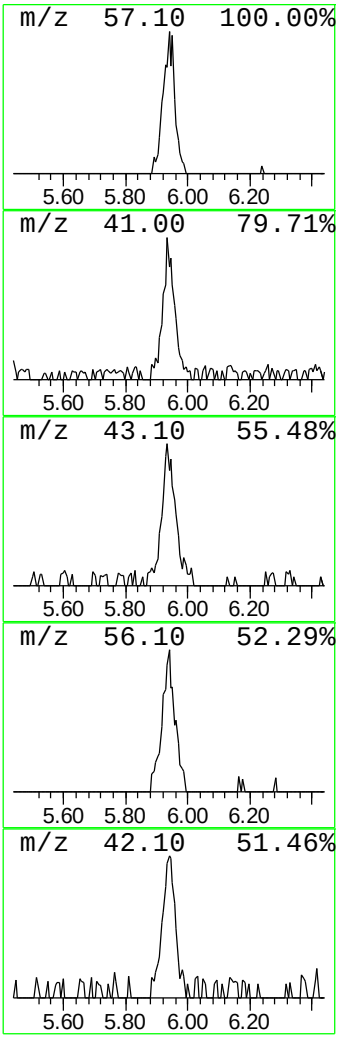
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	1.89 ug/L	15476	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	52
2	n-Hexane	86	C6H14	000110-54-3	47
3	n-Hexane	86	C6H14	000110-54-3	46
4	Butyrolactone	86	C4H6O2	000096-48-0	23
5	1-Hexene	84	C6H12	000592-41-6	17





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

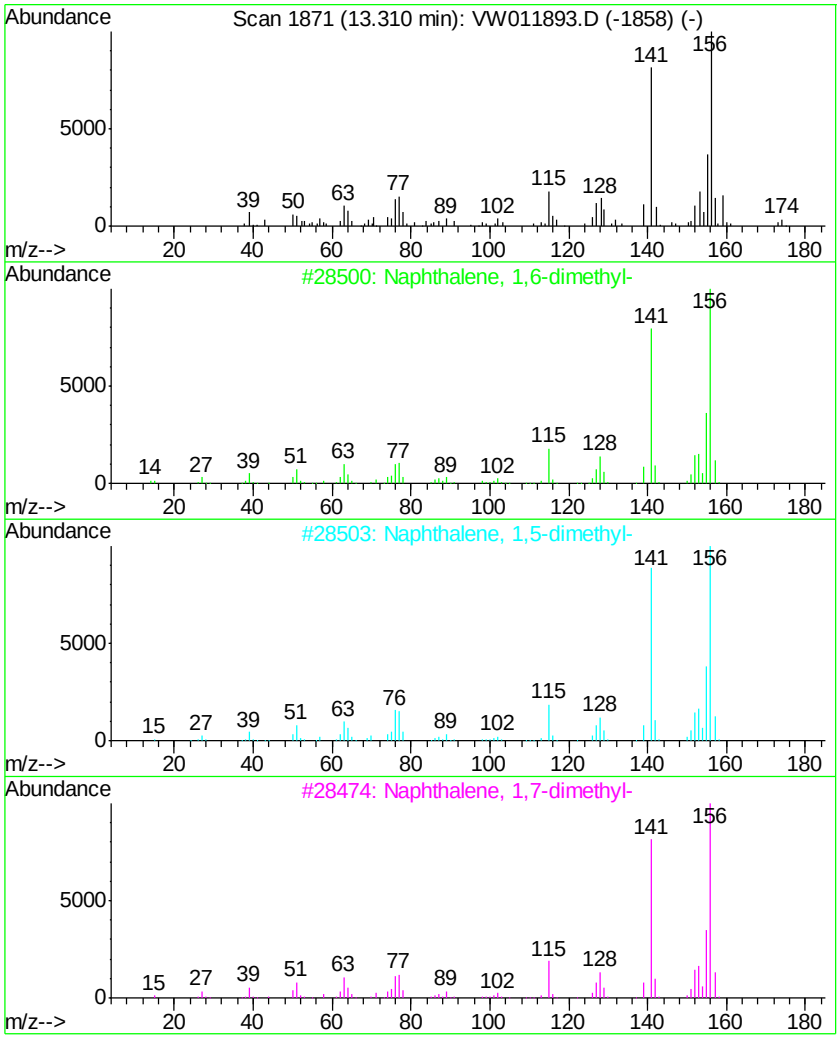
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

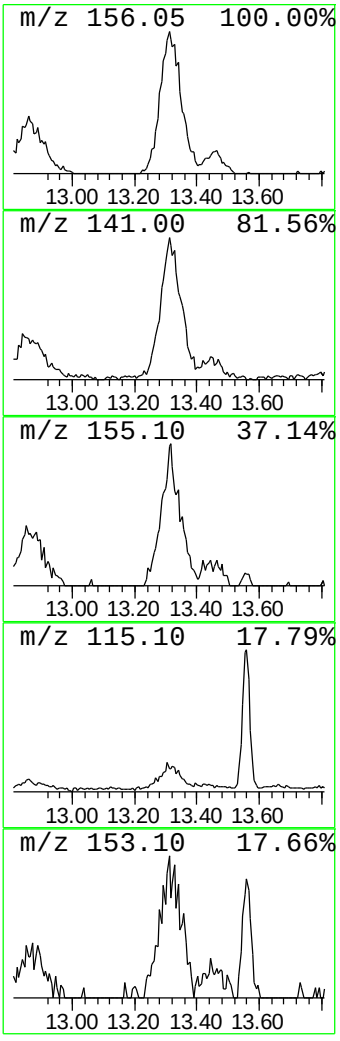
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	26.97 ug/L	123601	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

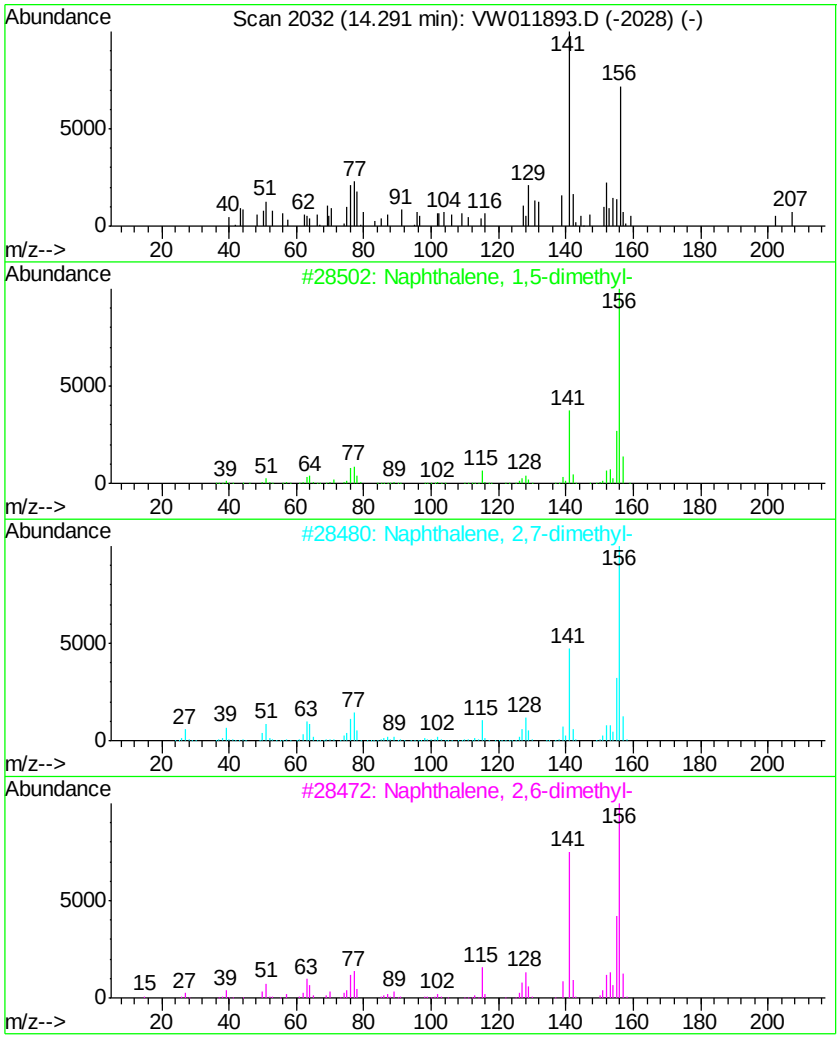
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

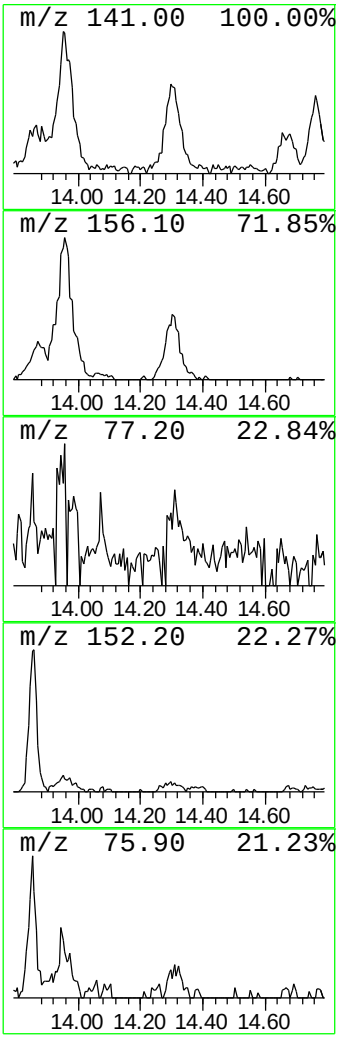
****

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.15 ug/L	9861	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	70
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	58
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	58
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	53
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

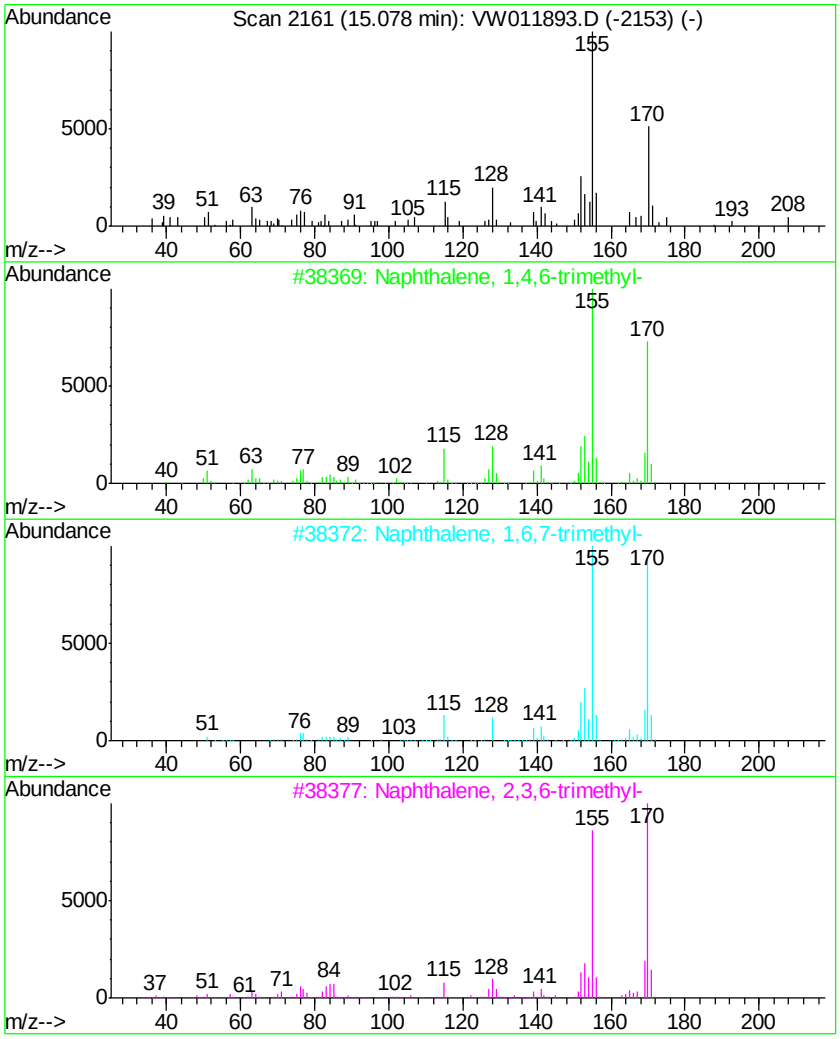
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

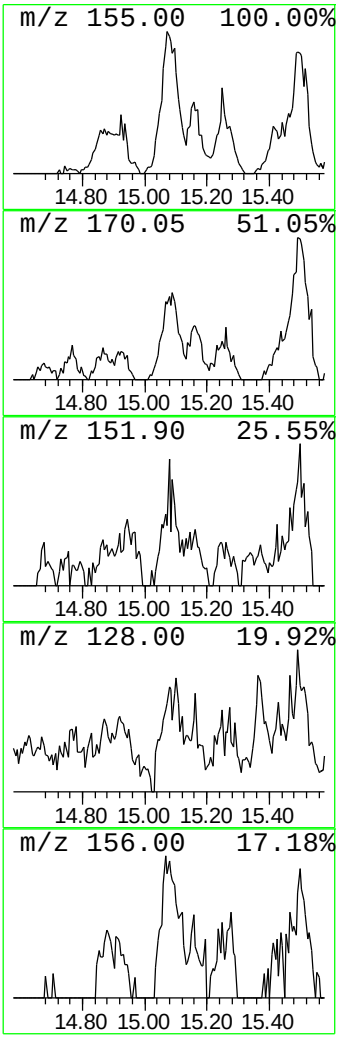
****

Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	4.98 ug/L	22806	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

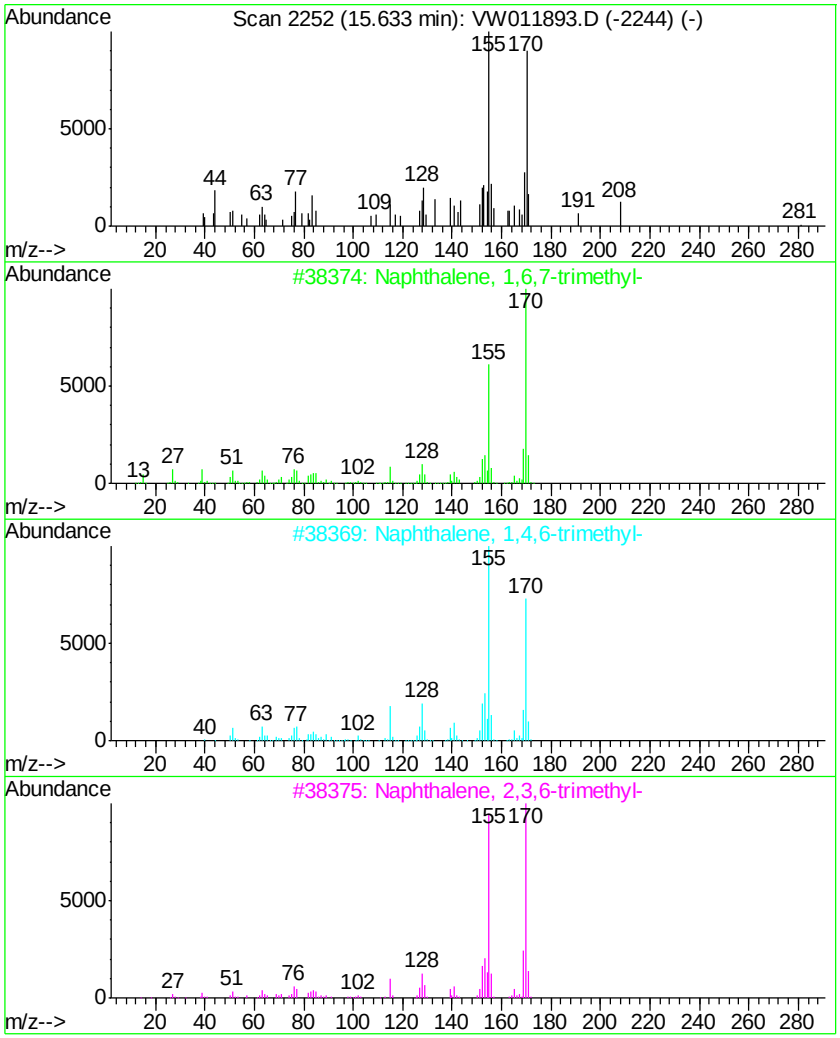
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

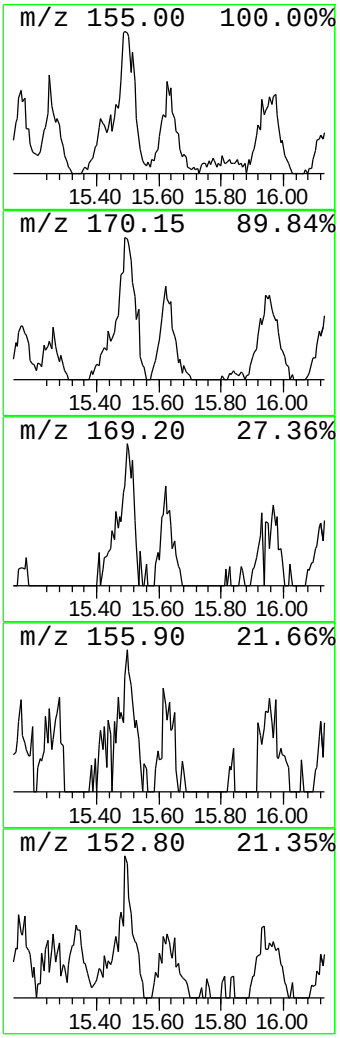
****

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	4.15 ug/L	19019	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

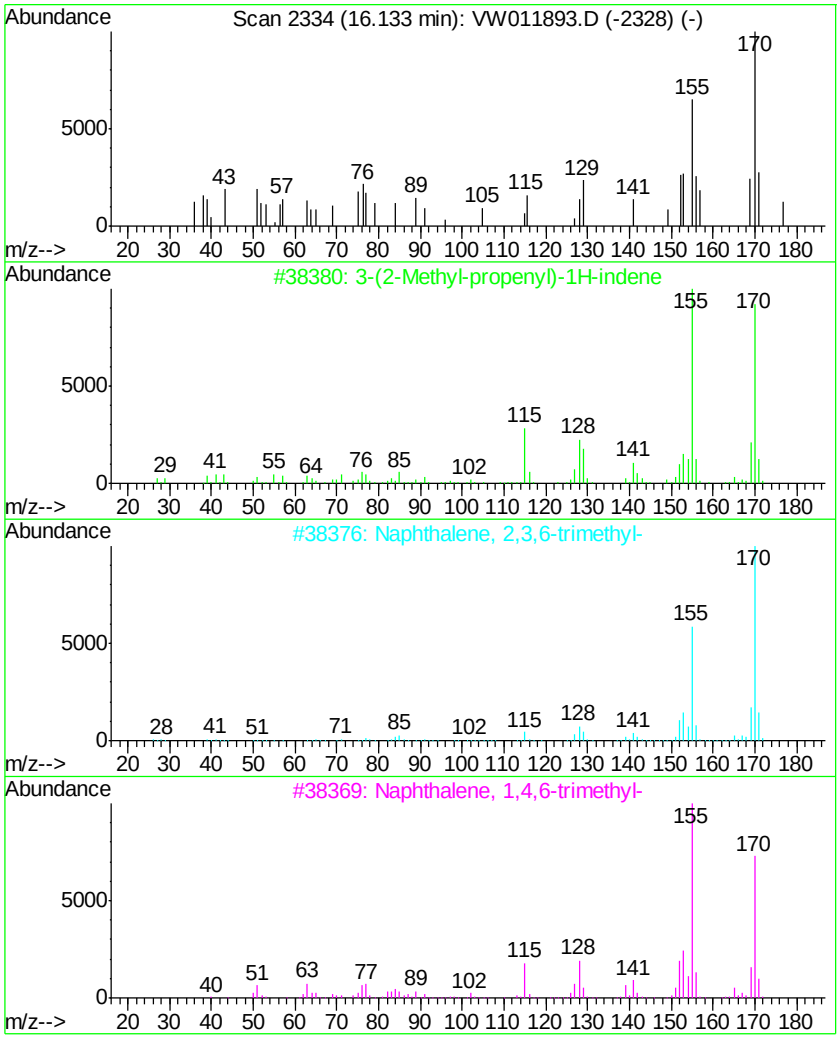
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

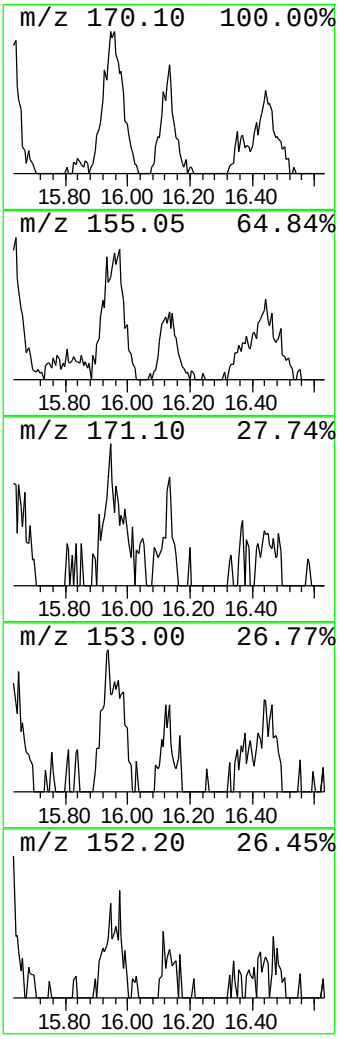
****

Peak Number 11 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.42 ug/L	11100	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	52
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	50
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011893.D
Acq On : 13 Aug 2019 14:13
Operator : SY/VA
Sample : K4215-24
Misc : 5.79G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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
(DEL) Alkane: Str...	5.94	1.9	ug/L	15476	1	8.84	204783	25.0
Naphthalene, 1,6-...	13.31	27.0	ug/L	123601	3	13.56	114575	25.0
Naphthalene, 1,5-...	14.29	2.1	ug/L	9861	3	13.56	114575	25.0
Naphthalene, 1,4,...	15.08	5.0	ug/L	22806	3	13.56	114575	25.0
Naphthalene, 1,6,...	15.63	4.2	ug/L	19019	3	13.56	114575	25.0
3-(2-Methyl-prope...	16.13	2.4	ug/L	11100	3	13.56	114575	25.0